A decorative graphic on the right side of the page. It consists of a jagged white line that starts from the top left and extends towards the bottom right. To the right of this line is a pattern of brown hexagons arranged in a honeycomb-like structure, with some hexagons missing, creating a fragmented appearance.

# **Pilot generator site-based audit Commercial and industrial waste stream in the metropolitan levy areas of New South Wales**

**Main report**

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# Executive Summary

## Background and project objectives

The NSW Government undertook surveys of the commercial and industrial (C&I) waste stream in Sydney in 2003 and 2008. In February 2013, the NSW Government announced the five-year \$465.7 million Waste Less Recycle More initiative, including a \$60-million *Waste and Recycling Infrastructure Fund*.

This fund includes two audits of the Commercial and Industrial (C&I) Waste Stream in the regulated areas of New South Wales.- Sydney Metropolitan Area (SMA), Extended Regulated Area (ERA) and Regional Regulated Area (RRA). The first audit was completed in 2014 and a follow up audit is scheduled for 2017. These two audits aim to:

- inform infrastructure and other investment decisions made under the NSW Government's *Waste Less, Recycle More* program
- inform regional and sub-regional waste and resource recovery planning
- provide baseline data to assess the impact of the infrastructure funding program on resource recovery in the period 2013/14 to 2016/17 and beyond
- inform the waste and resource recovery industry and businesses from the key industry sectors about C&I waste composition, particularly information on recyclable materials
- inform the government, waste industry and businesses on the trends in the composition of the C&I waste stream in SMA for the period from 2003 to 2008 and 2014
- assist NSW EPA in developing business recycling programs to divert more materials away from landfills
- characterise the various streams or transport modes that enter landfills and transfer stations.

The 2014 C&I waste audit included a disposal-based audit (DBA) – visual assessment of C&I loads delivered at selected landfills and transfer stations, an audit of garbage bags disposed at these facilities and a generator site-based audit. Key findings from these three audits are published online in separate [reports](#).

This is the first time a generator site-based audit (GSA) targeting 250 businesses of small, medium and large size from select industry sectors has been undertaken by the NSW Government. A specific objective of this source-based audit is to determine the composition of waste by business size and industry sector and to assess waste management systems in use and potential for improved recycling on site. Whilst the DBA and the garbage bag audits were undertaken in SMA, ERA and RRA, the GSA was limited to SMA and ERA (the metropolitan levy area).

This report details the results obtained from the GSA using visual assessment of the waste and recyclables stored in different types of containers at the collection point at businesses of different size within select Australian and New Zealand Standard Industry Classification (ANZSIC) industry division/sub-divisions.

## An overview of the size of the industry sector in New South Wales

Australian Bureau of Statistics (ABS) data was used to assist in profiling the number of businesses within each of the nominated ANZSIC industry division/sub-divisions by EFTE (Equivalent Full-Time Employees) and location (SMA or ERA).

To obtain this detail and confirm EPA sample selection, ABS publications referenced were:

- ABS catalogue number: 8165.0, Counts of Australian Businesses including entries and exits – “Businesses by Main State by Industry Class by Employment Size Ranges”
- ABS catalogue number 8155.0, Australian Industry – “Australian industry by division”

Based on these publications, the following table summarises the reported number of businesses according to the available ABS data (as per EFTE and location).

**Table 1 – Business profile by division, size and location**

ANZSIC Division	SMA			ERA		
	Employment Range (Size)			Employment Range (Size)		
	5-19	20-199	200+	5-19	20-199	200+
C - Manufacturing	762	277	12	163	40	0
F - Wholesale Trade	760	288	16	108	21	3
G - Retail Trade	1,279	317	12	269	69	3
H - Accommodation and Food Services	1,193	439	26	273	104	3
I - Transport, Postal and Warehousing	198	86	13	52	24	0
J–Information Media and Telecommunications	161	80	11	0	12	0
K–Financial and Insurance Services	610	219	61	81	15	0
L–Rental, Hiring and Real Estate Services	522	90	9	97	20	0
M–Professional, Scientific & Technical Services	2,272	676	50	281	54	3
N–Administrative and Support Services	775	463	49	119	42	3
O–Public Administration and Safety	74	37	6	3	6	0
P–Education and Training	238	147	15	40	19	0
Q–Health Care and Social Assistance	1,013	212	31	199	45	3
R–Arts and Recreation Services	106	59	6	25	18	0

The ABS classifies business size based on Australian Business Number (ABN) information. As an example, the above table indicates that in the ERA, there are three businesses in the Division *H - Accommodation and Food Services* with an EFTE of 200+. However, this in reality meant that there could be several businesses at different locations that may be grouped under one business that has one ABN. The data from ABS also indicated the local government area where these specific businesses were located. This then enabled targeting of recruitment activities to meet EPA objectives.

As an example, the ABS data indicated that there were only three facilities that were categorised as “large” in the ERA. Drilling down into the data revealed that these were located in the Wollongong Region, so recruitment actions focussed on that area rather than other areas within the ERA.

## Sites and locations of site waste assessments

The following tables illustrate the number of waste assessments that were conducted in relation to area (SMA or ERA) and division/sub-division. In total 197 sites participated in this project which was 80% of the target number of 250 sites. Of these 73% were located in the SMA and 27% in ERA.

**Table 2: Total number of site waste assessments – all areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	% of total	No. of sites	% of total	No. of sites	% of total	No. of sites
Total	92	47%	79	40%	26	13%	197

Table 3 illustrates the proportion of the total audited business for each of the required Divisions whilst Table 4 breaks this data into the size of the business again per Division.

**Table 3: Total number of site waste assessments by ANZSIC division – All Areas**

ANZSIC Division	Total Number of Businesses Audited	Percentage Audited (%)
C - Manufacturing		
C11 - Food Product Manufacturing	20	10%
Other Manufacturing	18	9%
F - Wholesale Trade	19	10%
G - Retail Trade		0%
G41 - Food Retailing	10	5%
G42 - Other Store-Based Retailing	24	12%
H - Accommodation and Food Services		0%
H44 - Accommodation	9	5%
H45 - Food and Beverage Services	9	5%
I - Transport, Postal and Warehousing	19	10%
J-O - Office Based Industries	30	15%
P - Education and Training	11	6%
Q - Health Care and Social Assistance	14	7%
R - Arts and Recreation Services	14	7%
<b>Total</b>	<b>197</b>	<b>100%</b>



**Table 4: Total number of site waste assessments by division - all areas**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total No. of sites
	No. of sites	% of total	No. of sites	% of total	No. of sites	% of total	
C - Manufacturing							
C11 - Food Product Manufacturing	7	35%	7	35%	6	30%	20
Other Manufacturing	8	44%	10	56%	0	0%	18
F - Wholesale Trade	12	63%	7	37%		0%	19
G - Retail Trade							
G41 - Food Retailing	8	80%	2	20%	0	0%	10
G42 - Other Store-Based Retailing	9	38%	15	63%	0	0%	24
H - Accommodation and Food Services							
H44 - Accommodation	1	11%	5	56%	3	33%	9
H45 - Food and Beverage Services	5	56%	4	44%	0	0%	9
I - Transport, Postal and Warehousing	14	74%	4	21%	1	5%	19
J-O - Office Based Industries	13	43%	10	33%	7	23%	30
P - Education and Training	5	45%	3	27%	3	27%	11
Q - Health Care and Social Assistance	4	29%	7	50%	3	21%	14
R - Arts and Recreation Services	6	43%	5	36%	3	21%	14
<b>Total</b>	<b>92</b>	<b>47%</b>	<b>79</b>	<b>40%</b>	<b>26</b>	<b>13%</b>	<b>197</b>

**Table 5: Total number of site waste assessments – SMA & ERA**

Region Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total No. of sites
	No. of sites	%	No. of sites	%	No. of sites	%	
ERA	31	57%	19	35%	4	7%	54
SMA	61	43%	60	42%	22	15%	143
<b>Total</b>	<b>92</b>	<b>47%</b>	<b>79</b>	<b>40%</b>	<b>26</b>	<b>13%</b>	<b>197</b>

**Table 6: Total number of site waste assessments by ANZSIC division – SMA & ERA**

ANZSIC Division	Total Number of Businesses Audited in SMA	Percentage Audited in SMA (%)	Total Number of Businesses Audited in ERA	Percentage Audited in ERA (%)
C - Manufacturing				
C11 - Food Product Manufacturing	15	75%	5	25%
Other Manufacturing	15	83%	3	17%
F - Wholesale Trade	11	58%	8	42%
G - Retail Trade				
G41 - Food Retailing	7	70%	3	30%
G42 - Other Store-Based Retailing	20	83%	4	17%
H - Accommodation and Food Services				
H44 - Accommodation	6	67%	3	33%
H45 - Food and Beverage Services	5	56%	4	44%
I - Transport, Postal and Warehousing	15	79%	4	21%
J-O - Office Based Industries	24	80%	6	20%
P - Education and Training	9	82%	2	18%
Q - Health Care and Social Assistance	8	57%	6	43%
R - Arts and Recreation Services	8	57%	6	43%
<b>Total</b>	<b>143</b>	<b>73%</b>	<b>54</b>	<b>27%</b>

## Data interpretation and challenges

The auditor encountered difficulties in recruiting required number of businesses of the selected size and from industry division/regions and complete assessments on site within the timeframe stipulated in the contract.

This led to only 80% of the targeted sample size or 250 businesses audited. This resulted in some industry divisions and regions under-represented offering limited statistical confidence in the data collected.

In this report, data from those industry divisions and regions that are under-represented have been included in the Appendices.. This data should only be used for information as a representation of the types and quantities of wastes and recyclables generated from these divisions and regions.

The challenges encountered by the auditor in undertaking this pilot audit can be broadly attributed to:

1. Recruitment; and
2. Obtaining data from the participating businesses.

In regards to recruitment, the main issues identified by the auditor were:

- Ensuring businesses met acceptance criteria (employment size, industry division and location)
- Small businesses did not perceive the project to be of benefit to them whereas some of the larger business put forward a number of sites in their portfolio. In all instances, if audits were undertaken at multiple sites operated by one organisation, all audits were managed as individual audits with data gathered applied to that specific site.
- Small businesses were in some cases difficult to recruit due to time restraints and multiple approaches made by the EPA – Bin Trim program and other regulatory requirements
- Significant lead time required for many businesses to agree to participate or getting the appropriate person in the larger organisations to sign-off on participation

Issues that impacted on business recruitment process were:

- Organisations would take time in responding as to participating in the program (or not).
- Benchmarking information was not always available and participants often did not know where or how to access the information.
- 
- For the above reasons, participants took a long time to respond to (often repeated) requests for the information. Participants also had to wait for required information to be supplied by other departments and as such were unable to provide what was requested.
- Further, in spite of outlining the benefits to the businesses by participating in this audit, some businesses perceived this audit as a regulatory activity of EPA and hence elevated decision making to senior managers (specifically for Medium and Large) organisations, taking more time.
- Recruiting small offices that “share” waste systems makes it difficult to accurately assess business specific generation.
- Ensuring businesses met acceptance criteria (employment size and location)
- Small businesses did not perceive the project to be of benefit to them whereas some of the larger business put forward a number of sites in their portfolio
- With data gathering, while the business had agreed to participate, there could be a lack of understanding as to collection schedules, volumes collected and in several instances what streams were managed on-site. This then made scheduling the on-site waste assessment when bins are effectively full.
- In some instances, lack of co-operation from waste operators made it difficult to undertake visual assessment of compactors delivered to disposal sites.

Another issue that impacted on business recruitment was the fact that while the EPA sample had a range of business sizes within nominated ANZSIC Divisions, use of ABS data does not necessarily help to identify a business of a particular size from a nominated industry division in a particular region.

As an example, the EPA required 10 large businesses (i.e., >200 EFT employees), within “H Accommodation & Food & Services” Division, of which 75% were to be “Food & Beverage Services”. In undertaking recruitment using ABS data, it was found that while some businesses did have >200 employees (permanent and casuals), when this number was converted to EFT, it meant that the business size was then classified as a medium size business. Alternatively as indicated, it may also have been that the reported employee size was spread over a number of separate locations.

The highly variable nature of waste generation in the C&I sector, combined with the inherent inaccuracies associated with conducting visual waste audits, means that a very large sample size is required to achieve a good level of accuracy at a high level of confidence. The statistical analysis showed that, for at least some Divisions, there were not sufficient number of samples to produce the accuracy and confidence required. Therefore, end users need to consider their requirements before using the data in this report as their sole source of information. In the absence of other data, this study presents a valuable data resource for the waste industry.

Caution must be applied in how the data gathered from these GSA audits is utilised such as extrapolation to provide a profile for Divisions/Sub Divisions. This data is accurate in regards to the types and quantities of wastes and recyclables generated from the businesses that were audited. But the audits indicated that there are differences in terms of types of materials and the quantities as well as how they are managed within and across the Divisions. It is for this reason that caution is advocated – for example some organisations within the Healthcare Division generate large volumes of organic waste, and others very little. In addition, the audits provide an understanding of systems used and management approaches (as well as limitations), for the ANZSIC Divisions that were included in the project. However there is a high degree of variability in regards to waste generation (types and quantities), systems used for the consolidation of waste(s) across Divisions and Areas (i.e., SMA and ERA).

Using the Healthcare Division again as an example, one organisation has introduced multiple streams to maximise landfill diversion. This involves use of compactors, various bin types (e.g., 240 litre Mobile Garbage Bins and three cubic metre size front lift containers), in conjunction with staff awareness training and rigorous monitoring. Another organisation within the same Division recycles paper/cardboard and comingled materials with everything else landfilled. Part of the reason for the latter organisation’s management system is cost of transport as they are located within the ERA.

## Disclaimer for extrapolation of data

All care was taken by the auditor in data gathering from the organisations participating in these GSA audits. The data obtained from the site assessments (e.g., types and quantities of materials in bins and the types of systems employed), was gathered first hand. Other necessary data for this project relied on provision of invoices (which were not always supplied), internal waste management reports that contained generation rates per stream, comments made during interviews and other sources.

However, waste/recycling bins were not always full or contained some materials generated intermittently and therefore again reliance was placed on second hand information to endeavour to be as accurate as possible in developing the waste profile for each organisation.

In addition, the number of individual organisations from each Division as previously indicated showed variability in their waste profiles and management systems as well as in some instances only a small sample was audited.

## Main findings in regards to types of materials in general waste stream per Division/Sub-division and overall

Based on the sample size, Table 7 summarises the total quantity of C&I waste **generated** (both general waste and diverted) by audited businesses in all divisions/sub-divisions for both the SMA and ERA. Table 8 expands this data to provide the detail as per each separate division/sub-division.

In total, 78,947 tonnes of general waste were recorded as being generated for all businesses audited for all areas. As per Table 7, the majority of this waste is generated by medium size audited businesses, followed by large and then small (based on employment size).

As per Table 8, Food Manufacturing generates the highest quantity of waste (45.2 %) from audited businesses for all areas and employment sizes followed by Wholesale Trade (30.9%).

**Table 7: Total tonnes of C&I waste – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Total	1900.7	2.4%	55,662.5	70.5%	21,384.2	27.1%	78,947.4

The Table below details the yearly estimate for audited businesses by Division.

**Table 8: Total tonnes of C&I waste by ANZSIC Division and Subdivision Generated by Audited Businesses– All Areas**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
C - Manufacturing							
C11 - Food Product Manufacturing	350.5	1%	23,128.6	64.8%	12,237.8	34.3%	35,716.8
Other Manufacturing	151.8	8.7%	1597.4	91.3%	NA	NA	1749.2
F - Wholesale Trade	197.5	0.8%	24,251.1	99.2%	NA	NA	24,448.6
G - Retail Trade							
G41 - Food Retailing	229.3	76.4%	70.8	23.6%	NA	NA	300.1
G42 - Other Store-Based Retailing	143.1	11.7%	1077.7	88.3%	NA	NA	1220.8
H - Accommodation and Food Services							
H44 - Accommodation	31.8	0.5%	1971.4	32.9%	3994.3	66.6%	5997.5
H45 - Food and Beverage Services	271	32%	574.7	68%	0	0%	845.7
I - Transport, Postal and Warehousing	383.3	19.1%	895.8	44.5%	732.3	36.4%	2011.4
J-O - Office Based Industries	40.9	2.5%	256.4	16%	1310.1	81.5%	1607.4
P - Education and Training	39.2	10.9%	137.2	38.2%	182.4	50.8%	358.8
Q - Health Care and Social Assistance	9.6	0.3%	981.1	34.1%	1886.5	65.6%	2877.2
R - Arts and Recreation Services	52.8	2.9%	720.3	39.7%	1040.8	57.4%	1813.9
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

NA – Data not available as audits were not undertaken.

**Table 9: Total tonnes C&I waste by stream by business size (all areas)**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard	392.1	5.2%	4159.2	55.8%	2907.8	39%	7459.1
Cardboard/Paper	0	0%	0	0%	35	100%	35
Cardboard/Soft Plastics	78.7	34.6%	148.4	65.4%	0	0%	227.1
Coat hangers	0	0%	331.4	100%	0	0%	331.4
Comingled	91.5	6.4%	763.1	53.4%	573.7	40.2%	1428.4
Fat and Bone	5.6	100%	0	0%	0	0%	5.6
General Waste	1224.4	4.7%	14,114.4	54%	10,782.7	41.3%	26,121.5
Glass Containers	0	0%	23.5	26.5%	65.4	73.5%	88.9
Glass Other	15.1	1.3%	1111.1	98.7%	0	0%	1126.2
Metal	2.8	0.7%	355.6	85.1%	59.7	14.2%	418.1
Organics	0.9	0%	32,253.6	84.7%	5825.4	15.3%	38,079.9
Pallets	0	0%	12.8	100%	0	0%	12.8
Paper	11.1	4.5%	40.6	16.5%	194.5	79%	246.2
Polystyrene	11.8	14.5%	69.2	85.5%	0	0%	81
Quarantine Waste	0	0%	3	100%	0	0%	3
Secure Burial	0	0%	16.2	11.4%	126.5	88.6%	142.7
Secure Paper	4.7	1.3%	13.2	3.6%	344.1	95.1%	361.9
Soft Plastics	61.9	5.2%	730.8	61.6%	393.9	33.2%	1186.6
Timber	0	0%	1516.3	95.3%	75.6	4.7%	1591.9
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

## Identification of Division/Sub-division generating waste and divertible materials

Tables 10, 11 and 12 illustrate the quantities of waste and divertible materials generated as per each individual division/sub-division and by SMA/ERA.

As illustrated in the tables, currently the audited ANZSIC divisions/sub-divisions general waste streams represent 33% by weight with materials currently diverted representing 67% for all areas. A similar percentage relates to the SMA (32% and 68% respectively, but with a lower rate of currently diverted material in the ERA (57%).

The data in the following table is from the audited businesses. It represents the current rates of general waste and diversion specific to these audited businesses. Comparisons of such points as diversion rates with other audit projects should ensure careful analysis of methodology (e.g., Divisions, size of business and locations audited as well as the process for obtaining data including compositional data).

**Table 10: Total tonnes of C&I waste and divertible materials by ANZSIC Division and Subdivision Generated by Audited Businesses – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
C - Manufacturing					
C11 - Food Product Manufacturing	7611.4	21.3%	28,105.4	78.7%	35,716.8
Other Manufacturing	432.7	24.7%	1316.5	75.3%	1749.2
F - Wholesale Trade	7458.8	30.5%	16,989.8	69.5%	24,448.6
G - Retail Trade					
G41 - Food Retailing	231.5	77.2%	68.6	22.8%	300.1
G42 - Other Store-Based Retailing	321.4	26.3%	899.4	73.7%	1220.8
H - Accommodation and Food Services					
H44 - Accommodation	3404.5	56.8%	2593	43.2%	5997.5
H45 - Food and Beverage Services	643.3	76.1%	202.4	23.9%	845.7
I - Transport, Postal and Warehousing	1044.9	51.9%	966.5	48.1%	2011.4
J-O - Office Based Industries	686.4	42.7%	921	57.3%	1607.4
P - Education and Training	271.9	75.8%	86.9	24.2%	358.8
Q - Health Care and Social Assistance	2466.7	85.7%	410.6	14.3%	2877.2
R - Arts and Recreation Services	1548.1	85.3%	265.8	14.7%	1813.9
<b>Total</b>	<b>26,121.5</b>	<b>33.1%</b>	<b>52,825.9</b>	<b>66.9%</b>	<b>78,947.4</b>

Tables 11 and 12 demonstrate the diversity of activity in respect to current management of waste and diverted materials by the ANZSIC divisions/sub-divisions, Area and size(s) of the businesses. There are some similarities, such as Food Product Manufacturing diverting 79% and 78% in the SMA and ERA respectively.

**Table 11: Total tonnes of C&I waste and divertible materials by ANZSIC Division and Subdivision – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	
C - Manufacturing					
C11 - Food Product Manufacturing	6466.7	21.1%	24,128	78.9%	30,594.7
Other Manufacturing	374.1	23%	1255.4	77%	1629.5
F - Wholesale Trade	7314.1	30.1%	16,974.2	69.9%	24,288.3
G - Retail Trade			0		
G41 - Food Retailing	140.4	71.5%	56.1	28.5%	196.5
G42 - Other Store-Based Retailing	245.3	26%	698.4	74%	943.7
H - Accommodation and Food Services			0		
H44 - Accommodation	3351.3	56.9%	2543.5	43.1%	5894.8
H45 - Food and Beverage Services	411.1	79%	109.3	21%	520.4
I - Transport, Postal and Warehousing	1039.3	51.9%	961.6	48.1%	2000.9
J-O - Office Based Industries	561.8	38.7%	888.8	61.3%	1450.6
P - Education and Training	198.4	75.2%	65.5	24.8%	263.9
Q - Health Care and Social Assistance	1045.1	85.8%	173.3	14.2%	1218.4
R - Arts and Recreation Services	1459	86.8%	221	13.2%	1680
<b>Total</b>	<b>22,606.7</b>	<b>32%</b>	<b>48,075</b>	<b>68%</b>	<b>781.7</b>



**Table 12: Total tonnes of C&I waste and divertible materials by ANZSIC Division and Subdivision – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	
C - Manufacturing					
C11 - Food Product Manufacturing	1144.7	22.3%	3977.4	77.7%	5122.1
Other Manufacturing	58.5	48.9%	61.2	51.1%	119.7
F - Wholesale Trade	144.7	90.3%	15.6	9.7%	160.3
G - Retail Trade	91.1	87.9%	12.5	12.1%	103.6
G41 - Food Retailing	76.1	27.5%	201	72.5%	277.1
G42 - Other Store-Based Retailing					
H - Accommodation and Food Services	53.2	51.8%	49.5	48.2%	102.7
H44 - Accommodation	232.2	71.4%	93.1	28.6%	325.3
H45 - Food and Beverage Services	5.6	53.1%	5	46.9%	10.6
I - Transport, Postal and Warehousing	124.6	79.5%	32.2	20.5%	156.8
J-O - Office Based Industries	73.5	77.4%	21.4	22.6%	94.9
P - Education and Training	1421.5	85.7%	237.3	14.3%	1658.8
Q - Health Care and Social Assistance	89.1	66.5%	44.8	33.5%	133.9
R - Arts and Recreation Services	3514.8	42.5%	4750.9	57.5%	8265.7
<b>Total</b>	<b>1144.7</b>	<b>22.3%</b>	<b>3977.4</b>	<b>77.7%</b>	<b>5122.1</b>

**Table 13: Total tonnes of C&I waste and divertible materials by materials – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	1061.8	12.9%	7194	87.1%	8255.7
Cardboard - wet /wax	2005.1	99.4%	11.4	0.6%	2016.6
Electrical– computers and peripherals	-	-	-	-	-
Electrical – other	-	-	-	-	-
Electrical – TVs	-	-	-	-	-
Electrical – whitegoods	-	-	-	-	-
Food organics – packaged	491.8	68.9%	221.6	31.1%	713.5
Food organics – unpackaged	8218.8	17.8%	38,006.1	82.2%	46,224.9
Garbage bags	2200.9	99.6%	7.9	0.4%	2208.8
Garden organics	118.2	100%	0	0%	118.2
Glass – non-packaging	409.2	26.6%	1127.6	73.4%	1536.8
Glass – packaging	554.2	32.1%	1174.9	67.9%	1729.1
Masonry materials – concrete/bricks	-	-	-	-	-
Masonry materials – other	41.5	100%	-	-	41.5
Metal (ferrous) – packaging	9.3	5.8%	152.1	94.2%	161.5
Metal (ferrous)– non-packaging	362.6	61.7%	224.6	38.3%	587.2
Metal (non-ferrous) – packaging	186.3	79.7%	47.5	20.3%	233.7
Metal (non-ferrous)– non-packaging	43.2	55.7%	34.4	44.3%	77.6
Paper – office	830.8	72.3%	318.6	27.7%	1149.4
Paper – packaging	1369.2	88.6%	175.4	11.4%	1544.5
Paper – other	94.8	12.5%	666.3	87.5%	761
Plastic – EPS foam	175.5	68.1%	82.2	31.9%	257.8
Plastic – film packaging	2003.4	68.1%	936.8	31.9%	2940.2
Plastic – other	1958.4	99.9%	1.3	0.1%	1959.6
Plastic – rigid packaging	1540.5	65.6%	807.6	34.4%	2348.1
Rubber	5.4	100%	-	-	5.4
Textile – furniture	2.2	100%	-	-	2.2
Textile – carpet/underlay	0	0%	6.3	100%	6.3
Textile – mattress	1.2	100%	-	-	1.2
Textile – cloths & rags	112.8	100%	-	-	112.8
Wood – untreated pallets	483.6	23.9%	1542.7	76.1%	2026.3
Wood – treated pallets	47.9	54.4%	40.1	45.6%	88
Wood – other untreated	239.2	97.6%	5.9	2.4%	245.1
Wood – other treated/painted	628.6	97.5%	15.9	2.5%	644.6
Other (including fines <10 mm)	855	97.2%	24.6	2.8%	879.6
Other - Batteries	-	-	-	-	-
Other - Gas Bottles	-	-	-	-	-
Other - Nappies	70.7	100%	-	-	70.7
<b>Total</b>	<b>26,121.5</b>	<b>33.1%</b>	<b>52,825.9</b>	<b>66.9%</b>	<b>78,947.4</b>

**Table 14: Total tonnes of C&I waste and divertible materials by materials – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	892.7	13.5%	5700	86.5%	6592.7
Cardboard - wet /wax	1995	99.6%	7.6	0.4%	2002.6
Electrical– computers and peripherals	-	-	-	-	-
Electrical – other	-	-	-	-	-
Electrical – TVs	-	-	-	-	-
Electrical – whitegoods	-	-	-	-	-
Food organics – packaged	486.6	68.7%	221.6	31.3%	708.2
Food organics – unpackaged	6918.3	16.3%	35,632	83.7%	42,550.3
Garbage bags	2200.9	99.6%	7.9	0.4%	2208.8
Garden organics	95.6	100%	-	-	95.6
Glass – non-packaging	123.8	10.2%	1085.7	89.8%	1209.5
Glass – packaging	404.5	27.4%	1069.9	72.6%	1474.3
Masonry materials – concrete/bricks	-	-	-	-	-
Masonry materials – other	15.3	100%	-	-	15.3
Metal (ferrous) – packaging	9	5.6%	152.1	94.4%	161.1
Metal (ferrous)– non-packaging	362.3	62.8%	214.6	37.2%	576.9
Metal (non-ferrous) – packaging	110.6	76.6%	33.8	23.4%	144.5
Metal (non-ferrous)– non-packaging	20.4	56%	16.1	44%	36.5
Paper – office	613.1	66.4%	309.9	33.6%	922.9
Paper – packaging	1245.6	99.1%	11.8	0.9%	1257.4
Paper – other	86.2	13.2%	566.7	86.8%	652.9
Plastic – EPS foam	159.2	66.3%	80.8	33.7%	239.9
Plastic – film packaging	1808.9	75.8%	576.2	24.2%	2385.1
Plastic – other	1949.2	99.9%	1.3	0.1%	1950.4
Plastic – rigid packaging	902.1	54.3%	758.3	45.7%	1660.5
Rubber	5.4	100%	-	-	5.4
Textile – furniture	2.2	100%	-	-	2.2
Textile – carpet/underlay	0	0%	6.3	100%	6.3
Textile – mattress	1.2	100%	-	-	1.2
Textile – cloths & rags	94.1	100%	-	-	94.1
Wood – untreated pallets	413.1	21.2%	1535.8	78.8%	1949
Wood – treated pallets	41.8	51%	40.1	49%	81.9
Wood – other untreated	239.2	97.6%	5.9	2.4%	245.1
Wood – other treated/painted	571.3	97.3%	15.9	2.7%	587.3
Other (including fines <10 mm)	827.8	97.1%	24.6	2.9%	852.4
Other - Batteries	-	-	-	-	-
Other - Gas Bottles	-	-	-	-	-
Other - Nappies	11.7	100%	-	-	11.7
<b>Total</b>	<b>22,606.7</b>	<b>32%</b>	<b>48,075</b>	<b>68%</b>	<b>70,681.7</b>

**Table 15: Total tonnes of C&I waste and divertible materials by materials – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	169.1	10.2%	1494	89.8%	1663.1
Cardboard - wet /wax	10.1	72.5%	3.8	27.5%	14
Electrical– computers and peripherals	-	-	-	-	-
Electrical – other	-	-	-	-	-
Electrical – TVs	-	-	-	-	-
Electrical – whitegoods	-	-	-	-	-
Food organics – packaged	5.3	100%	-	-	5.3
Food organics – unpackaged	1300.5	35.4%	2374.1	64.6%	3674.5
Garbage bags	-	-	-	-	-
Garden organics	22.6	100%	-	-	22.6
Glass – non-packaging	285.4	87.2%	41.9	12.8%	327.3
Glass – packaging	149.7	58.8%	105.1	41.2%	254.8
Masonry materials – concrete/bricks	-	-	-	-	-
Masonry materials – other	26.2	100%	-	-	26.2
Metal (ferrous) – packaging	0.3	100%	-	-	0.3
Metal (ferrous)– non-packaging	0.3	2.9%	10	97.1%	10.3
Metal (non-ferrous) – packaging	75.7	84.7%	13.6	15.3%	89.3
Metal (non-ferrous)– non-packaging	22.7	55.4%	18.3	44.6%	41
Paper – office	217.7	96.1%	8.7	3.9%	226.5
Paper – packaging	123.5	43%	163.6	57%	287.1
Paper – other	8.5	7.9%	99.6	92.1%	108.1
Plastic – EPS foam	16.4	91.7%	1.5	8.3%	17.8
Plastic – film packaging	194.5	35%	360.6	65%	555.1
Plastic – other	9.2	100%	-	-	9.2
Plastic – rigid packaging	638.3	92.8%	49.3	7.2%	687.7
Rubber	-	-	-	-	-
Textile – furniture	-	-	-	-	-
Textile – carpet/underlay	-	-	-	-	-
Textile – mattress	-	-	-	-	-
Textile – cloths & rags	18.7	100%	-	-	18.7
Wood – untreated pallets	70.5	91.1%	6.9	8.9%	77.3
Wood – treated pallets	6.1	100%	-	-	6.1
Wood – other untreated	-	-	-	-	0
Wood – other treated/painted	57.3	100%	-	-	57.3
Other (including fines <10 mm)	27.2	100%	-	-	27.2
Other - Batteries	-	-	-	-	-
Other - Gas Bottles	-	-	-	-	-
Other - Nappies	59	100%	-	-	59
<b>Total</b>	<b>3514.8</b>	<b>42.5%</b>	<b>4750.9</b>	<b>57.5%</b>	<b>8265.7</b>

# 1. Introduction

## 1.1 Project background

In February 2013, the NSW Government announced the five-year \$465.7 million Waste Less Recycle More initiative, including a \$60-million *Waste and Recycling Infrastructure Fund*. This fund includes two audits of the Commercial and Industrial (C&I) Waste Stream in the regulated areas of New South Wales - Sydney Metropolitan Area (SMA), Extended Regulated Area (ERA) and Regional Regulated Area (RRA). The first audit was completed in 2014 and a follow up audit is scheduled for 2017. These two audits aim to:

- inform infrastructure and other investment decisions made under the NSW Government's *Waste Less, Recycle More* program
- inform regional and sub-regional waste and resource recovery planning
- provide baseline data to assess the impact of the infrastructure funding program on resource recovery in the period 2013/14 to 2016/17 and beyond
- inform the waste and resource recovery industry and businesses from the key industry sectors about C&I waste composition, particularly information on recyclable materials
- inform the government, waste industry and businesses on the trends in the composition of the C&I waste stream in SMA for the period from 2003 to 2008 and 2014
- assist NSW EPA in developing business recycling programs to divert more materials away from landfills
- characterise the various streams or transport modes that enter landfills and transfer stations.

The 2014 C&I waste audit included a disposal-based audit (DBA) – visual assessment of C&I loads delivered at selected landfills and transfer stations, an audit of garbage bags disposed at these facilities and a generator site-based audit. Key findings from these three audits are published online in separate [reports](#).

This is the first time a generator site-based audit (GSA) targeting 250 businesses of small, medium and large size from select industry sectors has been undertaken by the NSW Government. A specific objective of this source-based audit is to determine the composition of waste by business size and industry sector and to assess waste management systems in use and potential for improved recycling on site. Whilst the DBA and the garbage bag audits were undertaken in SMA, ERA and RRA, the GSA was limited to SMA and ERA.

This report details the results obtained from the GSA using visual assessment of the waste and recyclables stored in different types of containers at the collection point at businesses of different size within select Australian and New Zealand Standard Industry Classification (ANZSIC) industry division/sub-divisions.

The information included in this report will assist the NSW Government, businesses and the waste and resource recovery industry to understand the composition of waste and recyclables generated on site, contemporary waste management systems in use at present and identify opportunities to improve the quality and quantity of recycling at source. The results from this audit program will be a significant contributor to the evidence base that will inform the outcomes of the NSW Waste and Recycling Infrastructure Funding Program and complement other NSW government initiatives such as the BinTrim, Love Food Hate Waste and Industrial Ecology Programs.

## 1.2 Breakdown of the industry sectors

Australian Bureau of Statistics (ABS) data was used to assist in profiling the number of businesses within each of the nominated ANZSIC industry division/sub-divisions by EFTE and location (SMA or ERA).

To obtain this detail and confirm EPA sample selection, ABS publications referenced were:

- ABS catalogue number: 8165, Counts of Australian Businesses including entries and exits – “Businesses by Main State by Industry Class by Employment Size Ranges”
- ABS catalogue number 8155.0, Australian Industry – “Australian industry by division”

The following table profiles the targeted ANZSIC industry division by employment numbers within New South Wales. This allows for an understanding of the size of each of these divisions. This data is of value for extrapolating the GSA waste audit data to provide a profile per business type and size for New South Wales in total. From this waste generation/diversion per EFT can be established to determine individual businesses opportunities for improvement and measure progress.

**Table 16: Business profile by division and employment numbers**

	Employment at end June ('000)			
	2008–09	2009–10	2010–11	2011–12
Manufacturing	293	290	271	282
Wholesale trade	192	205	220	219
Retail trade	393	404	416	404
Accommodation and food services	280	297	302	325
Transport, postal and warehousing	193	190	193	196
Information Media and Telecommunications	74	77	78	78
Rental, hiring and real estate services	127	124	131	131
Professional, scientific and technical services	321	335	336	353
Administrative and support services	235	257	283	321
Public administration and safety (private)	22	22	27	26
Education and training (private)	98	107	121	120
Health care and social assistance (private)	265	271	311	319
Arts and recreation services	54	54	60	62
<b>Total</b>	<b>3,167</b>	<b>3,247</b>	<b>3,415</b>	<b>3,485</b>

Table 17 illustrates the reported number of businesses according to the available ABS data (as per EFTE and location). It is this data that enables the targeting of recruitment activities to meet the GSA objectives and specific numbers and sizes of businesses per area (i.e., SMA and/or ERA).

**Table 17: Business profile by division, size and location**

ANZSIC Division	SMA			ERA		
	Employment Range (Size)			Employment Range (Size)		
	5-19	20-199	200+	5-19	20-199	200+
C - Manufacturing	762	277	12	163	40	0
F - Wholesale Trade	760	288	16	108	21	3
G - Retail Trade	1,279	317	12	269	69	3
H - Accommodation and Food Services	1,193	439	26	273	104	3
I - Transport, Postal and Warehousing	198	86	13	52	24	0
J–Information Media and Telecommunications	161	80	11	0	12	0
K–Financial and Insurance Services	610	219	61	81	15	0
L–Rental, Hiring and Real Estate Services	522	90	9	97	20	0
M–Professional, Scientific & Technical Services	2,272	676	50	281	54	3
N–Administrative and Support Services	775	463	49	119	42	3
O–Public Administration and Safety	74	37	6	3	6	0
P–Education and Training	238	147	15	40	19	0
Q–Health Care and Social Assistance	1,013	212	31	199	45	3
R–Arts and Recreation Services	106	59	6	25	18	0

Reference: Businesses by Industry Division by Statistical Area Level 2 by Employment Size Ranges, June 2013, Australian Bureau of Statistics, Counts of Australian businesses, including entries and exits, June 2009 to June 2013, Catalogue No. 8165.0, June 2014, Canberra

There are differences between the breakdown of the numbers of organisations (both in size and location), between the ABS data and the required business per Division/Size/Area that the EPA required to be sampled for the GSA audits. However, the sample to be audited was determined by SRU based on their research and this is what the EPA required. Despite this difference between ABS and the EPA profiles, the sample required to be audited is fundamentally valid.

## 2. Methodology

This section summarises the methodology used in this audit. The design of the audit addressing sample sizes, target ANZSIC industry divisions and regions to be audited was undertaken by Sustainable Resource Use Pty Ltd in consultation with the NSW Government panel of waste auditors and the audit was undertaken by Waste Audit and Consultancy Services (WACS) as a sub-contractor to A. Prince Consulting.

### 2.1 Planning

WACS assigned a senior staff member as the Project Manager with extensive experience in conducting a broad range of waste audits to manage this project. The WACS project manager was responsible for the oversight of auditor recruitment and training, the conduct of the audits, data entry/analysis and development of opportunities as well as liaison with EPA. The project manager also liaised with the personnel responsible for management of the disposal site-based audit and the garbage bag sorting to ensure consistency across material categories and industry divisions audited as part of the major audit undertaken in 2014.

Progress reports on aspects of the project as agreed with EPA were developed and submitted on a fortnightly basis. These reports highlighted actions completed and any issues that had the potential to impact on the project.

### 2.2 Specific stages

The generator site-based audit targeting 250 businesses of different size and from several ANZSIC divisions was undertaken in the following three main stages:

1. business recruitment
2. conduct of the waste assessment
3. data analysis and report writing

However, it was important to ensure that there was a consistent approach to all activities to ensure that the data gathered was robust, could be used for benchmarking current practices and enable comparison with the future planned audits.

#### 2.2.1 Staff training

The staff engaged in this audit were trained in the specific major tasks listed below. Since some staff may be involved in more than one aspect of the audit, all staff were trained in all aspects to ensure their competency in undertaking any tasks listed below:

#### Recruitment

- Project overview
- Examples of businesses within each ANZSIC division and geography of SMA and ERA
- Spreadsheet use and information requirements (i.e., what to ask and how to assist in obtaining the information)
- Engaging and determining eligibility for participation
- Waste systems
- Scheduling

#### Auditing

- Project overview
- WHS
- Conducting waste audits
- Data entry
- Identifying opportunities

#### Data Management



- Project overview
- Data input
- Validation and quality assurance methods
- Identifying opportunities

To assist with consistency in data collection, pilot audits were undertaken following the training program, with the selection of the sites spread amongst the different ANZSIC divisions and locations (i.e., SMA and ERA).

The pilot audits involved two auditors visiting the nominated sites. One auditor collected and recorded data with the other validating and reviewing the process.

The objective of the pilot audits were to:

- Ensure all auditors are following the same methodology
- Data is being accessed and recorded
- Unforeseen issues are identified and resolved
- Ensure the audit methodology is effective
- Ascertain whether existing density data is applicable and whether additional data requires collection

### 2.2.2 Business recruitment

ABS data was used as a primary resource and subsequently examined to ascertain the number of businesses and locations within each division (and sub-divisions) that was required to be included in the audit program.

Identification of potentially eligible businesses was based on data sourced from a broad range of associations and organisations such as:

- Australian Bureau of Statistics data/information
- Industry Associations, including:
  - Australian Hotels Association
  - Australian Private Hospitals Association
- Waste management contractors
- Office/Retail tenancy site managers
- Government agencies such as NSW Health and Education
- Previous clients

Waste Audit and Consultancy Services then developed a profile in regards to business location and size to enable them to determine the required sample size, to ensure an accurate composition of waste generation per each industry division (and sub-divisions) can be achieved (refer Table 1).

This profile assisted in targeting and recruiting activities, of businesses in accord with project objectives (refer Section 2.3 for information on sample size).

In conducting large audits such as this for either single or multi-sectors, multiple approaches are required during the recruitment process. Often the business's contact with the Professional Association (as an example) is not the same person who would approve involvement with this type of project. However, use of Associations has been shown to be an effective means of communicating with a broad range of business in terms of type (within the sector), size and location.

These Professional Associations and other organisations were requested to provide details of potential business. Being mindful of confidentiality issues, plain language statements were developed. These statements explained the audit objectives, limitations and provided contact details for the auditor. In addition, a letter outlining the audit objectives of the NSW Government's approach to waste management and benefits to the businesses and waste operators was provided.

Each potentially eligible business was then contacted by telephone to provide more detail and to screen out any that did not meet the participation criteria (e.g., sector, size, location to meet SMA/ERA 80:20 involvement or seasonality issues).

Small businesses that were employers of less than five staff were excluded. This was screened during the recruitment process.

During the recruitment process, a questionnaire was used that guided the recruiter to obtain information on:

- Contact details (including location)
- EFTE (or no. of full and part time staff)
- Operating Hours
- System Collection Days/Times

This information was logged on a spreadsheet to assist with scheduling of days for site visits. Scheduling of the small and medium business required more work to ensure there was efficiency in conducting the audits. The large businesses were less in number and thus easier to recruit.

For some sites, depending on the waste system(s) and collection schedules, auditors had to make several visits to observe waste materials as they “build up” in the containers. This enabled a more accurate profile of the types and quantities of materials being disposed.

As detailed below in the “waste assessment” section, details of the businesses requiring off-site analysis of compactors and sealed containers were provided to the auditor to schedule visual assessment such containers off-site.

### 2.2.3 Preliminary data gathering

Following preliminary agreement with the businesses is reached to participate in this project, a questionnaire was prepared and forwarded requesting some preliminary information (the plain language statement and EPA letter were forwarded at the same time).

- Location
- Number of employees (EFTE) – primarily for confirming eligibility
- Waste systems (e.g., types of materials collected, accessibility, sharing with other businesses)
- Estimated quantities of wastes/recyclables generated per stream
- Collection schedules (i.e., days and frequencies)
- Contractor details
- Seasonality issues
- Operating hours, staff numbers

Businesses were requested to complete and return this questionnaire via email and help schedule of the waste assessment. In addition, this preliminary information supplied was used as a starting point for preparation of the individual site report.

### 2.2.4 Waste assessment process including visual assessment of compactors

A ‘waste assessment’ is a visual observation of the materials that have been deposited into the waste and recycling containers coupled with determination of other related information such as systems, volumes collected per annum and other aspects related to the existing waste management system(s).

It was planned that the waste audit was scheduled at an appropriate time so that the waste/recycling containers were not serviced by the contractor and ideally just before collection. As noted above, in some cases a number of visits were scheduled to the site to develop a profile of the materials in each stream as the containers are filled.

The steps involved in the waste assessment task are as follows:

1. Review of data/information provided by the businesses prior to conducting the waste audit so as to identify gaps and to develop a process for collecting the data/information while on-site
2. Conduct a site review of waste, systems and storage areas (and other areas where waste containers are located). This is conducted by:
  - a. Visually assessing the materials in the waste/recycling containers as to type of material, density (material categories as a minimum would be those listed in Appendix 4), and whether the material is wet or dry as this impacts the density calculations
  - b. When it was safe to do so, observed garbage bags were cut open to ascertain contents as per point (i) above – this information was recorded separately so as to be able to provide data on composition of garbage bags
  - c. Recording any ancillary information as to the manner in which materials were presented, where the materials appear to have been generated and whether the materials appeared to be raw materials or otherwise
  - d. Reviewing effectiveness of correct segregation
3. Ensure the density conversion factors used are accurate for the type of material for the business type.

4. Identify issues (e.g., bin placement, signage), that could impact on the successful implementation of programs to increase diversion of materials from disposal to landfill.
5. If required hold additional discussions with appropriate staff to clarify any issues and to assist in the development of practical recommendations for improving landfill diversion.
6. Record all data/information on the prepared data forms and then inputting this into the spreadsheet.
7. Calculating annualised quantities of wastes/recyclables per material category based on criteria such as operating hours, waste generating timeframes, density conversion data and benchmarking units.

During this waste assessment, any issues that were noted in regards to correct segregation were brought to the attention of the site contact so that they could be remedied. This includes the removal of materials from bins/streams that should not be present (e.g., clinical waste in a general waste bin, or general waste in a recycling bin etc.). WHS processes were also developed and included in the work plan for management of these issues.

Where the business uses compactors or other types of containers that are “sealed”, visual assessment was addressed by conducting a visual observation of such container as the contents are deposited at the disposal site (i.e., landfill or transfer station). This involved liaison with the transporter and disposal site to ensure that permission was obtained and that any site specific WHS issues were managed (which will be incorporated into the work plan).

The process for this was to gain permission to accompany the container with the contractor as well as access to the disposal site so as to observe the emptying of the containers. By accompanying the contractor, the auditor would be in a position to conduct the process more efficiently, manage WHS issues more effectively and ensure the correct container is visually audited.

As a component of the waste audits, auditors looked for and recorded, all observed opportunities for improving waste management based on avoiding waste generation and improving landfill diversion. This aspect of the project also included discussions with relevant business personnel.

To assist in this process a waste assessment form was used and an example of this is contained in Appendix 5.

### **2.2.5 Data/information follow up and individual site report preparation**

Following the waste assessment, information required to (e.g. invoices, waste reports/audits where available), more accurately record waste volumes and composition was requested from the businesses via email and if necessary by follow up telephone calls. This was designed to improve the quality of data collected but with limited success.

All data on waste volume composition was entered into an Excel spreadsheet for analysis. This spreadsheet enabled conversion of individual material data according to density, wet/dry and compaction level. Refer Appendix 6 for a listing of the waste density factors used.

As part of the agreement reached with the businesses to participate, Waste Audit and Consultancy Services prepared a summary report to each business. This report contained:

- A brief summary of the business
- Demographic information
- Overview of systems
- Composition of general waste and recycling on site
- Summary of opportunities for improved recycling

A sample of the summary report is attached in Appendix 3. The business names and address details in the sample report are fictitious.

## 2.2.6 WHS management

A full risk assessment of the procedures necessary for this specific project was undertaken to ensure that all risks were understood and appropriately managed. Discussions were conducted with participating businesses to determine if there were any “site specific” additional WHS requirements. These were then incorporated into the WHS plan. At all times site specific requirements in conjunction with safe working practices were addressed (e.g., inductions and use of Personal Protective Equipment – PPE)).

In the first instance, a project WHS plan was developed by the auditor and submitted to EPA for provisional approval. Then following the recruitment process the WHS plan was finalised to ensure it incorporated any business specific issues and management approaches. Refer Appendix 7 for a copy of the plan.

## 2.3 Division/Sub-divisions analysed

The design of this audit defined the sample size based on a mix of business sizes, ANZSIC division and subdivision and location as to SMA, ERA and regional organisation of council areas.

There was for some divisions a further split between subdivisions with the audit design detailing the percentage breakdown of businesses within this split to be included in the audit. The ANZSIC divisions and subdivision split is detailed in the following table (with the split indicated as a percentage of businesses to be included);

**Table 18: GSA audit allocation of ANZSIC Divisions and Subdivisions as determined by EPA**

ANZSIC division
C–MANUFACTURING
C11–Food Product Manufacturing (50%)
C–Other remaining subdivisions (50%)
F–WHOLESALE TRADE
G–RETAIL TRADE
G41–Food Retailing (25%)
G42–Other Store-Based Retailing (75%)
H–ACCOMMODATION AND FOOD SERVICES
H44–Accommodation (25%)
H45–Food and Beverage Services (75%)
I–O–OFFICE BASED
I–Transport postal and warehousing
J–Information media and telecommunications
K–Financial and insurance services
L–Rental, hiring and real estate services
M–Professional, scientific & technical services
N–Administrative and support services
O–Public administration and safety
P–EDUCATION AND TRAINING
Q–HEALTH CARE AND SOCIAL ASSISTANCE
R–ARTS AND RECREATION SERVICES

While the total target sample size was 250 businesses, there was a further breakdown of sites audited - 80% of the businesses by division and size) to be audited within the SMA and the remaining 20% within the ERA. The following table illustrates the required number of businesses targeted across SMA and ERA.

**Table 19: Allocation of businesses by size and ANZSIC Divisions.**

ANZSIC division	Business size			Totals
	Small	Medium	Large	
C–Manufacturing (50% C11)	15	15	6	35
F–Wholesale Trade (F33–F38)	10	10	5	25
G–Retail Trade (25% G41 and 75% G42)	10	10	5	25
H–Accommodation and Food Services (25% H44 and 75% H45)	16	14	10	40
I–Transport, Postal and Warehousing	15	5	2	22
J–O (office based industries)	50	10	7	67
P–Education and Training	5	3	2	10
Q–Health Care and Social Assistance (Q84–Q87)	8	5	3	16
R–Arts and Recreation Services (R89–R92)	5	2	2	10
<b>Totals</b>	<b>134</b>	<b>74</b>	<b>42</b>	<b>250</b>

Those businesses approached were initially allocated to three business size ranges in terms of Equivalent Full-time Employees (EFTE) size brackets, which are:

- 5–19 (small)
- 20–199 (medium)
- 200+ (large)
- EPA required that non-employing businesses were to be excluded from the audit scope.

### 3. Results – Key findings

This Section provides a summary of the key findings from the GSA. Refer Appendix 2 for detailed data per ANZSIC division (and where applicable sub-division), and by region.

#### 3.1 Number of waste assessments conducted per industry division/sub-division, area and region

The following tables demonstrate the numbers of waste assessments that were conducted in totality as well as by size of the business and location (SMA/ERA and/or Region). The size of the business is also represented as per Small, Medium and Large (based on employment numbers). As illustrated, 197 businesses were assessed with the split being 73% SMA and 27% ERA.

**Table 20: Total number of site waste assessments – all areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
<b>Total</b>	92	47%	79	40%	26	13%	197

**Table 21: Total number of site waste assessments by division – all areas**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	7	35%	7	35%	6	30%	20
Other Manufacturing	8	44%	10	56%	0	0%	18
F - Wholesale Trade	12	63%	7	37%		0%	19
G - Retail Trade							
G41 - Food Retailing	8	80%	2	20%	0	0%	10
G42 - Other Store-Based Retailing	9	38%	15	63%	0	0%	24
H - Accommodation and Food Services							
H44 - Accommodation	1	11%	5	56%	3	33%	9
H45 - Food and Beverage Services	5	56%	4	44%	0	0%	9
I - Transport, Postal and Warehousing	14	74%	4	21%	1	5%	19
J-O - Office Based Industries	13	43%	10	33%	7	23%	30
P - Education and Training	5	45%	3	27%	3	27%	11
Q - Health Care and Social Assistance	4	29%	7	50%	3	21%	14
R - Arts and Recreation Services	6	43%	5	36%	3	21%	14
<b>Total</b>	<b>92</b>	<b>47%</b>	<b>79</b>	<b>40%</b>	<b>26</b>	<b>13%</b>	<b>197</b>

**Table 22: Total number of site waste assessments - SMA & ERA**

Region	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
ERA	31	57%	19	35%	4	7%	54
SMA	61	43%	60	42%	22	15%	143
<b>Total</b>	<b>92</b>	<b>47%</b>	<b>79</b>	<b>40%</b>	<b>26</b>	<b>13%</b>	<b>197</b>

**Table 23: Total number of site waste assessments by division – SMA**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	5	33%	6	40%	4	27%	15
Other Manufacturing	6	40%	9	60%	NA	NA	15
F - Wholesale Trade	5	45%	6	55%	NA	NA	11
G - Retail Trade							
G41 - Food Retailing	7	100%	NA	NA	NA	NA	7
G42 - Other Store-Based Retailing	8	40%	12	60%	NA	NA	20
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	3	50%	3	50%	6
H45 - Food and Beverage Services	2	40%	3	60%	NA	NA	5
I - Transport, Postal and Warehousing	10	67%	4	27%	1	7%	15
J-O - Office Based Industries	9	38%	9	38%	6	25%	24
P - Education and Training	4	44%	2	22%	3	33%	9
Q - Health Care and Social Assistance	3	38%	3	38%	2	25%	8
R - Arts and Recreation Services	2	25%	3	38%	3	38%	8
<b>Total</b>	<b>61</b>	<b>43%</b>	<b>60</b>	<b>42%</b>	<b>22</b>	<b>15%</b>	<b>143</b>

**Table 24: Total number of site waste assessments by division – ERA**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	2	40%	1	20%	2	40%	5
Other Manufacturing	2	67%	1	33%	0	0%	3
F - Wholesale Trade	7	88%	1	13%		0%	8
G - Retail Trade							
G41 - Food Retailing	1	33%	2	67%	0	0%	3
G42 - Other Store-Based Retailing	1	25%	3	75%	0	0%	4
H - Accommodation and Food Services							
H44 - Accommodation	1	33%	2	67%	0	0%	3
H45 - Food and Beverage Services	3	75%	1	25%	0	0%	4
I - Transport, Postal and Warehousing	4	100%	0	0%	0	0%	4
J-O - Office Based Industries	4	67%	1	17%	1	17%	6
P - Education and Training	1	50%	1	50%	0	0%	2
Q - Health Care and Social Assistance	1	17%	4	67%	1	17%	6
R - Arts and Recreation Services	4	67%	2	33%	0	0%	6
<b>Total</b>	<b>31</b>	<b>57%</b>	<b>19</b>	<b>35%</b>	<b>4</b>	<b>7%</b>	<b>54</b>

**Table 25: Total number of site waste assessments – Regional Groupings**

Regional Grouping	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
Southern Sydney Regional Organisation of Councils (SSROC)	42	48%	35	40%	10	11%	87
Western Sydney Regional Organisation of Councils (WSROC)	13	33%	19	49%	7	18%	39
Macarthur Regional Organisation of Councils (MACROC)	1	50%	1	50%	0	0%	2
Northern Sydney Regional Organisation of Councils (NSROC)	6	46%	3	23%	4	31%	13
Shore Regional Organisation of Councils (SHOROC)	0	0%	2	67%	1	33%	3
Southern Councils Group	2	67%	1	33%	0	0%	3
Hunter Council Groups	28	56%	18	36%	4	8%	50
<b>Total</b>	<b>92</b>	<b>47%</b>	<b>79</b>	<b>40%</b>	<b>26</b>	<b>13%</b>	<b>197</b>



**Table 26: Total number of site waste assessments by division – SSROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	4	50%	3	38%	1	13%	8
Other Manufacturing	6	60%	4	40%	NA	NA	10
F - Wholesale Trade	3	60%	2	40%	NA	NA	5
G - Retail Trade							
G41 - Food Retailing	5	100%	NA	NA	NA	NA	5
G42 - Other Store-Based Retailing	6	60%	4	40%	NA	NA	10
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	3	50%	3	50%	6
H45 - Food and Beverage Services	2	40%	3	60%	NA	NA	5
I - Transport, Postal and Warehousing	4	80%	1	20%	NA	NA	5
J-O - Office Based Industries	3	23%	7	54%	3	23%	13
P - Education and Training	4	57%	2	29%	1	14%	7
Q - Health Care and Social Assistance	3	50%	3	50%	NA	NA	6
R - Arts and Recreation Services	2	29%	3	43%	2	29%	7
<b>Total</b>	<b>42</b>	<b>48%</b>	<b>35</b>	<b>40%</b>	<b>10</b>	<b>11%</b>	<b>87</b>

**Table 27: Total number of site waste assessments by division – WSROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	0	0%	3	50%	3	50%	6
Other Manufacturing	NA	NA	4	100%	NA	NA	4
F - Wholesale Trade	2	33%	4	67%	NA	NA	6
G - Retail Trade							
G41 - Food Retailing	1	100%	NA	NA	NA	NA	1
G42 - Other Store-Based Retailing	1	17%	5	83%	0	0%	6
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	NA	NA	NA	NA	NA
H45 - Food and Beverage Services	NA	NA	NA	NA	NA	NA	NA
I - Transport, Postal and Warehousing	6	60%	3	30%	1	10%	10
J-O - Office Based Industries	3	50%	NA	NA	3	50%	6
P - Education and Training	NA	NA	NA	NA	NA	NA	NA
Q - Health Care and Social Assistance	NA	NA	NA	NA	NA	NA	NA
R - Arts and Recreation Services	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>13</b>	<b>33%</b>	<b>19</b>	<b>49%</b>	<b>7</b>	<b>18%</b>	<b>39</b>

**Table 28: Total number of site waste assessments by division – MACROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	NA	NA	NA	NA	NA	NA	NA
Other Manufacturing	NA	NA	NA	NA	NA	NA	NA
F - Wholesale Trade	NA	NA	NA	NA	NA	NA	NA
G - Retail Trade							
G41 - Food Retailing	NA	NA	1	100%	NA	NA	1
G42 - Other Store-Based Retailing	NA	NA	NA	NA	NA	NA	NA
H - Accommodation and Food Services	NA	NA	NA	NA	NA	NA	NA
H44 - Accommodation	NA	NA	NA	NA	NA	NA	NA
H45 - Food and Beverage Services	NA	NA	NA	NA	NA	NA	NA
I - Transport, Postal and Warehousing	NA	NA	NA	NA	NA	NA	NA
J-O - Office Based Industries	1	100%	NA	NA	NA	NA	1
P - Education and Training	NA	NA	NA	NA	NA	NA	NA
Q - Health Care and Social Assistance	NA	NA	NA	NA	NA	NA	NA
R - Arts and Recreation Services	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>1</b>	<b>50%</b>	<b>1</b>	<b>50%</b>	<b>NA</b>	<b>NA</b>	<b>2</b>

**Table 29: Total number of site waste assessments by division – NSROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	NA	NA	NA	NA	NA	NA	NA
Other Manufacturing	1	100%	NA	NA	NA	NA	1
F - Wholesale Trade	NA	NA	NA	NA	NA	NA	NA
G - Retail Trade							
G41 - Food Retailing	1	100%	NA	NA	NA	NA	1
G42 - Other Store-Based Retailing	2	67%	1	33%	NA	NA	3
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	NA	NA	NA	NA	NA
H45 - Food and Beverage Services	NA	NA	NA	NA	NA	NA	NA
I - Transport, Postal and Warehousing	NA	NA	NA	NA	NA	NA	NA
J-O - Office Based Industries	2	50%	2	50%	NA	NA	4
P - Education and Training	NA	NA	NA	NA	2	100%	2
Q - Health Care and Social Assistance	NA	NA	NA	NA	2	100%	2
R - Arts and Recreation Services	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>6</b>	<b>46%</b>	<b>3</b>	<b>23%</b>	<b>4</b>	<b>31%</b>	<b>13</b>

**Table 30: Total number of site waste assessments by division – SHOROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	NA	NA	NA	NA	NA	NA	NA
Other Manufacturing	NA	NA	1	100%	NA	NA	1
F - Wholesale Trade	NA	NA	NA	NA	NA	NA	NA
G - Retail Trade							
G41 - Food Retailing	NA	NA	NA	NA	NA	NA	NA
G42 - Other Store-Based Retailing	NA	NA	1	100%	NA	NA	1
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	NA	NA	NA	NA	NA
H45 - Food and Beverage Services	NA	NA	NA	NA	NA	NA	NA
I - Transport, Postal and Warehousing	NA	NA	NA	NA	NA	NA	NA
J-O - Office Based Industries	NA	NA	NA	NA	NA	NA	NA
P - Education and Training	NA	NA	NA	NA	NA	NA	NA
Q - Health Care and Social Assistance	NA	NA	NA	NA	NA	NA	NA
R - Arts and Recreation Services	NA	NA	NA	NA	1	100%	1
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>2</b>	<b>67%</b>	<b>1</b>	<b>33%</b>	<b>3</b>

**Table 31: Total number of site waste assessments by division – Southern Councils Group**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	No. of sites
C - Manufacturing							
C11 - Food Product Manufacturing	NA	NA	NA	NA	NA	NA	NA
Other Manufacturing	NA	NA	NA	NA	NA	NA	NA
F - Wholesale Trade	2	100%	NA	NA	NA	NA	2
G - Retail Trade							
G41 - Food Retailing	NA	NA	NA	NA	NA	NA	NA
G42 - Other Store-Based Retailing	NA	NA	1	100%	NA	NA	1
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	NA	NA	NA	NA	NA
H45 - Food and Beverage Services	NA	NA	NA	NA	NA	NA	NA
I - Transport, Postal and Warehousing	NA	NA	NA	NA	NA	NA	NA
J-O - Office Based Industries	NA	NA	NA	NA	NA	NA	NA
P - Education and Training	NA	NA	NA	NA	NA	NA	NA
Q - Health Care and Social Assistance	NA	NA	NA	NA	NA	NA	NA
R - Arts and Recreation Services	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>2</b>	<b>67%</b>	<b>1</b>	<b>33%</b>	<b>NA</b>	<b>NA</b>	<b>3</b>

**Table 32: Total number of site waste assessments by division – Hunter Councils Inc.**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	No. of sites	%	No. of sites	%	No. of sites	%	
C - Manufacturing							
C11 - Food Product Manufacturing	2	40%	1	20%	2	40%	5
Other Manufacturing	2	67%	1	33%	NA	NA	3
F - Wholesale Trade	5	83%	1	17%	NA	NA	6
G - Retail Trade							
G41 - Food Retailing	1	33%	2	67%	NA	NA	3
G42 - Other Store-Based Retailing	NA	NA	2	100%	NA	NA	2
H - Accommodation and Food Services							
H44 - Accommodation	1	33%	2	67%	NA	NA	3
H45 - Food and Beverage Services	3	75%	1	25%	NA	NA	4
I - Transport, Postal and Warehousing	4	100%	NA	NA	NA	NA	4
J-O - Office Based Industries	4	67%	1	17%	1	17%	6
P - Education and Training	1	50%	1	50%	NA	NA	2
Q - Health Care and Social Assistance	1	17%	4	67%	1	17%	6
R - Arts and Recreation Services	4	67%	2	33%	NA	NA	6
<b>Total</b>	<b>28</b>	<b>56%</b>	<b>18</b>	<b>36%</b>	<b>4</b>	<b>8%</b>	<b>50</b>

### 3.2 Overall composition of C&I waste streams by small/medium/large per Division/Sub-division

In total, 78,947 tonnes of C&I waste was reported as being generated for all **audited businesses** within all areas per annum.

As illustrated in **Table 33**, based on the data gathered from the waste assessments, and for all areas, the Medium sized businesses generated the greater percentage of C&I waste (70.5%) followed by the Large businesses (27.1%) and then Small (2.4%).

As demonstrated in **Table 35**, in SMA, medium sized businesses generated the greater percentage of C&I waste (76.5%), with the large businesses in ERA generating the greater percentage (73.1%).

What the data demonstrates is that no specific area should be targeted for actions to improve landfill diversion. Different ANZSIC divisions/sub-divisions have varied opportunities within each area and also in relation to the size of the business.

- Tables 33 to 42 provide the tonnages of C&I waste by ANZSIC division and sub-division per area and region
- Tables 43 to 49 provide the tonnages of C&I waste by streams per area and region
- Tables 50 and 51 provide the C&I general waste tonnes by area and region
- Tables 52 to 58 provide the tonnages of C&I waste by streams by ANZSIC division per area and region

### 3.2.1 Total Tonnes of C&I Waste by ANZSIC Division and Sub-division per Areas and Regions

**Table 33: Total tonnes of C&I waste – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
<b>Total</b>	1900.7	2.4%	55,662.5	70.5%	21,384.2	27.1%	78,947.4

**Table 34: Total tonnes of C&I waste by ANZSIC Division and Subdivision - All Areas**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
C - Manufacturing							
C11 - Food Product Manufacturing	350.5	1%	23,128.6	64.8%	12,237.8	34.3%	35,716.8
Other Manufacturing	151.8	8.7%	1597.4	91.3%	0	0%	1749.2
F - Wholesale Trade	197.5	0.8%	24,251.1	99.2%	0	0%	24,448.6
G - Retail Trade							
G41 - Food Retailing	229.3	76.4%	70.8	23.6%	0	0%	300.1
G42 - Other Store-Based Retailing	143.1	11.7%	1077.7	88.3%	0	0%	1220.8
H - Accommodation and Food Services							
H44 - Accommodation	31.8	0.5%	1971.4	32.9%	3994.3	66.6%	5997.5
H45 - Food and Beverage Services	271	32%	574.7	68%	0	0%	845.7
I - Transport, Postal and Warehousing	383.3	19.1%	895.8	44.5%	732.3	36.4%	2011.4
J-O - Office Based Industries	40.9	2.5%	256.4	16%	1310.1	81.5%	1607.4
P - Education and Training	39.2	10.9%	137.2	38.2%	182.4	50.8%	358.8
Q - Health Care and Social Assistance	9.6	0.3%	981.1	34.1%	1886.5	65.6%	2877.2
R - Arts and Recreation Services	52.8	2.9%	720.3	39.7%	1040.8	57.4%	1813.9
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

**Table 35: Total tonnes of C&I waste – SMA & ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
ERA	637.5	7.7%	1587.8	19.2%	6040.4	73.1%	8265.7
SMA	1263.2	1.8%	54,074.7	76.5%	15,343.8	21.7%	70,681.7
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

**Table 36: Total tonnes of C&I waste by ANZSIC Division and Subdivision – SMA**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
C - Manufacturing							
C11 - Food Product Manufacturing	308.4	1%	22,981.7	75.1%	7304.7	23.9%	30,594.7
Other Manufacturing	109.4	6.7%	1520.1	93.3%	0	0%	1629.5
F - Wholesale Trade	50.2	0.2%	24,238.1	99.8%	0	0%	24,288.3
G - Retail Trade							
G41 - Food Retailing	196.5	100%	0	0%	0	0%	196.5
G42 - Other Store-Based Retailing	122.7	13%	821	87%	0	0%	943.7
H - Accommodation and Food Services							
H44 - Accommodation	0	0%	1900.5	32.2%	3994.3	67.8%	5894.8
H45 - Food and Beverage Services	50.9	9.8%	469.5	90.2%	0	0%	520.4
I - Transport, Postal and Warehousing	372.7	18.6%	895.8	44.8%	732.3	36.6%	2000.9
J-O - Office Based Industries	20.4	1.4%	161.1	11.1%	1269.1	87.5%	1450.6
P - Education and Training	25.1	9.5%	56.4	21.4%	182.4	69.1%	263.9
Q - Health Care and Social Assistance	5.7	0.5%	392.5	32.2%	820.2	67.3%	1218.4
R - Arts and Recreation Services	1.2	0.1%	638	38%	1040.8	62%	1680
<b>Total</b>	<b>1263.2</b>	<b>1.8%</b>	<b>54,074.7</b>	<b>76.5%</b>	<b>15,343.8</b>	<b>21.7%</b>	<b>70,681.7</b>

**Table 37: Total tonnes of C&I waste by ANZSIC Division and Subdivision – ERA**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
C - Manufacturing							
C11 - Food Product Manufacturing	42.1	0.8%	146.9	2.9%	4933.1	96.3%	5122.1
Other Manufacturing	42.4	35.4%	77.3	64.6%	0	0%	119.7
F - Wholesale Trade	147.3	91.9%	13	8.1%	0	0%	160.3
G - Retail Trade							
G41 - Food Retailing	32.8	31.7%	70.8	68.3%	0	0%	103.6
G42 - Other Store-Based Retailing	20.4	7.4%	256.7	92.6%	0	0%	277.1
H - Accommodation and Food Services							
H44 - Accommodation	31.8	31%	70.9	69%	0	0%	102.7
H45 - Food and Beverage Services	220.1	67.7%	105.2	32.3%	0	0%	325.3
I - Transport, Postal and Warehousing	10.6	100%	0	0%	0	0%	10.6
J-O - Office Based Industries	20.5	13.1%	95.3	60.8%	41	26.1%	156.8
P - Education and Training	14.1	14.9%	80.8	85.1%	0	0%	94.9
Q - Health Care and Social Assistance	3.9	0.2%	588.6	35.5%	1066.3	64.3%	1658.8
R - Arts and Recreation Services	51.6	38.5%	82.3	61.5%	0	0%	133.9
<b>Total</b>	<b>637.5</b>	<b>7.7%</b>	<b>1587.8</b>	<b>19.2%</b>	<b>6040.4</b>	<b>73.1%</b>	<b>8265.7</b>

**Table 38: Total tonnes of C&I waste – Regional Groupings**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
SSROC	469.2	1.9%	17,837.3	73.4%	5989	24.7%	24,295.5
WSROC	613.8	1.4%	35,908.9	80.2%	8234.1	18.4%	44,756.9
MACROC	2.5	2.9%	84.5	97.1%	0	0%	87
NSROC	198	15.8%	67.6	5.4%	985.4	78.8%	1251
SHOROC	0	0%	176.5	56.6%	135.2	43.4%	311.7
Southern Councils Group	9.4	7%	125.1	93%	0	0%	134.5
Hunter Council Groups	607.7	7.5%	1462.7	18%	6040.4	74.5%	8110.8
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

The following Tables illustrate the total tonnes of C&I waste generated within each Regional Groups by ANZSIC Divisions. Note that for some Regional Groups the sample size is limited and as such due to the low number of businesses audited and the concern in the validity of the data for the MACROC, SHOROC and Southern Councils Group these were excluded from the analysis below.

**Table 39: Total tonnes of C&I waste by ANZSIC Division and Subdivision – SSROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
C - Manufacturing							
C11 - Food Product Manufacturing	160.4	1.2%	13,167.6	97.4%	191.5	1.4%	13,519.5
Other Manufacturing	109.4	28.1%	279.4	71.9%	NA	NA	388.8
F - Wholesale Trade	9.1	4.8%	181	95.2%	NA	NA	190.1
G - Retail Trade							
G41 - Food Retailing	42	100%	NA	NA	NA	NA	42
G42 - Other Store-Based Retailing	56.2	17.6%	263.8	82.4%	NA	NA	320
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	1900.5	32.2%	3994.3	67.8%	5894.8
H45 - Food and Beverage Services	50.9	9.8%	469.5	90.2%	NA	NA	520.4
I - Transport, Postal and Warehousing	4.4	1.3%	334.6	98.7%	NA	NA	339
J-O - Office Based Industries	4.8	0.5%	154	14.8%	880.5	84.7%	1039.3
P - Education and Training	25.1	25.4%	56.4	57.2%	17.2	17.4%	98.7
Q - Health Care and Social Assistance	5.7	1.4%	392.5	98.6%	NA	NA	398.2
R - Arts and Recreation Services	1.2	0.1%	638	41.3%	905.6	58.6%	1544.8
<b>Total</b>	<b>469.2</b>	<b>1.9%</b>	<b>17,837.3</b>	<b>73.4%</b>	<b>5989</b>	<b>24.7%</b>	<b>24,295.5</b>



**Table 40: Total tonnes of C&I waste by ANZSIC Division and Subdivision – WSROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)	Total	
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
C - Manufacturing							
C11 - Food Product Manufacturing	NA	NA	9814.1	58%	7113.2	42%	16,927.3
Other Manufacturing	NA	NA	1224.4	100%	NA	NA	1224.4
F - Wholesale Trade	41.1	0.2%	24,057.1	99.8%	NA	NA	24,098.2
G - Retail Trade							
G41 - Food Retailing	135.7	100%	NA	NA	NA	NA	135.7
G42 - Other Store-Based Retailing	61.7	19.7%	252.1	80.3%	NA	NA	313.8
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	NA	NA	NA	NA	NA
H45 - Food and Beverage Services	NA	NA	NA	NA	NA	NA	NA
I - Transport, Postal and Warehousing	368.3	22.2%	561.3	33.8%	732.3	44.1%	1661.9
J-O - Office Based Industries	7.1	1.8%	NA	NA	388.6	98.2%	395.7
P - Education and Training	NA	NA	NA	NA	NA	NA	NA
Q - Health Care and Social Assistance	NA	NA	NA	NA	NA	NA	NA
R - Arts and Recreation Services	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>613.8</b>	<b>1.4%</b>	<b>35,908.9</b>	<b>80.2%</b>	<b>8234.1</b>	<b>18.4%</b>	<b>44,756.9</b>

**Table 41: Total tonnes of C&I waste by ANZSIC Division and Subdivision – NSROC**

ANZSIC Division	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
C - Manufacturing							
C11 - Food Product Manufacturing	148	100%	NA	NA	NA	NA	148
Other Manufacturing	NA	NA	NA	NA	NA	NA	NA
F - Wholesale Trade	NA	NA	NA	NA	NA	NA	NA
G - Retail Trade							
G41 - Food Retailing	18.8	100%	NA	NA	NA	NA	18.8
G42 - Other Store-Based Retailing	25.2	29.4%	60.5	70.6%	NA	NA	85.7
H - Accommodation and Food Services							
H44 - Accommodation	NA	NA	NA	NA	NA	NA	NA
H45 - Food and Beverage Services	NA	NA	NA	NA	NA	NA	NA
I - Transport, Postal and Warehousing	NA	NA	NA	NA	NA	NA	NA
J-O - Office Based Industries	6	45.9%	7.1	54.1%	NA	NA	13.1
P - Education and Training	NA	NA	NA	NA	165.2	100%	165.2
Q - Health Care and Social Assistance	NA	NA	NA	NA	820.2	100%	820.2
R - Arts and Recreation Services	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>198</b>	<b>15.8%</b>	<b>67.6</b>	<b>5.4%</b>	<b>985.4</b>	<b>78.8%</b>	<b>1251</b>

**Table 42: Total tonnes of C&I waste by ANZSIC Division and Subdivision – Hunter Councils Inc.**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
C - Manufacturing							
C11 - Food Product Manufacturing	42.1	0.8%	146.9	2.9%	4933.1	96.3%	5122.1
Other Manufacturing	42.4	35.4%	77.3	64.6%	NA	NA	119.7
F - Wholesale Trade	137.9	91.4%	13	8.6%	NA	NA	150.9
G - Retail Trade							
G41 - Food Retailing	32.8	31.7%	70.8	68.3%	NA	NA	103.6
G42 - Other Store-Based Retailing	NA	NA	131.6	100%	NA	NA	131.6
H - Accommodation and Food Services							
H44 - Accommodation	31.8	31%	70.9	69%	NA	NA	102.7
H45 - Food and Beverage Services	220.1	67.7%	105.2	32.3%	NA	NA	325.3
I - Transport, Postal and Warehousing	10.6	100%	NA	NA	NA	NA	10.6
J-O - Office Based Industries	20.5	13.1%	95.3	60.8%	41	26.1%	156.8
P - Education and Training	14.1	14.9%	80.8	85.1%	NA	NA	94.9
Q - Health Care and Social Assistance	3.9	0.2%	588.6	35.5%	1066.3	64.3%	1658.8
R - Arts and Recreation Services	51.6	38.5%	82.3	61.5%	NA	NA	133.9
<b>Total</b>	<b>607.7</b>	<b>7.5%</b>	<b>1462.7</b>	<b>18%</b>	<b>6040.4</b>	<b>74.5%</b>	<b>8110.8</b>

### 3.2.2 Total Tonnes of C&I Waste by streams per Areas and Regions

It has been concluded from the analysis of the data gathered during this project, that no specific Area, Divisions, Business (type and/or size), should be targeted for actions – however the information provided in the following Tables provides the type of information that can be used to develop strategies for improved diversion of materials. Note that for some Regional Groups the sample size is limited and as such due to the low number of businesses audited and the concern in the validity of the data for the MACROC, SHOROC and Southern Councils Group these were excluded from the analysis below.

**Table 43: Total tonnes of C&I waste by streams - All Areas**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%small	Tonnes	%med	Tonnes	%large	
Cardboard	392.1	5.3%	4159.2	55.8%	2907.8	39%	7459.1
Cardboard/Paper	0	0%	0	0%	35	100%	35
Cardboard/Soft Plastics	78.7	34.6%	148.4	65.4%	0	0%	227.1
Coat hangers	0	0%	331.4	100%	0	0%	331.4
Comingled	91.5	6.4%	763.1	53.4%	573.7	40.2%	1428.4
Fat and Bone	5.6	100%	0	0%	0	0%	5.6
General Waste	1224.4	4.7%	14,114.4	54%	10,782.7	41.3%	26,121.5
Glass Containers	0	0%	23.5	26.5%	65.4	73.5%	88.9
Glass Other	15.1	1.3%	1111.1	98.7%	0	0%	1126.2
Metal	2.8	0.7%	355.6	85.1%	59.7	14.3%	418.1
Organics	0.9	0%	32,253.6	84.7%	5825.4	15.3%	38,079.9
Pallets	0	0%	12.8	100%	0	0%	12.8
Paper	11.1	4.5%	40.6	16.5%	194.5	79%	246.2
Polystyrene	11.8	14.5%	69.2	85.5%	0	0%	81
Quarantine Waste	0	0%	3	100%	0	0%	3
Secure Burial	0	0%	16.2	11.4%	126.5	88.6%	142.7
Secure Paper	4.7	1.3%	13.2	3.6%	344.1	95.1%	361.9
Soft Plastics	61.9	5.2%	730.8	61.6%	393.9	33.2%	1186.6
Timber	0	0%	1516.3	95.3%	75.6	4.7%	1591.9
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

**Table 44: Total tonnes of C&I waste by streams – SMA**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard	347.4	6.1%	3808.1	66.9%	1535.4	27%	5690.8
Cardboard/Paper	0	0%	0	0%	35	100%	35
Cardboard/Soft Plastics	78.7	34.6%	148.4	65.4%	0	0%	227.1
Coat hangers	0	0%	313.5	100%	0	0%	313.5
Comingled	12.5	1%	697.7	54.4%	572.7	44.6%	1282.9
Fat and Bone	5.6	100%	0	0%	0	0%	5.6
General Waste	718.9	3.2%	13,048.5	57.7%	8839.3	39.1%	22,606.7
Glass Containers	0	0%	16.6	20.3%	65.4	79.7%	82
Glass Other	15.1	1.4%	1071.4	98.6%	0	0%	1086.5
Metal	0	0%	338.4	88.7%	43.1	11.3%	381.5
Organics	0	0%	32,252.5	90.3%	3460.4	9.7%	35,712.9
Pallets	0	0%	12.8	100%	0	0%	12.8
Paper	6.7	2.8%	39.2	16.3%	194.5	80.9%	240.4
Polystyrene	11.8	14.5%	69.2	85.5%	0	0%	81
Quarantine Waste	0	0%	3	100%	0	0%	3
Secure Burial	0	0%	16.2	11.4%	126.5	88.6%	142.7
Secure Paper	4.7	1.3%	13.2	3.6%	344.1	95.1%	361.9
Soft Plastics	61.8	7.4%	716.4	86.3%	51.9	6.2%	830.1
Timber	0	0%	1509.4	95.2%	75.6	4.8%	1585
<b>Total</b>	<b>1263.2</b>	<b>1.8%</b>	<b>54,074.7</b>	<b>76.5%</b>	<b>15,343.8</b>	<b>21.7%</b>	<b>70,681.7</b>

**Table 45: Total tonnes of C&I waste by streams – ERA**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard	44.7	2.5%	351.2	19.9%	1372.4	77.6%	1768.3
Coat hangers	0	0%	17.9	100%	0	0%	17.9
Comingled	79	54.3%	65.4	45%	1	0.7%	145.4
General Waste	505.5	14.4%	1065.9	30.3%	1943.4	55.3%	3514.8
Glass Containers	0	0%	6.9	100%	0	0%	6.9
Glass Other	0	0%	39.7	100%	0	0%	39.7
Metal	2.8	7.6%	17.2	47%	16.6	45.4%	36.6
Organics	0.9	0%	1.1	0%	2365	99.9%	2367
Paper	4.4	75.9%	1.4	24.1%	0	0%	5.8
Soft Plastics	0.1	0%	14.4	4%	342	95.9%	356.5
Timber	0	0%	6.9	100%	0	0%	6.9
<b>Total</b>	<b>637.5</b>	<b>7.7%</b>	<b>1587.8</b>	<b>19.2%</b>	<b>6040.4</b>	<b>73.1%</b>	<b>8265.7</b>

**Table 46: Total tonnes of C&I waste by streams – SSROC**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard	110.6	5.8%	924.9	48.5%	872.2	45.7%	1907.7
Cardboard/Paper	0	0%	0	0%	35	100%	35
Cardboard/Soft Plastics	22	80.5%	5.3	19.5%	0	0%	27.3
Coat hangers	0	0%	40.3	100%	0	0%	40.3
Comingled	5.1	0.4%	696.6	56.5%	531.7	43.1%	1233.4
Fat and Bone	5.6	100%	0	0%	0	0%	5.6
General Waste	306.6	4%	4052	52.4%	3379.8	43.7%	7738.3
Glass Containers	0	0%	0	0%	44.4	100%	44.4
Glass Other	15.1	15.1%	84.9	84.9%	0	0%	100.1
Metal	0	0%	170.9	100%	0	0%	170.9
Organics	0	0%	11,239.6	94.5%	650.7	5.5%	11,890.3
Paper	3.6	2.4%	31.7	21.2%	114	76.4%	149.2
Polystyrene	0	0%	6.7	100%	0	0%	6.7
Quarantine Waste	0	0%	3	100%	0	0%	3
Secure Paper	0	0%	8.2	2.3%	344.1	97.7%	352.3
Soft Plastics	0.6	0.1%	580.8	99.9%	0	0%	581.4
Timber	0	0%	9.4	100%	0	0%	9.4
<b>Total</b>	<b>469.2</b>	<b>1.9%</b>	<b>17,854.5</b>	<b>73.5%</b>	<b>5971.8</b>	<b>24.6%</b>	<b>24,295.5</b>

**Table 47: Total tonnes of C&I waste by streams – WSROC**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard	201	5.9%	2699.1	79.3%	502.2	14.8%	3402.2
Cardboard/Soft Plastics	56.7	28.4%	143.1	71.6%	0	0%	199.8
Coat hangers	0	0%	230	100%	0	0%	230
Comingled	0.6	5.6%	1.1	10.2%	9.1	84.2%	10.8
General Waste	282.4	2.1%	8933.8	64.9%	4553.4	33.1%	13,769.6
Glass Containers	0	0%	16.6	44.2%	21	55.8%	37.6
Glass Other	0	0%	986.5	100%	0	0%	986.5
Metal	0	0%	167.5	79.5%	43.1	20.5%	210.6
Organics	0	0%	21,012.9	88.2%	2809.7	11.8%	23,822.6
Pallets	0	0%	12.8	100%	0	0%	12.8
Paper	0.3	0.6%	4	7.4%	49.7	92%	54
Polystyrene	10.4	14.3%	62.5	85.7%	0	0%	72.9
Secure Burial	0	0%	16.2	11.4%	126.5	88.6%	142.7
Secure Paper	1.2	100%	0	0%	0	0%	1.2
Soft Plastics	61.2	26.9%	122.7	53.8%	44	19.3%	227.9
Timber	0	0%	1500	95.2%	75.6	4.8%	1575.6
<b>Total</b>	<b>613.8</b>	<b>1.4%</b>	<b>35,908.9</b>	<b>80.2%</b>	<b>8234.1</b>	<b>18.4%</b>	<b>44,756.9</b>

**Table 48: Total tonnes of C&I waste by streams – NSROC**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard	35.8	22.5%	23	14.5%	100.4	63.1%	159.1
Comingled	6.8	17.6%	0	0%	31.9	82.4%	38.7
General Waste	149.8	15.1%	30.1	3%	814.4	81.9%	994.3
Paper	0.8	2.3%	3.5	10%	30.8	87.7%	35.1
Polystyrene	1.4	100%	0	0%	0	0%	1.4
Secure Paper	3.4	40.7%	5	59.3%	0	0%	8.4
Soft Plastics	0	0%	6	43.2%	7.9	56.8%	13.9
<b>Total</b>	<b>198</b>	<b>15.8%</b>	<b>67.6</b>	<b>5.4%</b>	<b>985.4</b>	<b>78.8%</b>	<b>1251</b>

**Table 49: Total tonnes of C&I waste by streams – Hunter Councils Inc.**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard	44.7	2.6%	283	16.6%	1372.4	80.7%	1700.1
Comingled	79	54.3%	65.4	45%	1	0.7%	145.4
General Waste	475.8	13.8%	1029.9	29.9%	1943.4	56.3%	3449
Glass Containers	0	0%	6.9	100%	0	0%	6.9
Glass Other	0	0%	39.7	100%	0	0%	39.7
Metal	2.8	7.6%	17.2	47%	16.6	45.4%	36.6
Organics	0.9	0%	1.1	0%	2365	99.9%	2367
Paper	4.4	75.9%	1.4	24.1%	0	0%	5.8
Soft Plastics	0.1	0%	11.3	3.2%	342	96.8%	353.4
Timber	0	0%	6.9	100%	0	0%	6.9
<b>Total</b>	<b>607.7</b>	<b>7.5%</b>	<b>1462.7</b>	<b>18%</b>	<b>6040.4</b>	<b>74.5%</b>	<b>8110.8</b>

### 3.2.3 General Waste Tonnes of C&I Waste per Areas and Regions

**Table 50: Total General Waste tonnes of C&I waste – SMA & ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
ERA	505.5	14.4%	1065.9	30.3%	1943.4	55.3%	3514.8
SMA	718.9	3.2%	13,048.5	57.7%	8839.3	39.1%	22,606.7
<b>Total</b>	<b>1224.4</b>	<b>4.7%</b>	<b>14,114.4</b>	<b>54%</b>	<b>10,782.7</b>	<b>41.3%</b>	<b>26,121.5</b>

**Table 51: Total General Waste tonnes of C&I waste – Regional Groupings**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Hunter Council Groups	475.8	13.8%	1029.9	29.9%	1943.4	56.3%	3449
MACROC	0.5	3.3%	15.1	96.7%	0	0%	15.6
NSROC	149.8	15.1%	30.1	3%	814.4	81.9%	994.3
SHOROC	0	0%	31.2	28.6%	78	71.4%	109.2
Southern Councils Group	9.4	20.6%	36	79.4%	0	0%	45.4
SSROC	306.6	4%	4038.3	52.2%	3393.5	43.9%	7738.3
WSROC	282.4	2.1%	8933.8	64.9%	4553.4	33.1%	13,769.6
<b>Total</b>	<b>1224.4</b>	<b>4.7%</b>	<b>14,114.4</b>	<b>54%</b>	<b>10,782.7</b>	<b>41.3%</b>	<b>26,121.5</b>

### 3.2.4 Total tonnes of C&I waste by streams, ANZSIC division, per area and region

**Table 52: Total tonnes of C&I by waste streams by ANZSIC Division – All Areas**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
<b>C - Manufacturing</b>							
Cardboard	92.4	3.6%	969.9	37.7%	1509.3	58.7%	2571.6
Comingled	7.9	66.3%	2.6	21.7%	1.4	12%	11.9
General Waste	358.6	4.5%	2623.1	32.6%	5062.5	62.9%	8044.1
Organics	0	0%	19,165.7	79.1%	5065.7	20.9%	24,231.4
Paper	3.5	100%	0	0%	0	0%	3.5
Soft Plastics	0	0%	583.4	61.4%	366.7	38.6%	950.1
Glass Containers	0	0%	16.6	44.2%	21	55.8%	37.6
Metal	2.8	1.1%	199.9	78.7%	51.4	20.2%	254.1
Secure Paper	0	0%	0	0%	33.4	100%	33.4
Cardboard/Soft Plastics	22	80.5%	5.3	19.5%	0	0%	27.3
Timber	0	0%	16.3	100%	0	0%	16.3
Glass Other	15.1	1.3%	1111.1	98.7%	0	0%	1126.2
Pallets	0	0%	12.8	100%	0	0%	12.8
Quarantine Waste	0	0%	3	100%	0	0%	3
Secure Burial	0	0%	16.2	11.4%	126.5	88.6%	142.7
<b>F - Wholesale Trade</b>							
Cardboard	31.7	1.5%	2074.4	98.5%	0	0%	2106
Coat hangers	0	0%	220	100%	0	0%	220
Comingled	0.5	100%	0	0%	0	0%	0.5
General Waste	165.3	2.2%	7293.5	97.8%	0	0%	7458.8
Organics	0	0%	13,000	100%	0	0%	13,000
Soft Plastics	0	0%	98.5	100%	0	0%	98.5
Metal	0	0%	2.2	100%	0	0%	2.2
Timber	0	0%	1500	100%	0	0%	1500
Polystyrene	0	0%	62.5	100%	0	0%	62.5
<b>G - Retail Trade</b>							
Cardboard	135.9	17.3%	650.5	82.7%	0	0%	786.4
Coat hangers	0	0%	111.4	100%	0	0%	111.4
Comingled	3.2	72.6%	1.2	27.4%	0	0%	4.4
General Waste	216.2	39.1%	336.8	60.9%	0	0%	552.9
Paper	0.8	9.8%	7.5	90.2%	0	0%	8.3
Soft Plastics	0.6	1.4%	41.1	98.6%	0	0%	41.7
Polystyrene	10.1	100%	0	0%	0	0%	10.1
Fat and Bone	5.6	100%	0	0%	0	0%	5.6
<b>H – Accommodation/ Food Services</b>							
Cardboard	6.1	0.6%	213.1	21.6%	765.5	77.7%	984.8



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Comingled	71.4	6.9%	568.8	55.2%	390.9	37.9%	1031.1
General Waste	225.3	5.6%	1669.4	41.2%	2153.1	53.2%	4047.7
Organics	0	0%	87.9	12.1%	640.4	87.9%	728.3
Glass Containers	0	0%	6.9	13.4%	44.4	86.6%	51.3
J-O - Office Based Industries							
Cardboard	2.1	1.1%	19.7	10.4%	167.1	88.5%	188.8
Comingled	1.6	0.9%	61.3	36.1%	106.7	62.9%	169.6
General Waste	26.9	3.9%	142.7	20.8%	516.8	75.3%	686.4
Organics	0	0%	0	0%	10.3	100%	10.3
Paper	5.7	3.3%	2.8	1.6%	163.4	95%	171.9
Cardboard/Paper	0	0%	0	0%	35	100%	35
Metal	0	0%	10	100%	0	0%	10
Secure Paper	4.7	1.4%	13.2	4%	310.7	94.6%	328.6
Polystyrene	0	0%	6.7	100%	0	0%	6.7
I - Transport, Postal, Warehousing							
Cardboard	100.6	22%	142.9	31.3%	213.8	46.8%	457.3
Comingled	1.4	50.9%	0.2	7.6%	1.1	41.5%	2.7
General Waste	161.2	15.4%	461.5	44.2%	422.2	40.4%	1044.9
Paper	0.4	21.3%	1.2	63.4%	0.3	15.4%	2
Soft Plastics	61.3	73%	3.4	4%	19.3	23%	84
Metal	0	0%	143.5	100%	0	0%	143.5
Cardboard/Soft Plastics	56.7	28.4%	143.1	71.6%	0	0%	199.8
Timber	0	0%	0	0%	75.6	100%	75.6
Polystyrene	1.7	100%	0	0%	0	0%	1.7
Q - Health Care and Social Assistance							
Cardboard	1.4	0.8%	46.3	25%	137.3	74.2%	185
Comingled	1.4	2.4%	22.1	40%	31.9	57.6%	55.4
General Waste	5.7	0.2%	880.8	35.7%	1580.2	64.1%	2466.7
Organics	0.9	0.8%	0	0%	109	99.2%	109.9
Paper	0.2	0.6%	27.6	69.5%	11.9	30%	39.8
Soft Plastics	0	0%	4.3	35.2%	7.9	64.8%	12.2
Metal	0	0%	0	0%	8.3	100%	8.3
P - Education and Training	0		0		0		
Cardboard	12.2	18%	23.9	35.3%	31.6	46.6%	67.8
General Waste	26.7	9.8%	113.3	41.7%	131.9	48.5%	271.9
Paper	0.2	1.3%	0	0%	18.9	98.7%	19.1
R - Arts and Recreation Services	0		0		0		
Cardboard	9.6	8.6%	18.6	16.7%	83.2	74.7%	111.4
Comingled	4.3	2.8%	106.9	70%	41.6	27.2%	152.8
General Waste	38.7	2.5%	593.4	38.3%	916	59.2%	1548.1
Paper	0.2	10%	1.4	90%	0	0%	1.6
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

**Table 53: Total tonnes C&I by waste streams by ANZSIC Division – SMA**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
<b>C - Manufacturing</b>							
Cardboard	86.7	7.2%	903.5	75.1%	213.3	17.7%	1203.6
Comingled	6.9	80.2%	0.3	3.2%	1.4	16.6%	8.6
General Waste	287.1	4.2%	2522.2	36.9%	4031.7	58.9%	6840.9
Organics	0	0%	19,165.7	87.2%	2809.7	12.8%	21,975.4
Soft Plastics	0	0%	580.3	95.9%	24.7	4.1%	605
Glass Containers	0	0%	16.6	44.2%	21	55.8%	37.6
Metal	0	0%	194.9	81.9%	43.1	18.1%	238
Secure Paper	0	0%	0	0%	33.4	100%	33.4
Cardboard/Soft Plastics	22	80.5%	5.3	19.5%	0	0%	27.3
Timber	0	0%	9.4	100%	0	0%	9.4
Glass Other	15.1	1.4%	1071.4	98.6%	0	0%	1086.5
Pallets	0	0%	12.8	100%	0	0%	12.8
Quarantine Waste	0	0%	3	100%	0	0%	3
Secure Burial	0	0%	16.2	11.4%	126.5	88.6%	142.7
<b>F - Wholesale Trade</b>							
Cardboard	21.8	1%	2073.4	99%	0	0%	2095.1
Coat hangers	0	0%	220	100%	0	0%	220
General Waste	28.4	0.4%	7285.7	99.6%	0	0%	7314.1
Organics	0	0%	13,000	100%	0	0%	13,000
Soft Plastics	0	0%	96.5	100%	0	0%	96.5
Timber	0	0%	1500	100%	0	0%	1500
Polystyrene	0	0%	62.5	100%	0	0%	62.5
<b>G - Retail Trade</b>							
Cardboard	130.2	21.7%	469.8	78.3%	0	0%	600
Coat hangers	0	0%	93.5	100%	0	0%	93.5
Comingled	3.2		1.2		0		
General Waste	168.6	43.7%	217.1	56.3%	0	0%	385.7
Paper	0.8	9.8%	7.5	90.2%	0	0%	8.3
Soft Plastics	0.6	1.8%	31.9	98.2%	0	0%	32.5
Polystyrene	10.1	100%	0	0%	0	0%	10.1
Fat and Bone	5.6	100%	0	0%	0	0%	5.6
<b>H - Accommodation and Food Services</b>							
Cardboard	2.7	0.3%	179.9	19%	765.5	80.7%	948.2
Comingled	1.4	0.1%	540.8	58%	390.9	41.9%	933.1
General Waste	46.8	1.2%	1562.5	41.5%	2153.1	57.2%	3762.3

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Organics	0	0%	86.8	11.9%	640.4	88.1%	727.2
Glass Containers	0	0%	0	0%	44.4	100%	44.4
J-O - Office Based Industries							
Cardboard	2.1	1.2%	19.7	11.1%	155.7	87.7%	177.4
Comingled	0	0%	54	33.8%	105.7	66.2%	159.7
General Waste	8.9	1.6%	64.7	11.5%	488.2	86.9%	561.8
Organics	0	0%	0	0%	10.3	100%	10.3
Paper	4.8	2.8%	2.8	1.6%	163.4	95.5%	171
Cardboard/Paper	0	0%	0	0%	35	100%	35
Secure Paper	4.7	1.4%	13.2	4%	310.7	94.6%	328.6
Polystyrene	0	0%	6.7	100%	0	0%	6.7
I - Transport, Postal and Warehousing							
Cardboard	96.5	21.3%	142.9	31.5%	213.8	47.2%	453.2
Comingled	0.6	31.6%	0.2	10.6%	1.1	57.8%	1.9
General Waste	155.6	15%	461.5	44.4%	422.2	40.6%	1039.3
Paper	0.4	21.3%	1.2	63.4%	0.3	15.4%	2
Soft Plastics	61.2	73%	3.4	4.1%	19.3	23%	83.9
Metal	0	0%	143.5	100%	0	0%	143.5
Cardboard/Soft Plastics	56.7	28.4%	143.1	71.6%	0	0%	199.8
Timber	0	0%	0	0%	75.6	100%	75.6
Polystyrene	1.7	100%	0	0%	0	0%	1.7
Q - Health Care and Social Assistance							
Cardboard	1.4	1.9%	0	0%	72.3	98.1%	73.7
Comingled	0.5	1%	15.2	32%	31.9	67%	47.6
General Waste	3.6	0.3%	345.3	33%	696.2	66.6%	1045.1
Paper	0.2	0.6%	27.6	69.5%	11.9	30%	39.8
Soft Plastics	0		4.3		7.9		
P - Education and Training							
Cardboard	5.9	12.8%	8.8	19.1%	31.6	68.2%	46.4
General Waste	18.9	9.5%	47.6	24%	131.9	66.5%	198.4
Paper	0.2	1.3%	0	0%	18.9	98.7%	19.1
R - Arts and Recreation Services							
Cardboard	0	0%	10	10.7%	83.2	89.3%	93.2
Comingled	0	0%	86	67.4%	41.6	32.6%	127.6
General Waste	1		542		916		
Paper	0.2	100%	0	0%	0	0%	0.2
<b>Total</b>	<b>1263.2</b>	<b>1.8%</b>	<b>54,074.7</b>	<b>76.5%</b>	<b>15,343.8</b>	<b>21.7%</b>	<b>70,681.7</b>

**Table 54: Total tonnes of C&I by waste streams by ANZSIC Division – ERA**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
C - Manufacturing	5.7	0.4%	66.3	4.8%	1296	94.7%	1368
Cardboard	1	30.3%	2.3	69.7%	0	0%	3.3
Comingled	71.5	5.9%	100.9	8.4%	1030.8	85.7%	1203.2
General Waste	0	0%	0	0%	2256	100%	2256
Organics	3.5	100%	0	0%	0	0%	3.5
Paper	0	0%	3.1	0.9%	342	99.1%	345.1
Soft Plastics	2.8	17.4%	5	31.1%	8.3	51.5%	16.1
Metal	0	0%	6.9	100%	0	0%	6.9
Timber	0	0%	39.7	100%	0	0%	39.7
Glass Other							
F - Wholesale Trade	9.9	90.8%	1	9.2%	0	0%	10.9
Cardboard	0.5	100%	0	0%	0	0%	0.5
Comingled	136.9	94.6%	7.8	5.4%	0	0%	144.7
General Waste	0	0%	2	100%	0	0%	2
Soft Plastics	0	0%	2.2	100%	0	0%	2.2
Metal							
G - Retail Trade	5.7	3.1%	180.7	96.9%	0	0%	186.4
Cardboard	0	0%	17.9	100%	0	0%	17.9
Coat hangers	47.5	28.4%	119.7	71.6%	0	0%	167.2
General Waste	0	0%	9.3	100%	0	0%	9.3
Soft Plastics							
H - Accommodation and Food Services	3.4	9.3%	33.2	90.7%	0	0%	36.6
Cardboard	70	71.4%	28	28.6%	0	0%	98
Comingled	178.5	62.5%	106.9	37.5%	0	0%	285.4
General Waste	0	0%	1.1	100%	0	0%	1.1
Organics	0	0%	6.9	100%	0	0%	6.9
Glass Containers							
J-O - Office Based Industries	0	0%	0	0%	11.4	100%	11.4
Cardboard	1.6	16.2%	7.3	73.7%	1	10.1%	9.9
Comingled	18	14.4%	78	62.6%	28.6	23%	124.6
General Waste	0.9	100%	0	0%	0	0%	0.9
Paper	0	0%	10	100%	0	0%	10
Metal							
I - Transport, Postal and Warehousing	4.1	100%	0	0%	0	0%	4.1
Cardboard	0.8	100%	0	0%	0	0%	0.8

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Comingled	5.6	100%	0	0%	0	0%	5.6
General Waste	0.1	100%	0	0%	0	0%	0.1
Soft Plastics							
Q - Health Care and Social Assistance	0	0%	46.3	41.6%	65	58.4%	111.3
Cardboard	0.9	11.4%	6.9	88.6%	0	0%	7.8
Comingled	2.1	0.1%	535.5	37.7%	884	62.2%	1421.5
General Waste	0.9	0.8%	0	0%	109	99.2%	109.9
Organics	0	0%	0	0%	8.3	100%	8.3
Metal							
P - Education and Training	6.3	29.4%	15.1	70.6%	0	0%	21.4
Cardboard	7.8	10.6%	65.7	89.4%	0	0%	73.5
General Waste							
R - Arts and Recreation Services							
Cardboard	9.6	52.7%	8.6	47.3%	0	0%	18.2
Comingled	4.3	17.1%	20.9	82.9%	0	0%	25.2
General Waste	37.7	42.3%	51.4	57.7%	0	0%	89.1
Paper	0	0%	1.4	100%	0	0%	1.4
<b>Total</b>	<b>637.5</b>	<b>7.7%</b>	<b>1587.8</b>	<b>19.2%</b>	<b>6040.4</b>	<b>73.1%</b>	<b>8265.7</b>

**Table 55: Total tonnes of C&I by waste streams by ANZSIC Division – SSROC**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
<b>C - Manufacturing</b>							
Cardboard	54.7	9.4%	515.1	88.3%	13.8	2.4%	583.7
Comingled	0.9	45.5%	0.3	14.2%	0.8	40.3%	1.9
General Waste	177.1	12.6%	1087.6	77.2%	143.5	10.2%	1408.2
Organics	0	0%	11,152.8	100%	0	0%	11,152.8
Soft Plastics	0	0%	561.1	100%	0	0%	561.1
Metal	0	0%	27.4	100%	0	0%	27.4
Secure Paper	0	0%	0	0%	33.4	100%	33.4
Cardboard/Soft Plastics	22	80.5%	5.3	19.5%	0	0%	27.3
Timber	0	0%	9.4	100%	0	0%	9.4
Glass Other	15.1	15.1%	84.9	84.9%	0	0%	100.1
Quarantine Waste	0	0%	3	100%	0	0%	3
<b>F - Wholesale Trade</b>							
Cardboard	1.8	3.8%	45.8	96.2%	0	0%	47.6
General Waste	7.3	5.4%	129.2	94.6%	0	0%	136.5
Soft Plastics	0	0%	6.1	100%	0	0%	6.1
<b>G - Retail Trade</b>							
Cardboard	42.2	22.9%	142.1	77.1%	0	0%	184.3
Coat hangers	0	0%	40.3	100%	0	0%	40.3
Comingled	2.4	88.7%	0.3	11.3%	0	0%	2.7
General Waste	47.4	40.1%	70.7	59.9%	0	0%	118.1
Paper	0	0%	1	100%	0	0%	1
Soft Plastics	0.6	6%	9.4	94%	0	0%	10
Fat and Bone	5.6	100%	0	0%	0	0%	5.6
<b>H - Accommodation and Food Services</b>							
Cardboard	2.7	0.3%	179.9	19%	765.5	80.7%	948.2
Comingled	1.4	0.1%	540.8	58%	390.9	41.9%	933.1
General Waste	46.8	1.2%	1562.5	41.5%	2153.1	57.2%	3762.3
Organics	0	0%	86.8	11.9%	640.4	88.1%	727.2
Glass Containers	0	0%	0	0%	44.4	100%	44.4
<b>I - Transport, Postal and Warehousing</b>							
Cardboard	1.8	100%	0	0%	0	0%	1.8
General Waste	2.5	1.3%	190.8	98.7%	0	0%	193.3
Paper	0.1	32.7%	0.2	67.3%	0	0%	0.4
Metal	0	0%	143.5	100%	0	0%	143.5

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J-O - Office Based Industries							
Cardboard	0	0%	19.7	22.7%	66.8	77.3%	86.5
Comingled	0	0%	54	35.4%	98.4	64.6%	152.4
General Waste	2	0.6%	62.6	20.2%	245.2	79.1%	309.8
Organics	0	0%	0	0%	10.3	100%	10.3
Paper	2.8	2.4%	2.8	2.3%	114	95.3%	119.6
Cardboard/Paper	0	0%	0	0%	35	100%	35
Secure Paper	0	0%	8.2	2.6%	310.7	97.4%	318.9
Polystyrene	0	0%	6.7	100%	0	0%	6.7
P - Education and Training							
Cardboard	5.9	32.4%	8.8	48.4%	3.5	19.2%	18.3
General Waste	18.9	23.6%	47.6	59.3%	13.7	17.1%	80.2
Paper	0.2	100%	0	0%	0	0%	0.2
Q - Health Care and Social Assistance							
Cardboard	1.4	100%	0	0%	0	0%	1.4
Comingled	0.5	2.9%	15.2	97.1%	0	0%	15.7
General Waste	3.6	1%	345.3	99%	0	0%	348.9
Paper	0.2	0.8%	27.6	99.2%	0	0%	27.9
Soft Plastics	0	0%	4.3	100%	0	0%	4.3
R - Arts and Recreation Services							
Cardboard	0	0%	10	27.8%	26	72.2%	36
Comingled	0	0%	86	67.4%	41.6	32.6%	127.6
General Waste	1	0.1%	542	39.2%	838	60.7%	1381
Paper	0.2	100%	0	0%	0	0%	0.2
<b>Total</b>	<b>469.2</b>	<b>1.9%</b>	<b>17,837.3</b>	<b>73.4%</b>	<b>5989</b>	<b>24.7%</b>	<b>24,295.5</b>

**Table 56: Total tonnes of C&I by waste streams by ANZSIC Division - WSROC**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
<b>C - Manufacturing</b>							
Cardboard	0	0%	379.8	65.6%	199.5	34.4%	579.4
Comingled	0	0%	0	0%	0.7	100%	0.7
General Waste	0	0%	1426.8	26.8%	3888.1	73.2%	5314.9
Organics	0	0%	8012.9	74%	2809.7	26%	10,822.6
Soft Plastics	0	0%	19.2	43.8%	24.7	56.2%	43.9
Glass Containers	0	0%	16.6	44.2%	21	55.8%	37.6
Metal	0	0%	167.5	79.5%	43.1	20.5%	210.6
Glass Other	0	0%	986.5	100%	0	0%	986.5
Pallets	0	0%	12.8	100%	0	0%	12.8
Secure Burial	0	0%	16.2	11.4%	126.5	88.6%	142.7
<b>F - Wholesale Trade</b>							
Cardboard	20	1%	2027.6	99%	0	0%	2047.6
Coat hangers	0	0%	220	100%	0	0%	220
General Waste	21.1	0.3%	7156.6	99.7%	0	0%	7177.6
Organics	0	0%	13,000	100%	0	0%	13,000
Soft Plastics	0	0%	90.5	100%	0	0%	90.5
Timber	0	0%	1500	100%	0	0%	1500
Polystyrene	0	0%	62.5	100%	0	0%	62.5
<b>G - Retail Trade</b>							
Cardboard	84.2	36.2%	148.7	63.8%	0	0%	233
Coat hangers	0	0%	10	100%	0	0%	10
Comingled	0	0%	0.9	100%	0	0%	0.9
General Waste	104.4	56.7%	79.9	43.3%	0	0%	184.3
Paper	0	0%	3	100%	0	0%	3
Soft Plastics	0	0%	9.6	100%	0	0%	9.6
Polystyrene	8.7	100%	0	0%	0	0%	8.7
<b>I - Transport, Postal and Warehousing</b>							
Cardboard	94.7	21%	142.9	31.7%	213.8	47.4%	451.4
Comingled	0.6	31.6%	0.2	10.6%	1.1	57.8%	1.9
General Waste	153.1	18.1%	270.7	32%	422.2	49.9%	846
Paper	0.3	18.8%	1	62.5%	0.3	18.8%	1.6
Soft Plastics	61.2	73%	3.4	4.1%	19.3	23%	83.9
Cardboard/Soft Plastics	56.7	28.4%	143.1	71.6%	0	0%	199.8
Timber	0	0%	0	0%	75.6	100%	75.6
Polystyrene	1.7	100%	0	0%	0	0%	1.7



J-O - Office Based Industries							
Cardboard	2.1	2.3%	0	0%	88.8	97.7%	90.9
Comingled	0	0%	0	0%	7.3	100%	7.3
General Waste	3.8	1.5%	0	0%	243.1	98.5%	246.8
Paper	0	0%	0	0%	49.4	100%	49.4
Secure Paper	1.2	100%	0	0%	0	0%	1.2
<b>Total</b>	<b>613.8</b>	<b>1.4%</b>	<b>35,908.9</b>	<b>80.2%</b>	<b>8234.1</b>	<b>18.4%</b>	<b>44,756.9</b>

**Table 57: Total tonnes of C&I by waste streams by ANZSIC Division – NSROC**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
C - Manufacturing							
Cardboard	0	0%	32	100%	0	0%	32
Comingled	0	0%	6	100%	0	0%	6
General Waste	0	0%	110	100%	0	0%	110
G - Retail Trade							
Cardboard	3.8	14.1%	23	85.9%	0	0%	26.8
Comingled	0.8	100%	0	0%	0	0%	0.8
General Waste	37.3	57.1%	28	42.9%	0	0%	65.3
Paper	0.8	18.9%	3.5	81.1%	0	0%	4.3
Soft Plastics	0	0%	6	100%	0	0%	6
Polystyrene	1.4	100%	0	0%	0	0%	1.4
J-O - Office Based Industries							
General Waste	2.6	55.3%	2.1	44.7%	0	0%	4.7
Secure Paper	3.4	40.7%	5	59.3%	0	0%	8.4
P - Education and Training							
Cardboard	0	0%	0	0%	28.1	100%	28.1
General Waste	0	0%	0	0%	118.2	100%	118.2
Paper	0	0%	0	0%	18.9	100%	18.9
Q - Health Care and Social Assistance							
Cardboard	0	0%	0	0%	72.3	100%	72.3
Comingled	0	0%	0	0%	31.9	100%	31.9
General Waste	0	0%	0	0%	696.2	100%	696.2
Paper	0	0%	0	0%	11.9	100%	11.9
Soft Plastics	0	0%	0	0%	7.9	100%	7.9
<b>Total</b>	<b>50</b>	<b>4%</b>	<b>215.6</b>	<b>17.2%</b>	<b>985.4</b>	<b>78.8%</b>	<b>1251</b>

**Table 58: Total tonnes of C&I by waste streams by ANZSIC Division – Hunter Councils Inc.**

Stream	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
<b>C - Manufacturing</b>							
Cardboard	5.7	0.4%	66.3	4.8%	1296	94.7%	1368
Comingled	1	30.3%	2.3	69.7%	0	0%	3.3
General Waste	71.5	5.9%	100.9	8.4%	1030.8	85.7%	1203.2
Organics	0	0%	0	0%	2256	100%	2256
Paper	3.5	100%	0	0%	0	0%	3.5
Soft Plastics	0	0%	3.1	0.9%	342	99.1%	345.1
Metal	2.8	17.4%	5	31.1%	8.3	51.5%	16.1
Timber	0	0%	6.9	100%	0	0%	6.9
Glass Other	0	0%	39.7	100%	0	0%	39.7
<b>F - Wholesale Trade</b>							
Cardboard	9.9	90.8%	1	9.2%	0	0%	10.9
Comingled	0.5	100%	0	0%	0	0%	0.5
General Waste	127.5	94.2%	7.8	5.8%	0	0%	135.3
Soft Plastics	0	0%	2	100%	0	0%	2
Metal	0	0%	2.2	100%	0	0%	2.2
<b>G - Retail Trade</b>							
Cardboard	5.7	4.8%	112.5	95.2%	0	0%	118.2
General Waste	27.1	24.5%	83.7	75.5%	0	0%	110.8
Soft Plastics	0	0%	6.2	100%	0	0%	6.2
<b>H - Accommodation and Food Services</b>							
Cardboard	3.4	9.3%	33.2	90.7%	0	0%	36.6
Comingled	70	71.4%	28	28.6%	0	0%	98
General Waste	178.5	62.5%	106.9	37.5%	0	0%	285.4
Organics	0	0%	1.1	100%	0	0%	1.1
Glass Containers	0	0%	6.9	100%	0	0%	6.9
<b>I - Transport, Postal and Warehousing</b>							
Cardboard	4.1		0		0		
Comingled	0.8	100%	0	0%	0	0%	0.8
General Waste	5.6	100%	0	0%	0	0%	5.6
Soft Plastics	0.1	100%	0	0%	0	0%	0.1
<b>J-O - Office Based Industries</b>							
Cardboard	0	0%	0	0%	11.4	100%	11.4
Comingled	1.6	16.2%	7.3	73.7%	1	10.1%	9.9

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General Waste	18	14.4%	78	62.6%	28.6	23%	124.6
Paper	0.9	100%	0	0%	0	0%	0.9
Metal	0	0%	10	100%	0	0%	10
P - Education and Training							
Cardboard	6.3	29.4%	15.1	70.6%	0	0%	21.4
General Waste	7.8	10.6%	65.7	89.4%	0	0%	73.5
Q - Health Care and Social Assistance							
Cardboard	0	0%	46.3	41.6%	65	58.4%	111.3
Comingled	0.9	11.4%	6.9	88.6%	0	0%	7.8
General Waste	2.1	0.1%	535.5	37.7%	884	62.2%	1421.5
Organics	0.9	0.8%	0	0%	109	99.2%	109.9
Metal	0	0%	0	0%	8.3	100%	8.3
R - Arts and Recreation Services							
Cardboard	9.6	52.7%	8.6	47.3%	0	0%	18.2
Comingled	4.3	17.1%	20.9	82.9%	0	0%	25.2
General Waste	37.7	42.3%	51.4	57.7%	0	0%	89.1
Paper	0	0%	1.4	100%	0	0%	1.4
<b>Total</b>	<b>607.7</b>	<b>7.5%</b>	<b>1462.7</b>	<b>18%</b>	<b>6040.4</b>	<b>74.5%</b>	<b>8110.8</b>

### 3.3 Overall composition of waste and materials recycled per Division/Sub-division and within each Regional Groups per SMA/ERA

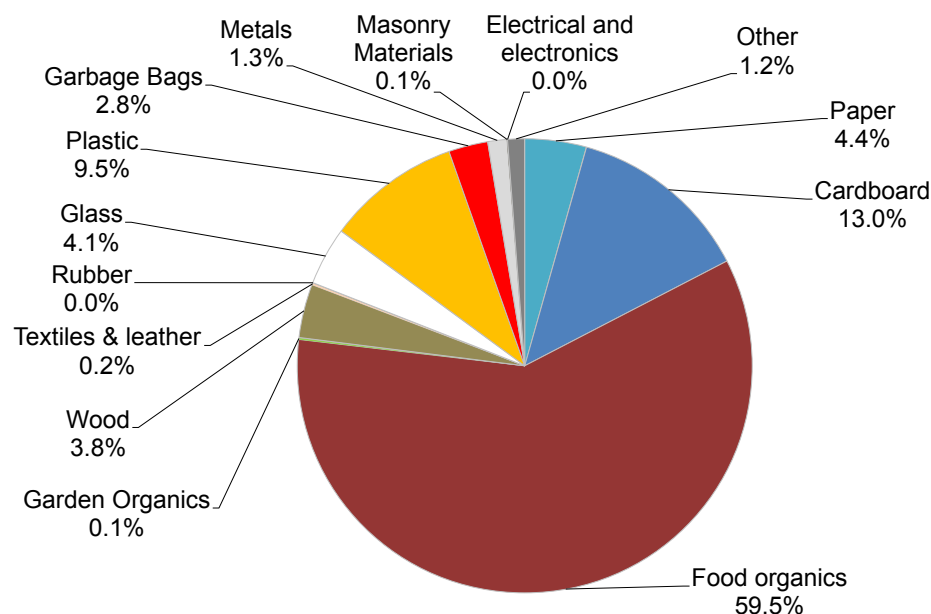
#### 3.3.1 Overall composition of waste and materials by areas

Waste going to landfill and being diverted by area. Details by business size can be found in Appendix 2.

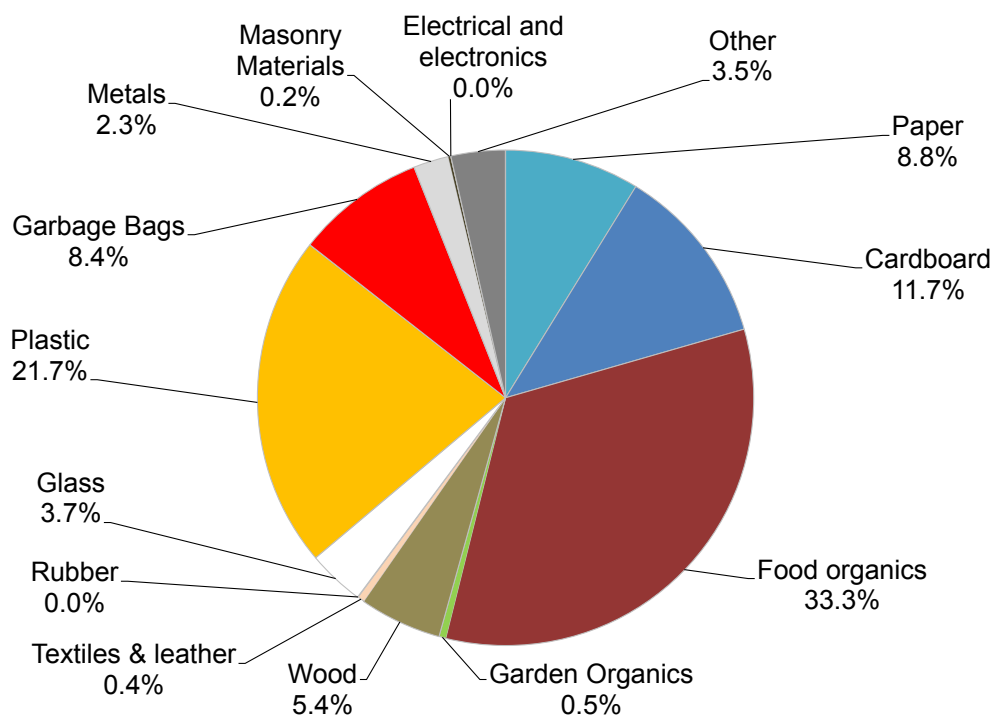
**Table 59: Total composition of C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	2294.7	66.4%	1160.2	33.6%	3454.9
Cardboard	3066.9	29.9%	7205.4	70.1%	10,272.3
Food organics	8710.6	18.6%	38,227.7	81.4%	46,938.4
Garden Organics	118.2	100%	NA	NA	118.2
Wood	1399.3	46.6%	1604.7	53.4%	3004
Textiles & leather	116.2	94.8%	6.3	5.2%	122.5
Rubber	5.4	100%	NA	NA	5.4
Glass	963.4	29.5%	2302.5	70.5%	3266
Plastic	5677.7	75.6%	1827.9	24.4%	7505.7
Garbage Bags	2200.9	99.6%	7.9	0.4%	2208.8
Metals	601.4	56.7%	458.6	43.3%	1060
Masonry Materials	41.5	100%	NA	NA	41.5
Electrical and electronics	NA	NA	NA	NA	NA
Other	925.6	97.4%	24.6	2.6%	950.2
<b>Total</b>	<b>26,122</b>	<b>33.1%</b>	<b>52,825.9</b>	<b>66.9%</b>	<b>78,947.9</b>

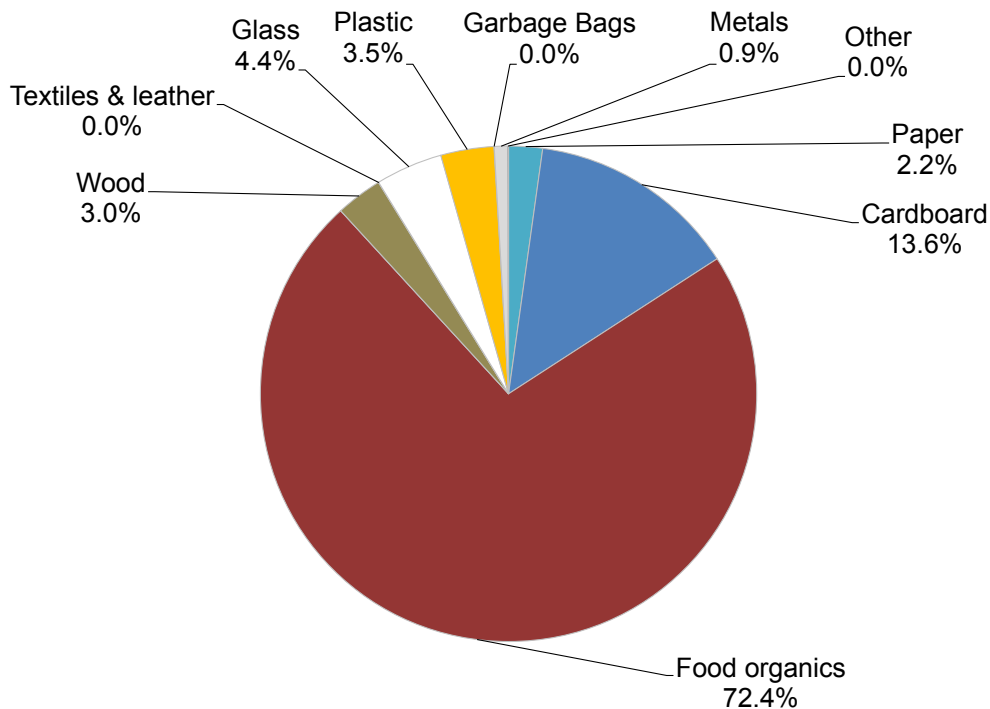
**Figure 1: Total composition of C&I waste streams – All Areas**



**Figure 2: Total composition of C&I waste landfilled – All Areas**



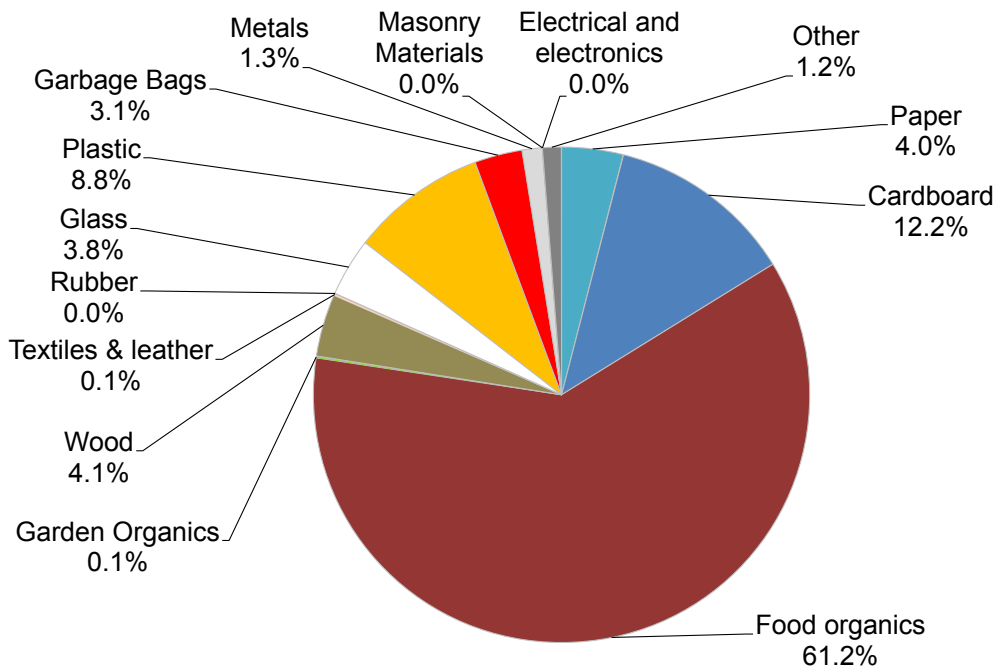
**Figure 3: Total composition of C&I waste Diverted – All Areas**



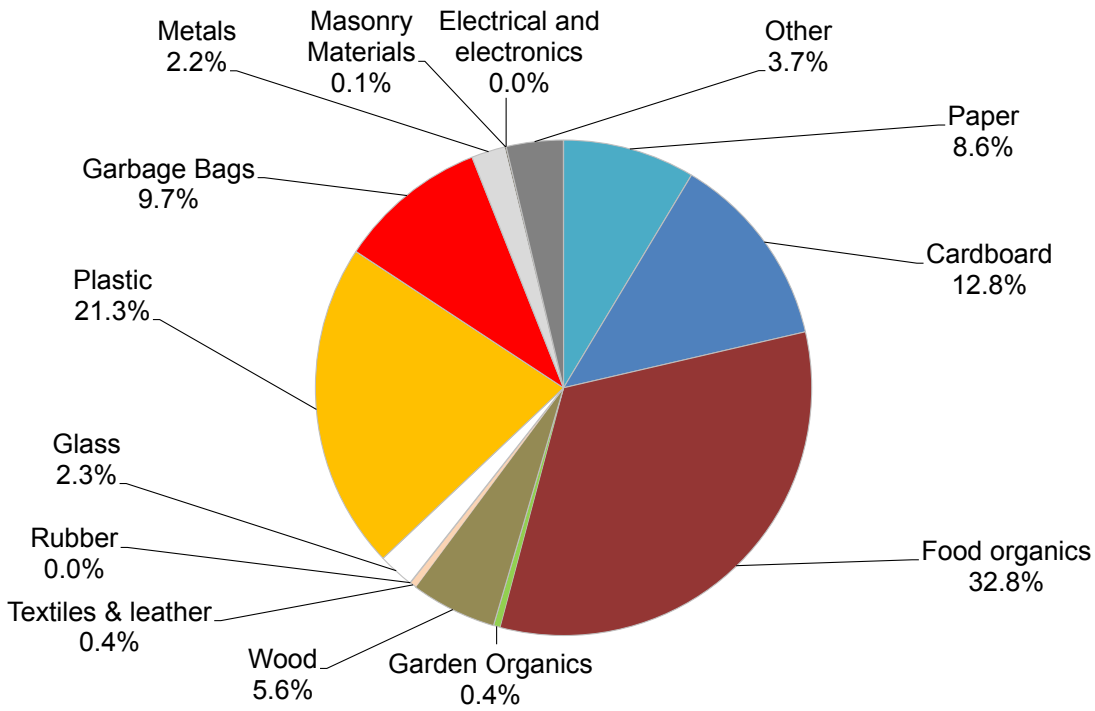
**Table 60: Total composition of C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	1944.9	68.6%	888.3	31.4%	2833.2
Cardboard	2887.7	33.6%	5707.5	66.4%	8595.3
Food organics	7404.9	17.1%	35,853.7	82.9%	43,258.5
Garden Organics	95.6	100%	NA	NA	95.6
Wood	1265.5	44.2%	1597.8	55.8%	2863.3
Textiles & leather	97.5	93.9%	6.3	6.1%	103.8
Rubber	5.4	100%	NA	NA	5.4
Glass	528.3	19.7%	2155.6	80.3%	2683.9
Plastic	4819.4	77.3%	1416.5	22.7%	6235.9
Garbage Bags	2200.9	99.6%	7.9	0.4%	2208.8
Metals	502.4	54.7%	416.7	45.3%	919.1
Masonry Materials	15.3	100%	NA	NA	15.3
Electrical and electronics	NA	NA	NA	NA	NA
Other	839.5	97.2%	24.6	2.8%	864.1
<b>Total</b>	<b>22,606.7</b>	<b>32%</b>	<b>48,075</b>	<b>68%</b>	<b>70,681.7</b>

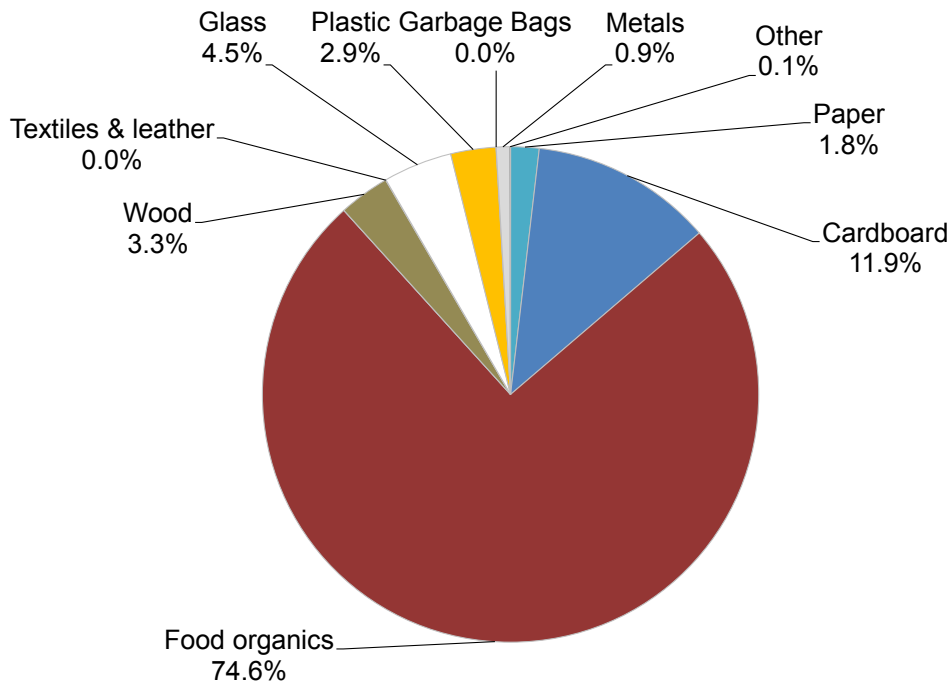
**Figure 4: Total composition of C&I waste streams – SMA**



**Figure 5: Total composition of C&I waste Landfilled – SMA**



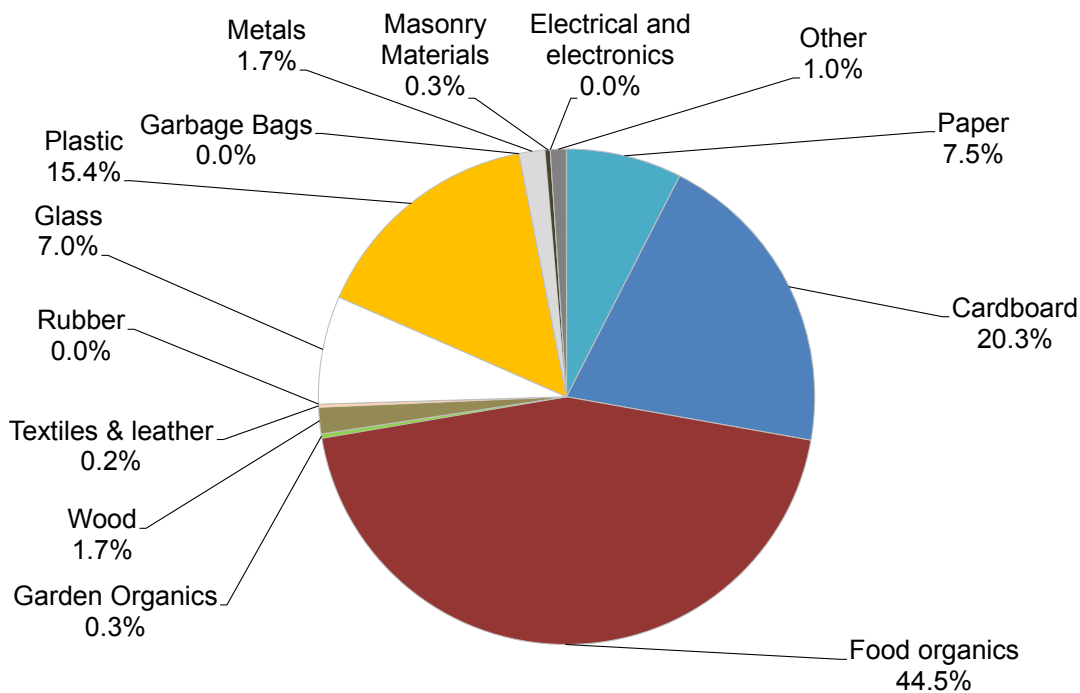
**Figure 6: Total composition of C&I waste Diverted – SMA**



**Table 61: Total composition of C&I waste streams – ERA**

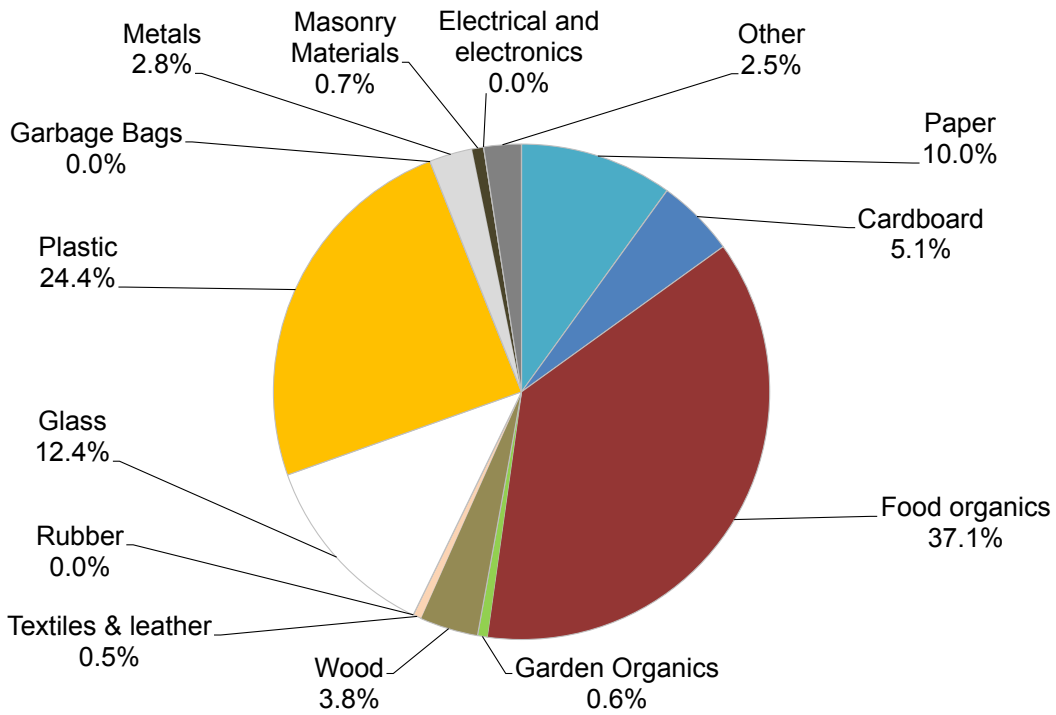
	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	349.8	56.3%	271.9	43.7%	621.7
Cardboard	179.2	10.7%	1497.9	89.3%	1677.1
Food organics	1305.7	35.5%	2374.1	64.5%	3679.8
Garden Organics	22.6	100%	NA	NA	22.6
Wood	133.9	95.1%	6.9	4.9%	140.7
Textiles & leather	18.7	100%	NA	NA	18.7
Rubber	NA	NA	NA	NA	NA
Glass	435.2	74.8%	146.9	25.2%	582.1
Plastic	858.4	67.6%	411.4	32.4%	1269.8
Garbage Bags	NA	NA	NA	NA	NA
Metals	99	70.2%	41.9	29.8%	140.9
Masonry Materials	26.2	100%	0	0%	26.2
Electrical and electronics	NA	NA	NA	NA	NA
Other	86.2	100%	NA	NA	86.2
<b>Total</b>	<b>3514.8</b>	<b>42.5%</b>	<b>4750.9</b>	<b>57.5%</b>	<b>8265.7</b>

**Figure 7: Total composition of C&I waste streams – ERA**

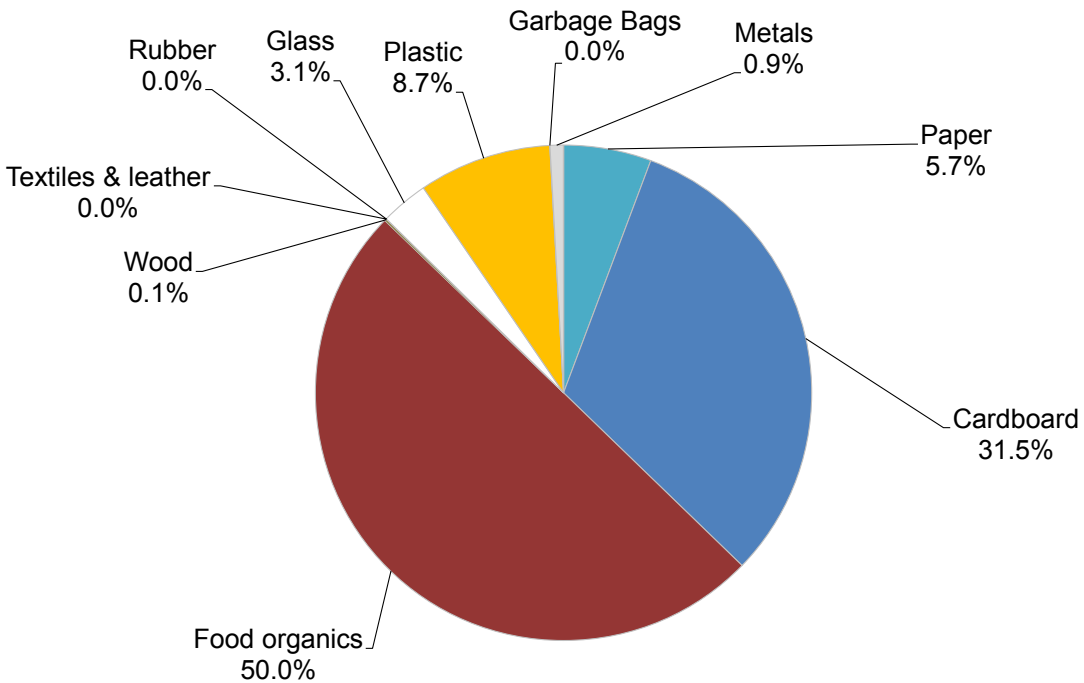




**Figure 8: Total composition of C&I waste Landfilled – ERA**



**Figure 9: Total composition of C&I waste Diverted – ERA**



**Table 62: Total composition of C&I waste streams – SSROC**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	693.6	47.6%	764.8	52.4%	1458.3
Cardboard	620.7	25.8%	1785.9	74.2%	2406.6
Food organics	3083.9	20.6%	11,901.9	79.4%	14,985.9
Garden Organics	47.6	100%	NA	NA	47.6
Wood	284.4	96.8%	9.4	3.2%	293.8
Textiles & leather	73.4	92%	6.3	8%	79.7
Rubber	0.7	100%	NA	NA	0.7
Glass	447.4	28.9%	1100	71.1%	1547.4
Plastic	1680.4	68.6%	768.7	31.4%	2449.1
Garbage Bags	292.6	97.5%	7.6	2.5%	300.3
Metals	116.2	38.2%	188.4	61.8%	304.6
Masonry Materials	15.3	100%	NA	NA	15.3
Electrical and electronics	NA	NA	NA	NA	NA
Other	382.1	94.1%	24.1	5.9%	406.2
<b>Total</b>	<b>7738.3</b>	<b>31.9%</b>	<b>16,557.2</b>	<b>68.1%</b>	<b>24,295.5</b>

**Table 63: Total composition of C&I waste streams – WSROC**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	1156.1	95.4%	55.4	4.6%	1211.5
Cardboard	2204.4	38.2%	3573.1	61.8%	5777.6
Food organics	3830	13.8%	23,951.7	86.2%	27,781.7
Garden Organics	37	100%	NA	NA	37
Wood	951.3	37.5%	1588.4	62.5%	2539.7
Textiles & leather	4.3	100%	NA	NA	4.3
Rubber	3.3	100%	NA	NA	3.3
Glass	16.9	1.6%	1028.9	98.4%	1045.7
Plastic	2906.1	83.4%	577	16.6%	3483.1
Garbage Bags	1891.8	100%	0.2	0%	1892.1
Metals	377.6	64%	212	36%	589.7
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	391.3	99.9%	0.5	0.1%	391.7
<b>Total</b>	<b>13,770.1</b>	<b>30.8%</b>	<b>30,987.2</b>	<b>69.2%</b>	<b>44,757.4</b>

**Table 64: Total composition of C&I waste streams – NSROC**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	87.8	58.5%	62.4	41.5%	150.2
Cardboard	69.6	34.8%	130.6	65.2%	200.1
Food organics	445.5	100%	NA	NA	445.5
Garden Organics	7.9	100%	NA	NA	7.9
Wood	28.5	100%	NA	NA	28.5
Textiles & leather	19.8	100%	NA	NA	19.8
Rubber	NA	NA	NA	NA	NA
Glass	60.9	69.5%	26.7	30.5%	87.6
Plastic	200.1	90.6%	20.7	9.4%	220.9
Garbage Bags	NA	NA	NA	NA	NA
Metals	8.1	33.3%	16.3	66.7%	24.4
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	66.1	100%	NA	NA	66.1
<b>Total</b>	<b>994.3</b>	<b>79.5%</b>	<b>256.7</b>	<b>20.5%</b>	<b>1251</b>

**Table 65: Total composition of C&I waste streams – Hunter Council Groups**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	341.7	55.7%	271.9	44.3%	613.6
Cardboard	160.1	10.1%	1429.6	89.9%	1589.8
Food organics	1305.7	35.5%	2374.1	64.5%	3679.8
Garden Organics	22.6	100%	NA	NA	22.6
Wood	127.5	94.9%	6.9	5.1%	134.4
Textiles & leather	18.7	100%	NA	NA	18.7
Rubber	NA	NA	NA	NA	NA
Glass	435.2	74.8%	146.9	25.2%	582.1
Plastic	827.9	68%	390.5	32%	1218.4
Garbage Bags	NA	NA	NA	NA	NA
Metals	98.7	70.2%	41.9	29.8%	140.6
Masonry Materials	26.2	100%	NA	NA	26.2
Electrical and electronics	NA	NA	NA	NA	NA
Other	84.6	100%	NA	NA	84.6
<b>Total</b>	<b>3449</b>	<b>42.5%</b>	<b>4661.8</b>	<b>57.5%</b>	<b>8110.8</b>

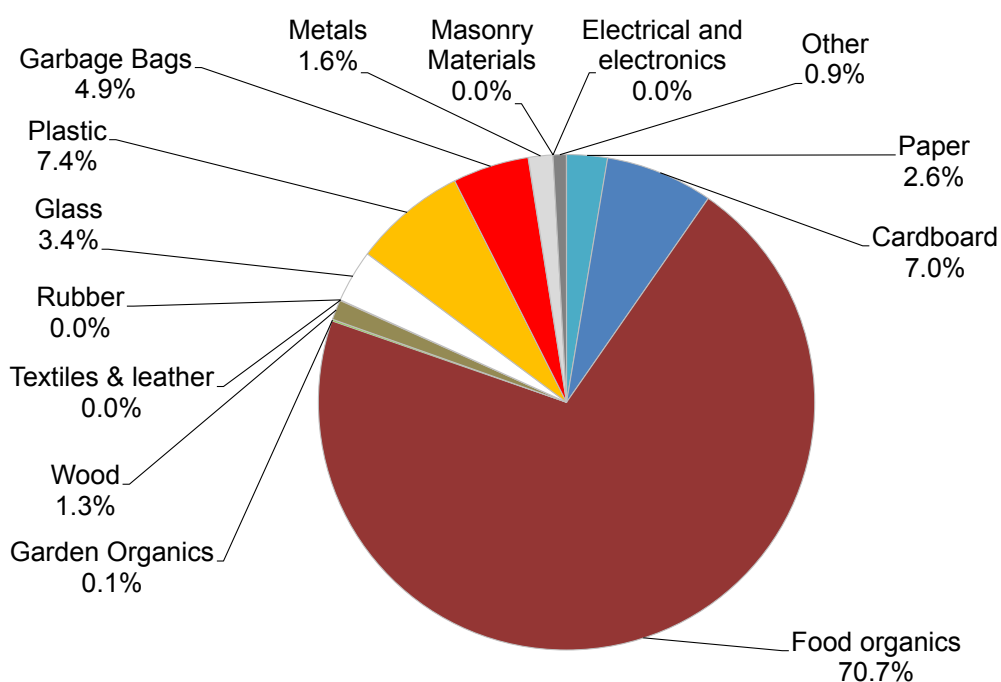
### 3.3.2 C – Manufacturing

#### 3.3.2.1 C – Manufacturing Waste Streams Overall Composition

Table 66: C – Manufacturing Waste Streams Overall Composition – All Areas

	Landfilled		Diverted		Total Tonnes
	Tonnes	%	Tonnes	%	
Paper	712.1	71.8%	280.3	28.2%	992.4
Cardboard	286.1	10.9%	2343.2	89.1%	2629.3
Food organics	2115.7	8%	24,360.5	92%	26,476.2
Garden Organics	37	100%	NA	NA	37
Wood	459.3	94%	29.1	6%	488.4
Textiles & leather	8	55.8%	6.3	44.2%	14.4
Rubber	1.4	100%	NA	NA	1.4
Glass	121.6	9.4%	1166.3	90.6%	1287.9
Plastic	1780.7	64.6%	976.9	35.4%	2757.7
Garbage Bags	1853.6	100%	0.1	0%	1853.7
Metals	348	57.7%	255.6	42.3%	603.5
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	320.5	98.9%	3.6	1.1%	324.2
<b>Total</b>	<b>8044.1</b>	<b>21.5%</b>	<b>29,422</b>	<b>78.5%</b>	<b>37,466.1</b>

Figure 10: C – Manufacturing Total composition of C&I waste streams – All Areas



**Table 67: C – Manufacturing Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	567	92.1%	48.7	7.9%	615.8
Cardboard	241.7	16.7%	1202.9	83.3%	1444.5
Food organics	1519.5	6.4%	22,104.5	93.6%	23,624
Garden Organics	37	100%	0	0%	37
Wood	381.1	94.5%	22.2	5.5%	403.3
Textiles & leather	8	55.8%	6.3	44.2%	14.4
Rubber	1.4	100%	NA	NA	1.4
Glass	117.4	9.4%	1126.3	90.6%	1243.7
Plastic	1448.5	69.7%	629.3	30.3%	2077.9
Garbage Bags	1853.6	100%	0.1	0%	1853.7
Metals	345	59%	239.3	41%	584.4
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	320.5	98.9%	3.6	1.1%	324.2
<b>Total</b>	<b>6840.9</b>	<b>21.2%</b>	<b>25,383.4</b>	<b>78.8%</b>	<b>32,224.3</b>

**Table 68: C – Manufacturing Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	145.1	38.5%	231.5	61.5%	376.6
Cardboard	44.4	3.8%	1140.3	96.2%	1184.8
Food organics	596.2	20.9%	2256	79.1%	2852.2
Garden Organics	NA	NA	NA	NA	NA
Wood	78.2	91.9%	6.9	8.1%	85
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	4.2	9.5%	40	90.5%	44.2
Plastic	332.2	48.9%	347.6	51.1%	679.8
Garbage Bags	NA	NA	NA	NA	NA
Metals	2.9	15.4%	16.2	84.6%	19.2
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>1203.2</b>	<b>23%</b>	<b>4038.6</b>	<b>77%</b>	<b>5241.8</b>

### 3.3.2.2 C11 – Food Manufacturing Waste Streams Overall Composition

**Table 69: C11 – Food Manufacturing Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	687.5	71.5%	274.3	28.5%	961.8
Cardboard	271.4	10.6%	2291.1	89.4%	2562.5
Food organics	2104.5	8%	24,360.5	92%	26,465
Garden Organics	37	100%	NA	NA	37
Wood	307.9	93.3%	22.2	6.7%	330.1
Textiles & leather	3.3	34.1%	6.3	65.9%	9.6
Rubber	NA	NA	NA	NA	NA
Glass	NA	NA	39.3	100%	39.3
Plastic	1712.1	63.8%	970.1	36.2%	2682.2
Garbage Bags	1845	100%	0.1	0%	1845.1
Metals	334.7	70.8%	137.8	29.2%	472.5
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	308	98.8%	3.6	1.2%	311.6
<b>Total</b>	<b>7611.4</b>	<b>21.3%</b>	<b>28,105.4</b>	<b>78.7%</b>	<b>35,716.8</b>

**Table 70: C11 – Food Manufacturing Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	549.9	92.8%	42.8	7.2%	592.7
Cardboard	228.4	16.5%	1153.9	83.5%	1382.3
Food organics	1513.4	6.4%	22,104.5	93.6%	23,618
Garden Organics	37	100%	NA	NA	37
Wood	260.9	92.2%	22.2	7.8%	283.1
Textiles & leather	3.3	34.1%	6.3	65.9%	9.6
Rubber	NA	NA	NA	NA	NA
Glass	NA	NA	39.2	100%	39.2
Plastic	1386	68.9%	625.8	31.1%	2011.9
Garbage Bags	1845	100%	0.1	0%	1845.1
Metals	334.7	72.1%	129.4	27.9%	464.1
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	308	98.8%	3.6	1.2%	311.6
<b>Total</b>	<b>6466.7</b>	<b>21.1%</b>	<b>24,128</b>	<b>78.9%</b>	<b>30,594.7</b>

**Table 71: C11 – Food Manufacturing Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	137.6	37.3%	231.5	62.7%	369.1
Cardboard	43	3.6%	1137.2	96.4%	1180.2
Food organics	591	20.8%	2256	79.2%	2847
Garden Organics	NA	NA	NA	NA	NA
Wood	47	100%	NA	NA	47
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	NA	NA	0.1	100%	0.1
Plastic	326	48.6%	344.2	51.4%	670.3
Garbage Bags	NA	NA	NA	NA	NA
Metals	0	0.1%	8.4	99.9%	8.4
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>1144.7</b>	<b>22.3%</b>	<b>3977.4</b>	<b>77.7%</b>	<b>5122.1</b>

**3.3.2.3 C – Other Manufacturing Waste Streams Overall Composition****Table 72: C – Other Manufacturing Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	24.6	80.4%	6	19.6%	30.6
Cardboard	14.7	22%	52.1	78%	66.8
Food organics	11.2	100%	NA	NA	11.2
Garden Organics	NA	NA	NA	NA	NA
Wood	151.4	95.7%	6.9	4.3%	158.3
Textiles & leather	4.8	100%	NA	NA	4.8
Rubber	1.4	100%	NA	NA	1.4
Glass	121.6	9.7%	1127	90.3%	1248.6
Plastic	68.6	90.9%	6.9	9.1%	75.5
Garbage Bags	8.6	100%	NA	NA	8.6
Metals	13.2	10.1%	117.7	89.9%	131
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	12.5	100%	NA	NA	12.5
<b>Total</b>	<b>432.7</b>	<b>24.7%</b>	<b>1316.5</b>	<b>75.3%</b>	<b>1749.2</b>

**Table 73: C – Other Manufacturing Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	17.1	74.2%	5.9	25.8%	23.1
Cardboard	13.2	21.3%	48.9	78.7%	62.2
Food organics	6	100%	NA	NA	6
Garden Organics	NA	NA	NA	NA	NA
Wood	120.3	100%	NA	NA	120.3
Textiles & leather	4.8	100%	NA	NA	4.8
Rubber	1.4	100%	NA	NA	1.4
Glass	117.4	9.7%	1087.1	90.3%	1204.5
Plastic	62.5	94.7%	3.5	5.3%	66
Garbage Bags	8.6	100%	NA	NA	8.6
Metals	10.3	8.6%	109.9	91.4%	120.2
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	12.5	100%	NA	NA	12.5
<b>Total</b>	<b>374.1</b>	<b>23%</b>	<b>1255.4</b>	<b>77%</b>	<b>1629.5</b>

**Table 74: C – Other Manufacturing Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	7.5	99.1%	0.1	0.9%	7.5
Cardboard	1.5	32%	3.1	68%	4.6
Food organics	5.1	100%	NA	NA	5.1
Garden Organics	NA	NA	NA	NA	NA
Wood	31.2	81.9%	6.9	18.1%	38
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	4.2	9.5%	39.9	90.5%	44.1
Plastic	6.2	64.5%	3.4	35.5%	9.5
Garbage Bags	NA	NA	NA	NA	NA
Metals	2.9	27.3%	7.8	72.7%	10.8
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>58.5</b>	<b>48.9%</b>	<b>61.2</b>	<b>51.1%</b>	<b>119.7</b>



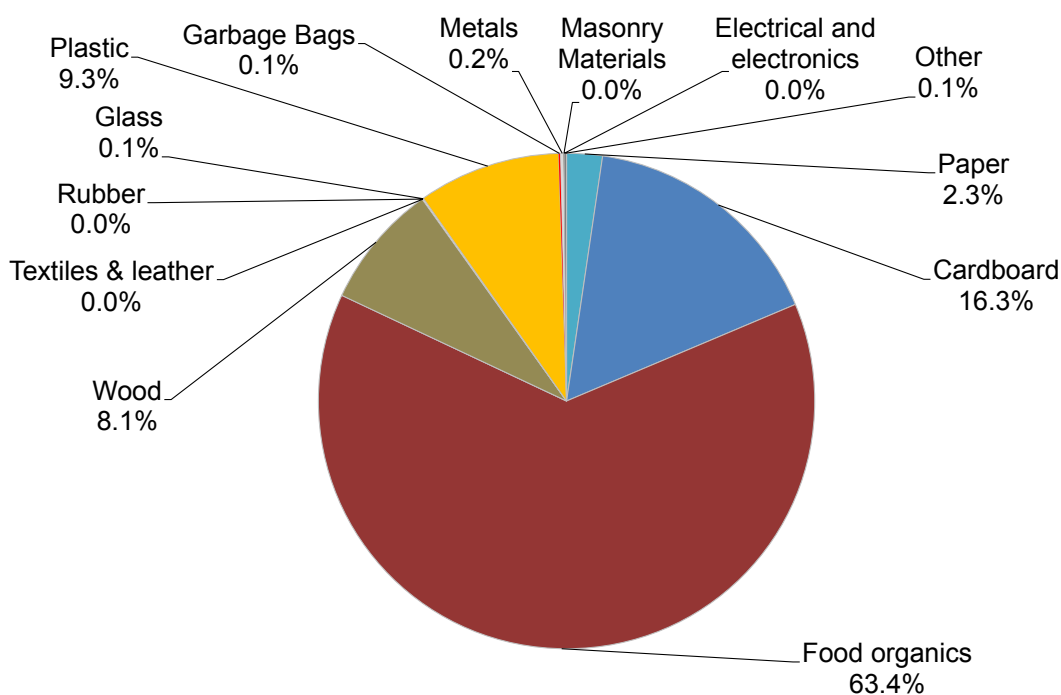
### 3.3.3 F – Wholesale Trade

#### 3.3.3.1 F – Wholesale Trade Waste Streams Overall Composition

**Table 75: F– Wholesale Trade Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	568.6	99.8%	1.3	0.2%	569.8
Cardboard	1868.4	46.9%	2114.6	53.1%	3983
Food organics	2497	16.1%	13,000	83.9%	15,497
Garden Organics	NA	NA	NA	NA	NA
Wood	488.3	24.6%	1500	75.4%	1988.3
Textiles & leather	4.6	100%	NA	NA	4.6
Rubber	3.1	100%	NA	NA	3.1
Glass	12.5	97.9%	0.3	2.1%	12.8
Plastic	1893.4	83.6%	371.4	16.4%	2264.8
Garbage Bags	31.5	100%	NA	NA	31.5
Metals	46.8	95.5%	2.2	4.5%	49.1
Masonry Materials	11	100%	NA	NA	11
Electrical and electronics	NA	NA	NA	NA	NA
Other	33.5	100%	NA	NA	33.5
<b>Total</b>	<b>7458.8</b>	<b>30.5%</b>	<b>16,989.8</b>	<b>69.5%</b>	<b>24,448.6</b>

**Figure 11: F – Wholesale Trade Streams Overall Composition**



**Table 76: F- Wholesale Trade Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	567	100%	NA	NA	567
Cardboard	1861.5	46.9%	2104.9	53.1%	3966.4
Food organics	2494.2	16.1%	13,000	83.9%	15,494.2
Garden Organics	NA	NA	NA	NA	NA
Wood	450.3	23.1%	1500	76.9%	1950.3
Textiles & leather	4.2	100%	NA	NA	4.2
Rubber	3.1	100%	NA	NA	3.1
Glass	4.6	100%	NA	NA	4.6
Plastic	1823.9	83.2%	369.2	16.8%	2193.2
Garbage Bags	31.5	100%	NA	NA	31.5
Metals	29.3	100%	NA	NA	29.3
Masonry Materials	11	100%	NA	NA	11
Electrical and electronics	NA	NA	NA	NA	NA
Other	33.5	100%	NA	NA	33.5
<b>Total</b>	<b>7314.1</b>	<b>30.1%</b>	<b>16,974.2</b>	<b>69.9%</b>	<b>24,288.3</b>

**Table 77: F- Wholesale Trade Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	1.5	54.2%	1.3	45.8%	2.8
Cardboard	6.9	41.6%	9.7	58.4%	16.6
Food organics	2.8	100%	NA	NA	2.8
Garden Organics	NA	NA	NA	NA	NA
Wood	38.1	100%	NA	NA	38.1
Textiles & leather	0.4	100%	NA	NA	0.4
Rubber	NA	NA	NA	NA	NA
Glass	8	96.8%	0.3	3.2%	8.2
Plastic	69.5	97%	2.1	3%	71.6
Garbage Bags	NA	NA	NA	NA	NA
Metals	17.5	88.8%	2.2	11.2%	19.8
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>144.7</b>	<b>90.3%</b>	<b>15.6</b>	<b>9.7%</b>	<b>160.3</b>

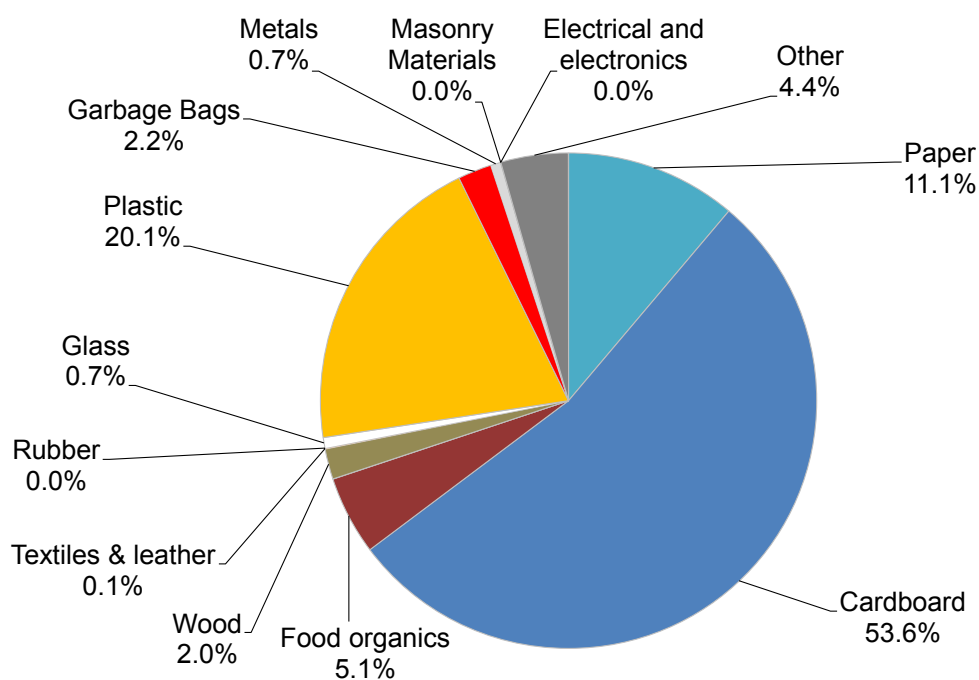
### 3.3.4 G – Retail Trade Overall

#### 3.3.4.1 G – Retail Trade Waste Streams Overall Composition

**Table 78: G – Retail Trade Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	111.2	68.5%	51.1	31.5%	162.3
Cardboard	55.7	7%	737.4	93%	793.1
Food organics	80.9	93.5%	5.6	6.5%	86.5
Garden Organics	0.5	100%	0	0%	0.5
Wood	31.9	100%	0	0%	31.9
Textiles & leather	1	100%	0	0%	1
Rubber	NA	NA	NA	NA	NA
Glass	41.2	88%	5.6	12%	46.8
Plastic	141.4	45.8%	167.4	54.2%	308.8
Garbage Bags	25	100%	NA	NA	25
Metals	12.5	94.4%	0.7	5.6%	13.3
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	51.7	100%	NA	NA	51.7
<b>Total</b>	<b>552.9</b>	<b>36.4%</b>	<b>967.9</b>	<b>63.6%</b>	<b>1520.9</b>

**Figure 12: G – Retail Trade Streams Overall Composition**



**Table 79: G – Retail Trade Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	96.6	76%	30.5	24%	127.1
Cardboard	32.2	5.3%	578.8	94.7%	611.1
Food organics	52.9	90.4%	5.6	9.6%	58.5
Garden Organics	0.2	100%	NA	NA	0.2
Wood	22.5	100%	NA	NA	22.5
Textiles & leather	0.8	100%	NA	NA	0.8
Rubber	NA	NA	NA	NA	NA
Glass	5.7	73.3%	2.1	26.7%	7.7
Plastic	92.6	40.4%	136.8	59.6%	229.4
Garbage Bags	25	100%	NA	NA	25
Metals	7	91.4%	0.7	8.6%	7.7
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	50.2	100%	NA	NA	50.2
<b>Total</b>	<b>385.7</b>	<b>33.8%</b>	<b>754.4</b>	<b>66.2%</b>	<b>1140.2</b>

**Table 80: F– Wholesale Trade Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	14.6	41.3%	20.7	58.7%	35.2
Cardboard	23.5	12.9%	158.6	87.1%	182
Food organics	28	100%	NA	NA	28
Garden Organics	0.3	100%	NA	NA	0.3
Wood	9.4	100%	NA	NA	9.4
Textiles & leather	0.2	100%	NA	NA	0.2
Rubber	NA	NA	NA	NA	NA
Glass	35.5	90.9%	3.5	9.1%	39
Plastic	48.8	61.4%	30.6	38.6%	79.4
Garbage Bags	NA	NA	NA	NA	NA
Metals	5.5	98.5%	0.1	1.5%	5.6
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	1.5	100%	NA	NA	1.5
<b>Total</b>	<b>167.2</b>	<b>43.9%</b>	<b>213.5</b>	<b>56.1%</b>	<b>380.7</b>

### 3.3.4.2 G41 – Food Retailing Waste Streams Overall Composition

**Table 81: G41 – Food Retailing Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	49	98%	1	2%	50
Cardboard	15.5	21.8%	55.6	78.2%	71.1
Food organics	75.5	93.1%	5.6	6.9%	81.1
Garden Organics	0.2	100%	NA	NA	0.2
Wood	2.1	100%	NA	NA	2.1
Textiles & leather	0.1	100%	NA	NA	0.1
Rubber	NA	NA	NA	NA	NA
Glass	33.7	88.4%	4.4	11.6%	38.1
Plastic	47.7	97.1%	1.4	2.9%	49.1
Garbage Bags	0.6	100%	NA	NA	0.6
Metals	4.1	89.4%	0.5	10.6%	4.6
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	3	100%	NA	NA	3
<b>Total</b>	<b>231.5</b>	<b>77.2%</b>	<b>68.6</b>	<b>22.8%</b>	<b>300.1</b>

**Table 82: G41 – Food Retailing Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	43.6	98%	0.9	2%	44.5
Cardboard	9.5	16.7%	47.3	83.3%	56.8
Food organics	47.8	89.5%	5.6	10.5%	53.4
Garden Organics	0.2	100%	NA	NA	0.2
Wood	NA	NA	NA	NA	NA
Textiles & leather	0.1	100%	NA	NA	0.1
Rubber	NA	NA	NA	NA	NA
Glass	NA	NA	0.9	100%	0.9
Plastic	34.1	97.3%	0.9	2.7%	35
Garbage Bags	0.6	100%	NA	NA	0.6
Metals	1.5	78.3%	0.4	21.7%	1.9
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	3	100%	NA	NA	3
<b>Total</b>	<b>140.4</b>	<b>71.5%</b>	<b>56.1</b>	<b>28.5%</b>	<b>196.5</b>

**Table 83: G41 – Food Retailing Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	5.4	98%	0.1	2%	5.5
Cardboard	6	41.9%	8.3	58.1%	14.2
Food organics	27.7	100%	NA	NA	27.7
Garden Organics	NA	NA	NA	NA	NA
Wood	2.1	100%	NA	NA	2.1
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	33.7	90.5%	3.5	9.5%	37.2
Plastic	13.6	96.5%	0.5	3.5%	14.1
Garbage Bags	NA	NA	NA	NA	NA
Metals	2.7	96.9%	0.1	3.1%	2.7
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>91.1</b>	<b>87.9%</b>	<b>12.5</b>	<b>12.1%</b>	<b>103.6</b>

**3.3.4.3 G42 – Other Store-Based Retailing Waste Streams Overall Composition****Table 84: G42 – Other Store-Based Retailing Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	62.2	55.4%	50.1	44.6%	112.3
Cardboard	40.2	5.6%	681.8	94.4%	722
Food organics	5.4	100%	NA	NA	5.4
Garden Organics	0.3	100%	NA	NA	0.3
Wood	29.8	100%	NA	NA	29.8
Textiles & leather	0.9	100%	NA	NA	0.9
Rubber	NA	NA	NA	NA	NA
Glass	7.5	86.2%	1.2	13.8%	8.6
Plastic	93.7	36.1%	166	63.9%	259.7
Garbage Bags	24.4	100%	NA	NA	24.4
Metals	8.4	97.1%	0.3	2.9%	8.6
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	48.7	100%	NA	NA	48.7
<b>Total</b>	<b>321.4</b>	<b>26.3%</b>	<b>899.4</b>	<b>73.7%</b>	<b>1220.8</b>

**Table 85: G41 – Food Retailing Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	53	64.2%	29.6	35.8%	82.5
Cardboard	22.7	4.1%	531.5	95.9%	554.2
Food organics	5.1	100%	NA	NA	5.1
Garden Organics	NA	NA	NA	NA	NA
Wood	22.5	100%	NA	NA	22.5
Textiles & leather	0.7	100%	NA	NA	0.7
Rubber	NA	NA	NA	NA	NA
Glass	5.7	82.7%	1.2	17.3%	6.9
Plastic	58.5	30.1%	135.8	69.9%	194.4
Garbage Bags	24.4	100%	NA	NA	24.4
Metals	5.5	95.6%	0.3	4.4%	5.8
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	47.2	100%	NA	NA	47.2
<b>Total</b>	<b>245.3</b>	<b>26%</b>	<b>698.4</b>	<b>74%</b>	<b>943.7</b>

**Table 86: G42 – Other Store-Based Retailing Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	9.2	30.9%	20.6	69.1%	29.8
Cardboard	17.5	10.4%	150.3	89.6%	167.8
Food organics	0.3	100%	NA	NA	0.3
Garden Organics	0.3	100%	NA	NA	0.3
Wood	7.3	100%	NA	NA	7.3
Textiles & leather	0.2	100%	NA	NA	0.2
Rubber	NA	NA	NA	NA	NA
Glass	1.8	100%	NA	NA	1.8
Plastic	35.2	53.9%	30.1	46.1%	65.3
Garbage Bags	NA	NA	NA	NA	NA
Metals	2.9	100%	NA	NA	2.9
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	1.5	100%	NA	NA	1.5
<b>Total</b>	<b>76.1</b>	<b>27.5%</b>	<b>201</b>	<b>72.5%</b>	<b>277.1</b>

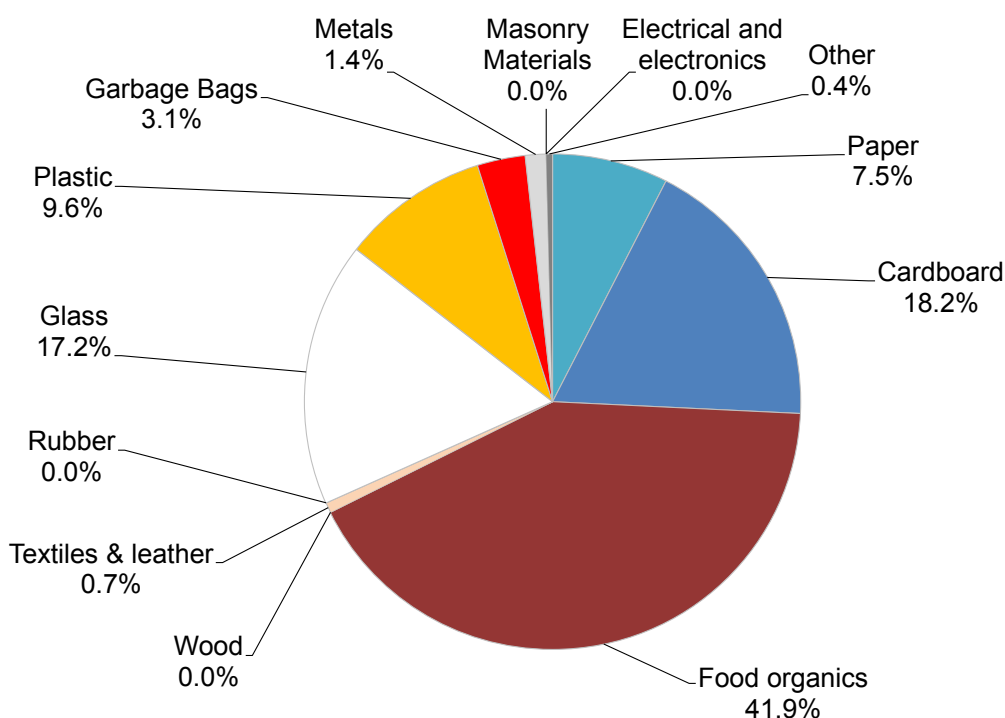
### 3.3.5 H – Accommodation and Food Services

#### 3.3.5.1 H – Accommodation and Food Services Waste Streams Overall Composition

**Table 87: H – Accommodation and Food Services Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	339.4	65.8%	176.5	34.2%	515.9
Cardboard	437.8	35.1%	808.5	64.9%	1246.4
Food organics	2138.1	74.6%	728.2	25.4%	2866.3
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	45.6	100%	NA	NA	45.6
Rubber	NA	NA	NA	NA	NA
Glass	193.8	16.5%	984	83.5%	1177.8
Plastic	577.1	87.8%	79.9	12.2%	656.9
Garbage Bags	213.6	100%	NA	NA	213.6
Metals	74.7	80.3%	18.4	19.7%	93.1
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	27.6	100%	NA	NA	27.6
<b>Total</b>	<b>4047.7</b>	<b>59.1%</b>	<b>2795.5</b>	<b>40.9%</b>	<b>6843.2</b>

**Figure 13: H – Accommodation and Food Services Waste Streams Overall Composition**





**Table 88: H – Accommodation and Food Services Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	325.1	65.6%	170.2	34.4%	495.4
Cardboard	413.6	34.7%	778.1	65.3%	1191.7
Food organics	1997.3	73.4%	722.5	26.6%	2719.8
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	45.6	100%	NA	NA	45.6
Rubber	NA	NA	NA	NA	NA
Glass	155.4	14.6%	906.4	85.4%	1061.8
Plastic	520.9	89.5%	61.1	10.5%	582.1
Garbage Bags	213.6	100%	NA	NA	213.6
Metals	63.1	81.2%	14.6	18.8%	77.7
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	27.6	100%	NA	NA	27.6
<b>Total</b>	<b>3762.3</b>	<b>58.6%</b>	<b>2652.9</b>	<b>41.4%</b>	<b>6415.2</b>

**Table 89: H – Accommodation and Food Services Waste Streams Overall Composition - ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	14.3	69.5%	6.3	30.5%	20.6
Cardboard	24.2	44.2%	30.5	55.8%	54.7
Food organics	140.8	96.1%	5.7	3.9%	146.4
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	38.5	33.1%	77.6	66.9%	116.1
Plastic	56.1	75%	18.8	25%	74.9
Garbage Bags	NA	NA	NA	NA	NA
Metals	11.6	75.3%	3.8	24.7%	15.4
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>285.4</b>	<b>66.7%</b>	<b>142.6</b>	<b>33.3%</b>	<b>428</b>

### 3.3.5.2 H44 – Accommodation Waste Streams Overall Composition

**Table 90: H44 – Accommodation Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	289.8	62.3%	175.4	37.7%	465.2
Cardboard	413.5	36.6%	715.2	63.4%	1128.6
Food organics	1719.3	70.9%	704.1	29.1%	2423.4
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	45.6	100%	NA	NA	45.6
Rubber	NA	NA	NA	NA	NA
Glass	155.1	14.5%	916.2	85.5%	1071.3
Plastic	497.5	88.2%	66.6	11.8%	564.1
Garbage Bags	204.5	100%	NA	NA	204.5
Metals	63.7	80.4%	15.5	19.6%	79.2
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	15.7	100%	NA	NA	15.7
<b>Total</b>	<b>3404.5</b>	<b>56.8%</b>	<b>2593</b>	<b>43.2%</b>	<b>5997.5</b>

**Table 91: H44 – Accommodation Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	284.2	62.5%	170.2	37.5%	454.4
Cardboard	410.1	37.1%	694.1	62.9%	1104.2
Food organics	1701.5	70.9%	698.4	29.1%	2399.9
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	45.6	100%	NA	NA	45.6
Rubber	NA	NA	NA	NA	NA
Glass	142.7	13.6%	905.2	86.4%	1047.9
Plastic	485.1	88.8%	61.1	11.2%	546.1
Garbage Bags	204.5	100%	NA	NA	204.5
Metals	61.9	80.9%	14.6	19.1%	76.5
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	15.7	100%	NA	NA	15.7
<b>Total</b>	<b>3351.3</b>	<b>56.9%</b>	<b>2543.5</b>	<b>43.1%</b>	<b>5894.8</b>

**Table 92: H44 – Accommodation Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	5.6	52.1%	5.2	47.9%	10.8
Cardboard	3.4	13.7%	21.1	86.3%	24.5
Food organics	17.8	75.8%	5.7	24.2%	23.5
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	12.3	52.7%	11.1	47.3%	23.4
Plastic	12.4	69%	5.6	31%	17.9
Garbage Bags	NA	NA	NA	NA	NA
Metals	1.7	65.2%	0.9	34.8%	2.7
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>53.2</b>	<b>51.8%</b>	<b>49.5</b>	<b>48.2%</b>	<b>102.7</b>

**3.3.5.3 H45 – Food and Beverages Services Waste Streams Overall Composition****Table 93: H45 – Food and Beverage Services Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	49.7	97.8%	1.1	2.2%	50.8
Cardboard	24.4	20.7%	93.4	79.3%	117.7
Food organics	418.8	94.6%	24.1	5.4%	442.9
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	38.8	36.4%	67.8	63.6%	106.5
Plastic	79.6	85.7%	13.2	14.3%	92.9
Garbage Bags	9.1	100%	NA	NA	9.1
Metals	11	79.4%	2.9	20.6%	13.9
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	11.8	100%	NA	NA	11.8
<b>Total</b>	<b>643.3</b>	<b>76.1%</b>	<b>202.4</b>	<b>23.9%</b>	<b>845.7</b>

**Table 94: H45 – Food and Beverage Services Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	41	100%	0	0%	41
Cardboard	3.5	4%	84	96%	87.5
Food organics	295.9	92.5%	24.1	7.5%	320
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	12.6	91.2%	1.2	8.8%	13.9
Plastic	35.9	99.9%	0	0.1%	35.9
Garbage Bags	9.1	100%	NA	NA	9.1
Metals	1.2	100%	NA	NA	1.2
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	11.8	100%	NA	NA	11.8
<b>Total</b>	<b>411.1</b>	<b>79%</b>	<b>109.3</b>	<b>21%</b>	<b>520.4</b>

**Table 95: H45 – Food and Beverage Services Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	8.7	88.5%	1.1	11.5%	9.8
Cardboard	20.8	69%	9.4	31%	30.2
Food organics	122.9	100%	0	0%	122.9
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	NA	NA	NA	NA	NA
Rubber	NA	NA	NA	NA	NA
Glass	26.1	28.2%	66.5	71.8%	92.7
Plastic	43.8	76.8%	13.2	23.2%	57
Garbage Bags	NA	NA	NA	NA	NA
Metals	9.8	77.4%	2.9	22.6%	12.7
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>232.2</b>	<b>71.4%</b>	<b>93.1</b>	<b>28.6%</b>	<b>325.3</b>

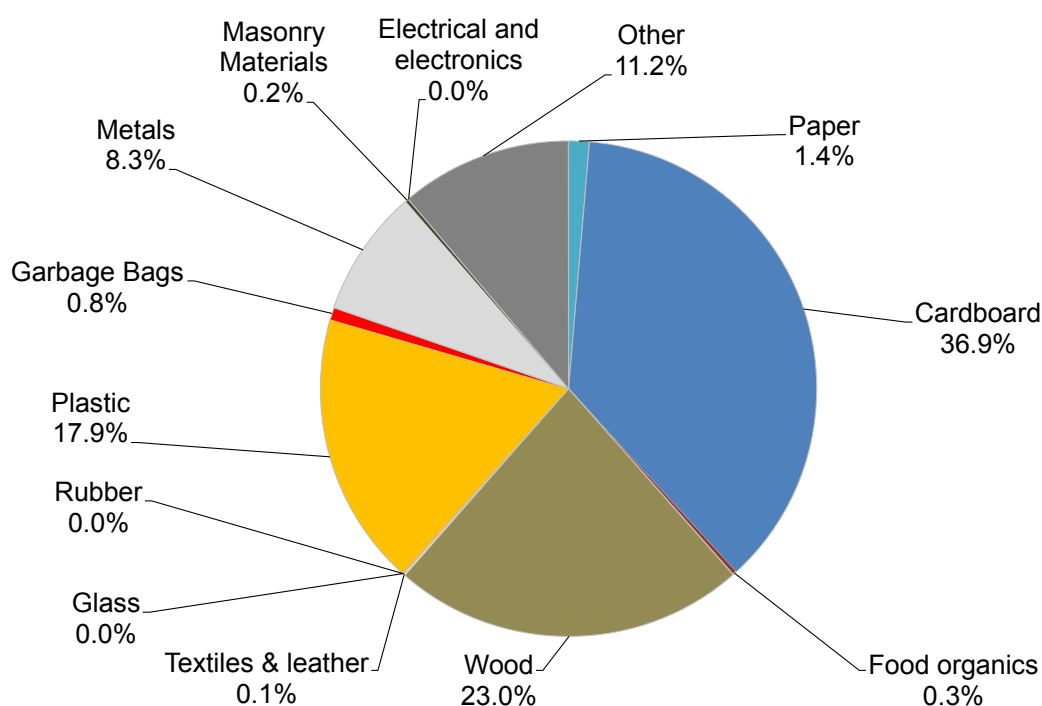
### 3.3.6 I – Transport, Postal & Warehousing

#### 3.3.6.1 I – Transport, Postal & Warehousing Waste Streams Overall Composition

**Table 96: I – Transport, Postal & Warehousing Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	25	92%	2.2	8%	27.2
Cardboard	131.6	17.7%	610.2	82.3%	741.8
Food organics	5.1	100%	NA	NA	5.1
Garden Organics	NA	NA	NA	NA	NA
Wood	386.7	83.6%	75.6	16.4%	462.3
Textiles & leather	2.4	100%	NA	NA	2.4
Rubber	NA	NA	NA	NA	NA
Glass	NA	NA	0.8	100%	0.8
Plastic	227	63%	133.2	37%	360.2
Garbage Bags	15.6	99.1%	0.1	0.9%	15.8
Metals	23.4	14%	144.3	86%	167.7
Masonry Materials	4.3	100%	NA	NA	4.3
Electrical and electronics	NA	NA	NA	NA	NA
Other	224.3	99.9%	0.1	0.1%	224.4
<b>Total</b>	<b>1044.9</b>	<b>51.9%</b>	<b>966.5</b>	<b>48.1%</b>	<b>2011.4</b>

**Figure 14: I – Transport, Postal & Warehousing Waste Streams Overall Composition**



**Table 97: I – Transport, Postal & Warehousing Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	24.5	92.2%	2.1	7.8%	26.5
Cardboard	130.6	17.7%	606.1	82.3%	736.8
Food organics	5	100%	NA	NA	5
Garden Organics	NA	NA	NA	NA	NA
Wood	384.4	83.6%	75.6	16.4%	460
Textiles & leather	2.2	100%	NA	NA	2.2
Rubber	NA	NA	NA	NA	NA
Glass	NA	NA	0.5	100%	0.5
Plastic	225.5	63%	132.7	37%	358.2
Garbage Bags	15.6	99.1%	0.1	0.9%	15.8
Metals	23.4	14%	144.3	86%	167.7
Masonry Materials	4.3	100%	NA	NA	4.3
Electrical and electronics	NA	NA	NA	NA	NA
Other	224.3	99.9%	0.1	0.1%	224.4
<b>Total</b>	<b>1039.8</b>	<b>52%</b>	<b>961.6</b>	<b>48%</b>	<b>2001.4</b>

**Table 98: I – Transport, Postal & Warehousing Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	0.6	84.7%	0.1	15.3%	0.7
Cardboard	1	19.4%	4	80.6%	5
Food organics	0.2	100%	NA	NA	0.2
Garden Organics	NA	NA	NA	NA	NA
Wood	2.3	100%	NA	NA	2.3
Textiles & leather	0.1	100%	NA	NA	0.1
Rubber	NA	NA	NA	NA	NA
Glass	NA	NA	0.3	100%	0.3
Plastic	1.5	74.3%	0.5	25.7%	2
Garbage Bags	NA	NA	NA	NA	NA
Metals	NA	NA	0	100%	0
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>5.6</b>	<b>53.1%</b>	<b>5</b>	<b>46.9%</b>	<b>10.6</b>

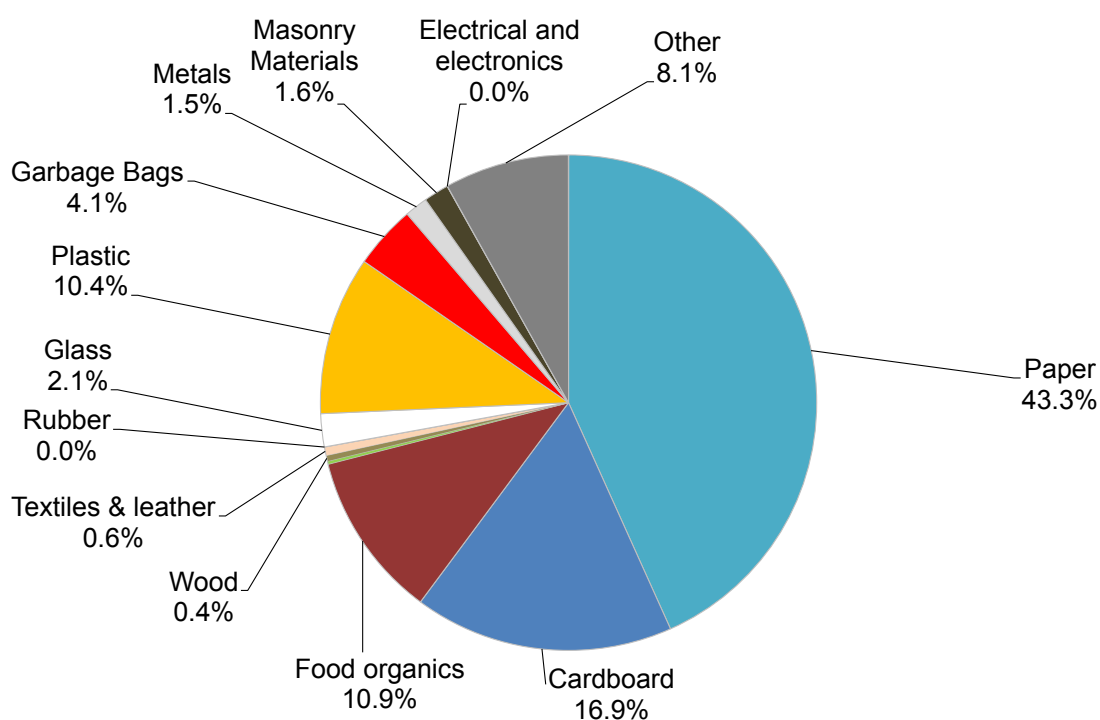
### 3.3.7 J-O – Office Based Industries

#### 3.3.7.1 J-O – Office Based Industries Waste Streams Overall Composition

**Table 99: J-O – Office Based Industries Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	129.4	18.6%	566	81.4%	695.4
Cardboard	26.2	9.6%	245.3	90.4%	271.5
Food organics	162	92.8%	12.5	7.2%	174.6
Garden Organics	3.1	100%	NA	NA	3.1
Wood	6	100%	NA	NA	6
Textiles & leather	8.9	100%	NA	NA	8.9
Rubber	0.2	100%	NA	NA	0.2
Glass	18.9	54.9%	15.5	45.1%	34.4
Plastic	124.6	74.9%	41.8	25.1%	166.4
Garbage Bags	58.5	88.5%	7.6	11.5%	66.1
Metals	12.6	52.2%	11.5	47.8%	24.1
Masonry Materials	26.2	100%	NA	NA	26.2
Electrical and electronics	NA	NA	NA	NA	NA
Other	109.7	84%	20.8	16%	130.5
<b>Total</b>	<b>686.4</b>	<b>42.7%</b>	<b>921</b>	<b>57.3%</b>	<b>1607.4</b>

**Figure 15: J-O – Office Based Industries Waste Streams Overall Composition**



**Table 100: J-O – Office Based Industries Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	110.8	16.4%	562.9	83.6%	673.7
Cardboard	20.8	8.2%	233.3	91.8%	254.1
Food organics	140.6	92%	12.2	8%	152.8
Garden Organics	NA	NA	NA	NA	NA
Wood	2.1	100%	NA	NA	2.1
Textiles & leather	6.6	100%	NA	NA	6.6
Rubber	0.2	100%	NA	NA	0.2
Glass	5.1	29.6%	12.2	70.4%	17.4
Plastic	99.6	72%	38.7	28%	138.3
Garbage Bags	58.5	88.5%	7.6	11.5%	66.1
Metals	7.7	87.8%	1.1	12.2%	8.8
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	109.7	84%	20.8	16%	130.5
<b>Total</b>	<b>561.8</b>	<b>38.7%</b>	<b>888.8</b>	<b>61.3%</b>	<b>1450.6</b>

**Table 101: J-O – Office Based Industries Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	18.6	85.7%	3.1	14.3%	21.7
Cardboard	5.4	30.9%	12	69.1%	17.4
Food organics	21.4	98.5%	0.3	1.5%	21.8
Garden Organics	3.1	100%	NA	NA	3.1
Wood	3.9	100%	NA	NA	3.9
Textiles & leather	2.3	100%	NA	NA	2.3
Rubber	NA	NA	NA	NA	NA
Glass	13.8	80.8%	3.3	19.2%	17
Plastic	25.1	89.1%	3.1	10.9%	28.1
Garbage Bags	NA	NA	NA	NA	NA
Metals	4.8	31.7%	10.4	68.3%	15.3
Masonry Materials	26.2	100%	NA	NA	26.2
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>124.6</b>	<b>79.5%</b>	<b>32.2</b>	<b>20.5%</b>	<b>156.8</b>



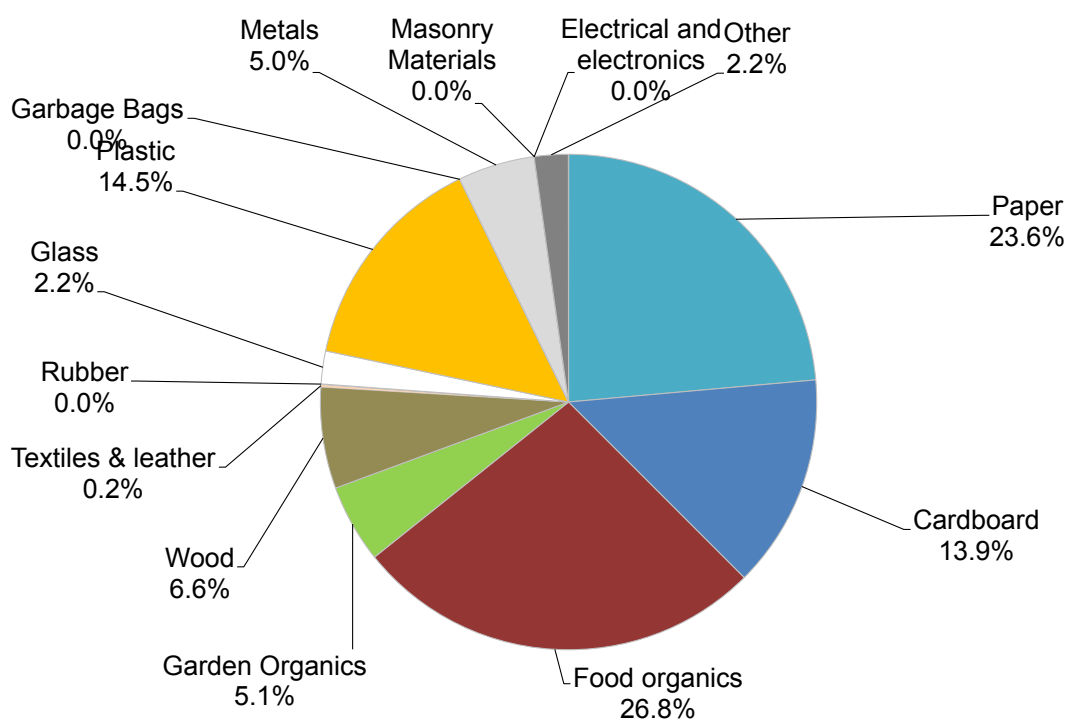
### 3.3.8 P – Education and Training

#### 3.3.8.1 P – Education and Training Waste Streams Overall Composition

**Table 102: P – Education and Training Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	40.3	47.7%	44.3	52.3%	84.6
Cardboard	18.6	37.1%	31.4	62.9%	50
Food organics	96	100%	NA	NA	96
Garden Organics	18.3	100%	NA	NA	18.3
Wood	23.7	100%	NA	NA	23.7
Textiles & leather	0.6	100%	NA	NA	0.6
Rubber	0.1	100%	NA	NA	0.1
Glass	7.7	100%	NA	NA	7.7
Plastic	50.4	97.1%	1.5	2.9%	51.9
Garbage Bags	NA	NA	NA	NA	NA
Metals	8.2	45.8%	9.7	54.2%	18
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	7.9	100%	NA	NA	7.9
<b>Total</b>	<b>271.9</b>	<b>75.8%</b>	<b>86.9</b>	<b>24.2%</b>	<b>358.8</b>

**Figure 16: P – Education and Training Waste Streams Overall Composition**



**Table 103: P – Education and Training Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	32.5	43.7%	41.9	56.3%	74.4
Cardboard	16.8	54.8%	13.9	45.2%	30.6
Food organics	54	100%	NA	NA	54
Garden Organics	10.5	100%	NA	NA	10.5
Wood	22.3	100%	NA	NA	22.3
Textiles & leather	0.1	100%	NA	NA	0.1
Rubber	0.1	100%	NA	NA	0.1
Glass	6.4	100%	NA	NA	6.4
Plastic	44.5	100%	NA	NA	44.5
Garbage Bags	NA	NA	NA	NA	NA
Metals	7.7	44%	9.7	56%	17.4
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	3.5	100%	NA	NA	3.5
<b>Total</b>	<b>198.4</b>	<b>75.2%</b>	<b>65.5</b>	<b>24.8%</b>	<b>263.9</b>

**Table 104: P – Education and Training Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	7.8	77%	2.3	23%	10.2
Cardboard	1.8	9.2%	17.6	90.8%	19.3
Food organics	42	100%	NA	NA	42
Garden Organics	7.8	100%	NA	NA	7.8
Wood	1.5	100%	NA	NA	1.5
Textiles & leather	0.4	100%	NA	NA	0.4
Rubber	NA	NA	NA	NA	NA
Glass	1.3	100%	NA	NA	1.3
Plastic	5.9	79.9%	1.5	20.1%	7.4
Garbage Bags	NA	NA	NA	NA	NA
Metals	0.6	100%	NA	NA	0.6
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	4.5	100%	NA	NA	4.5
<b>Total</b>	<b>73.5</b>	<b>77.4%</b>	<b>21.4</b>	<b>22.6%</b>	<b>94.9</b>

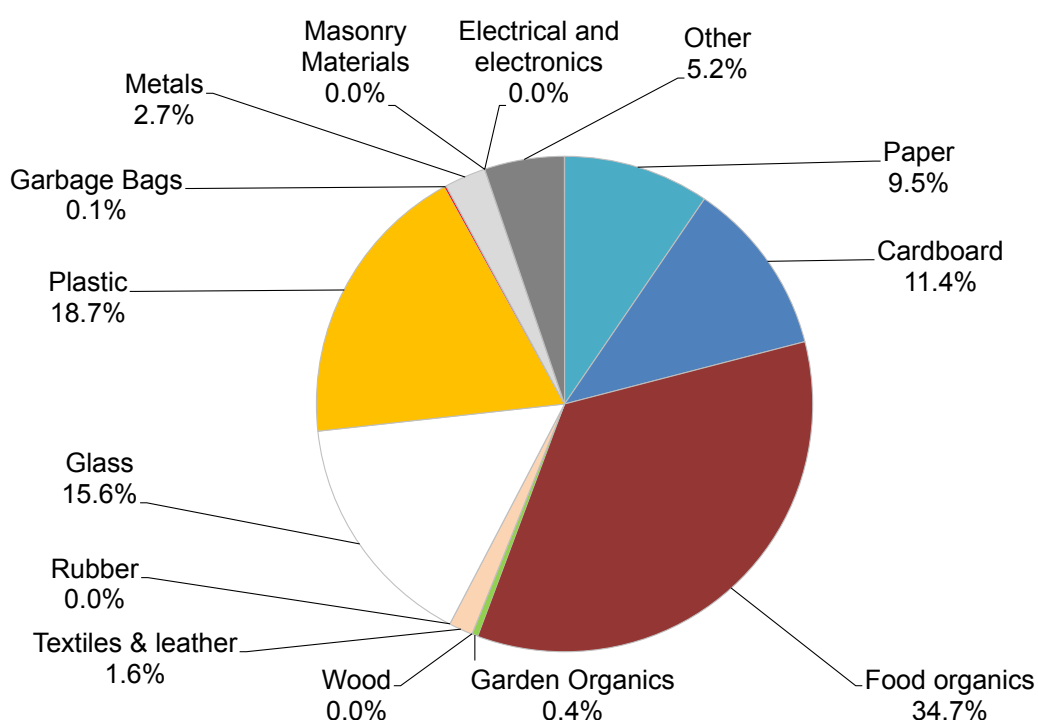
### 3.3.9 Q – Health Care and Social Assistance

#### 3.3.9.1 Q – Healthcare and Social Assistance Waste Streams Overall Composition

**Table 105: Q – Healthcare and Social Assistance Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	243.4	89%	30.2	11%	273.7
Cardboard	134.4	40.9%	194.5	59.1%	328.9
Food organics	889.6	89%	109.9	11%	999.5
Garden Organics	11.4	100%	NA	NA	11.4
Wood	NA	NA	NA	NA	NA
Textiles & leather	44.8	100%	NA	NA	44.8
Rubber	0.3	100%	NA	NA	0.3
Glass	409.5	91.2%	39.4	8.8%	448.9
Plastic	514.3	95.4%	24.6	4.6%	538.9
Garbage Bags	3.1	100%	NA	NA	3.1
Metals	65.8	84.6%	12	15.4%	77.8
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	149.9	100%	NA	NA	149.9
<b>Total</b>	<b>2466.7</b>	<b>85.7%</b>	<b>410.6</b>	<b>14.3%</b>	<b>2877.2</b>

**Figure 17: Q – Healthcare and Social Assistance Waste Streams Overall Composition**



**Table 106: Q – Healthcare and Social Assistance Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	112	81.5%	25.4	18.5%	137.4
Cardboard	69.4	44.1%	88	55.9%	157.4
Food organics	447	100%	NA	NA	447
Garden Organics	NA	NA	NA	NA	NA
Wood	NA	NA	NA	NA	NA
Textiles & leather	29.5	100%	NA	NA	29.5
Rubber	0.3	100%	NA	NA	0.3
Glass	89.6	71%	36.6	29%	126.3
Plastic	211.8	91.4%	20	8.6%	231.8
Garbage Bags	3.1	100%	NA	NA	3.1
Metals	12.6	79.4%	3.3	20.6%	15.9
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	69.8	100%	NA	NA	69.8
<b>Total</b>	<b>1045.1</b>	<b>85.8%</b>	<b>173.3</b>	<b>14.2%</b>	<b>1218.4</b>

**Table 107: Q – Healthcare and Social Assistance Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	131.4	96.4%	4.9	3.6%	136.3
Cardboard	65.1	37.9%	106.5	62.1%	171.6
Food organics	442.6	80.1%	109.9	19.9%	552.5
Garden Organics	11.4	100%	NA	NA	11.4
Wood	NA	NA	NA	NA	NA
Textiles & leather	15.3	100%	NA	NA	15.3
Rubber	NA	NA	NA	NA	NA
Glass	319.9	99.2%	2.7	0.8%	322.6
Plastic	302.6	98.5%	4.6	1.5%	307.1
Garbage Bags	NA	NA	NA	NA	NA
Metals	53.2	85.9%	8.7	14.1%	61.9
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	80.2	100%	NA	NA	80.2
<b>Total</b>	<b>1421.5</b>	<b>85.7%</b>	<b>237.3</b>	<b>14.3%</b>	<b>1658.8</b>

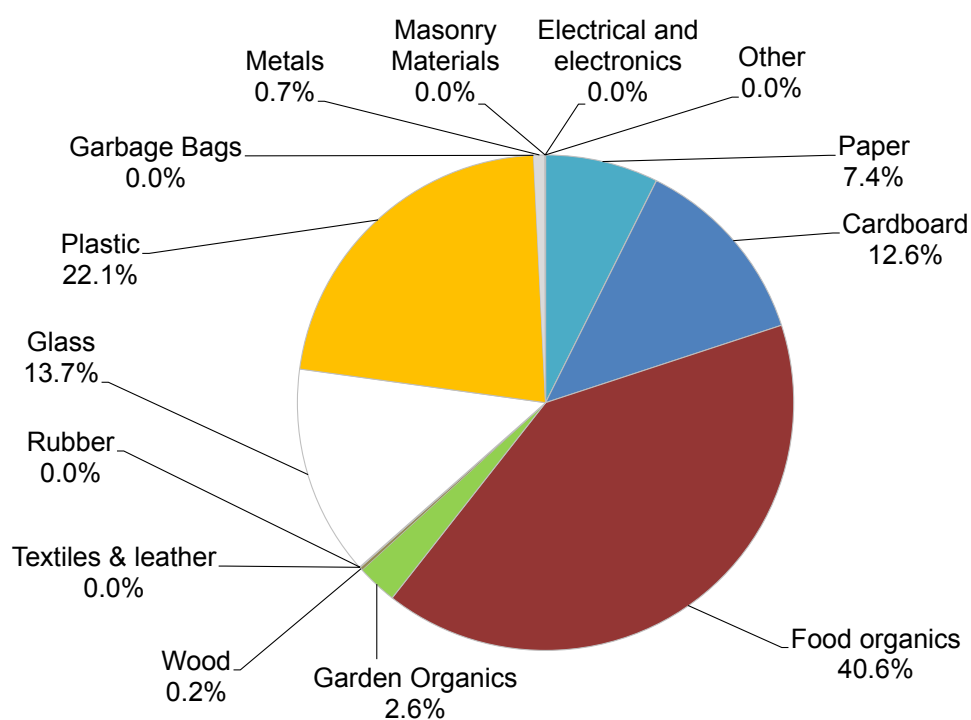
### 3.3.10 R – Arts & Recreation Services

#### 3.3.10.1 R – Arts & Recreation Services Waste Streams Overall Composition

**Table 108: R – Arts & Recreation Services Waste Streams Overall Composition – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	125.2	93.8%	8.3	6.2%	133.5
Cardboard	108.1	47.4%	120.2	52.6%	228.3
Food organics	726.2	98.5%	11	1.5%	737.2
Garden Organics	47.9	100%	NA	NA	47.9
Wood	3.4	100%	NA	NA	3.4
Textiles & leather	0.4	100%	NA	NA	0.4
Rubber	0.3	100%	NA	NA	0.3
Glass	158.2	63.6%	90.7	36.4%	248.9
Plastic	368.7	92.2%	31.4	7.8%	400
Garbage Bags	NA	NA	NA	NA	NA
Metals	9.3	68.9%	4.2	31.1%	13.5
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	0.5	100%	NA	NA	0.5
<b>Total</b>	<b>1548.1</b>	<b>85.3%</b>	<b>265.8</b>	<b>14.7%</b>	<b>1813.9</b>

**Figure 18: R– Arts & Recreation Services Waste Streams Overall Composition**



**Table 109: R – Arts & Recreation Services Waste Streams Overall Composition – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	109.3	94.3%	6.7	5.7%	115.9
Cardboard	101.1	49.9%	101.6	50.1%	202.7
Food organics	694.3	98.7%	8.8	1.3%	703.1
Garden Organics	47.9	100%	NA	NA	47.9
Wood	2.8	100%	NA	NA	2.8
Textiles & leather	0.4	100%	NA	NA	0.4
Rubber	0.3	100%	NA	NA	0.3
Glass	144.1	66.8%	71.5	33.2%	215.6
Plastic	351.9	92.5%	28.7	7.5%	380.6
Garbage Bags	NA	NA	NA	NA	NA
Metals	6.5	63.5%	3.7	36.5%	10.2
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	0.5	100%	NA	NA	0.5
<b>Total</b>	<b>1459</b>	<b>86.8%</b>	<b>221</b>	<b>13.2%</b>	<b>1680</b>

**Table 110: R – Arts & Recreation Services Waste Streams Overall Composition – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Paper	15.9	90.5%	1.7	9.5%	17.6
Cardboard	7	27.3%	18.6	72.7%	25.6
Food organics	31.9	93.7%	2.2	6.3%	34
Garden Organics	NA	NA	NA	NA	NA
Wood	0.6	100%	NA	NA	0.6
Textiles & leather	0	100%	NA	NA	0
Rubber	NA	NA	NA	NA	NA
Glass	14.1	42.4%	19.2	57.6%	33.3
Plastic	16.8	86.3%	2.7	13.7%	19.4
Garbage Bags	NA	NA	NA	NA	NA
Metals	2.8	86.1%	0.5	13.9%	3.3
Masonry Materials	NA	NA	NA	NA	NA
Electrical and electronics	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Total</b>	<b>89.1</b>	<b>66.5%</b>	<b>44.8</b>	<b>33.5%</b>	<b>133.9</b>

### 3.4 Issues with data such as conversion of volume to weight

No issues were identified with the data conversions apart from when using data from participating businesses (e.g., invoices showing historical volumes, waste report where available). As data for this project was gathered through visual assessment of the waste stream, potentially not all wastes may have not been identified.

In conjunction with the use of density factors identified in the audit design, use of historical data and comparisons with other similar businesses was undertaken to ensure that the conversion of volume to weight was as accurate as possible. This also necessitated an understanding of degree of compaction and whether waste was wet or dry.

### 3.5 Current systems for general waste and recyclables per Division/Sub-division

Based on the waste assessments conducted at the participating sites, the conclusion is that there is no consistency or pattern as to the systems that have been implemented for the various ANZSIC Divisions and Sub-divisions. For example, it cannot be said that all manufacturing businesses use compactors for general waste.

The main types of waste management systems used are:

- General Waste – Compactors, bins (ranging from 1.5m<sup>3</sup> to 4.5m<sup>3</sup>) and 240 litre Mobile Garbage Bin (MGB)
- Cardboard/paper – 3m<sup>3</sup> bins, compactors and balers
- Paper only systems – 240 litre MGB
- Comingled – 240 litre MGB
- Glass – 240/120 litre MGB
- Organics – 120 litre MGB
- Metals – open bins (skips)
- Soft plastic – 240 litre MGB, balers

The provision of waste/recycling management systems is dependent on the following factors:

- Area or region where the business is located
- Contractor provided equipment and availability of that equipment
- Quantities of materials generated
- Availability of diversion systems
- Costs of systems
- Collection frequencies
- Available space for bins and access for collection vehicles (including such issues as overhead wires or other similar issues)

The only conclusion that could be made about systems is that in the main, observed systems were functioning efficiently – both for the management of materials and being cost-effective for the business generating the materials.

The following table summarises the types of systems commonly used within each of the ANZSIC Divisions for both general waste and recyclables. Based on the factors listed above that influence the choice of systems, different businesses within the same division will have systems that meet their individual requirements. These factors must be recognised when advocating management approaches for increased recycling.

**Table 111: Types of systems commonly used within ANZSIC divisions**

ANZSIC Division	Stream		Typical System Limitations
	General Waste	Recycling	
C11 - Food Product Manufacturing	Compactors Front lift bins	Compactors Front lift bins Open bins MGB	Available space Costs of systems Availability of systems
Other Manufacturing	Compactors Front lift bins	Compactors Front lift bins Open bins	Available space Costs of systems Availability of systems
F - Wholesale Trade	Front lift bins	Front lift bins MGB	Available space Costs of systems Availability of systems
G41 - Food Retailing	Front lift bins	Front lift bins MGB	Available space Costs of systems Availability of systems
G42 - Other Store-Based Retailing	Front lift bins MGB	Compactors Front lift bins MGB Balers	Available space Costs of systems
H44 - Accommodation	Compactors Front lift bins MGB	Compactors Front lift bins MGB Balers	Available space Costs of systems
H45 - Food and Beverage Services	Front lift bins MGB	Front lift bins MGB Balers	Available space Costs of systems
I - Transport, Postal and Warehousing	Front lift bins MGB	Front lift bins MGB	Costs of systems
J-O - Office Based Industries	Front lift bins MGB	Front lift bins MGB	Available space
P - Education and Training	Front lift bins MGB	Front lift bins MGB	Costs of systems
Q - Health Care and Social Assistance	Compactors Front lift bins MGB	Compactors Front lift bins MGB Balers	Available space Costs of systems Availability of systems
R - Arts and Recreation Services	Front lift bins MGB	Front lift bins MGB	Available space Costs of systems



### 3.6 Bulk densities for the specific materials

This included determination of bulk densities for the following segregated material types stored in containers on site:

1. General waste
2. Paper
3. Cardboard
4. Glass bottles and jars
5. Cans – ferrous and non-ferrous
6. EPS or other plastics
7. Co-mingled recyclables

The determination of bulk densities was limited to what is stored in MGB that could be weighed on-site. In addition, where practical, some of the density factors (as contained in Appendix 7), were validated (e.g., for mattresses and metal (loose and compacted)).

The density conversion factors in Schedule 7 had been collected over a significant timeframe, and had wide acceptance in regards to its accuracy. The following table contains the additional bulk densities determined.

**Table 112: Bulk density data**

Stream	Density kg/m <sup>3</sup>
Cardboard	48.75
Comingled	61.96
General Waste	80.38
Glass	179.51
Organics	321.06
Paper	71.81
Secure Paper	154.09

The raw data for the bulk densities can be found in Appendix 2.

In using these bulk densities, it should be noted that the methodology used had the following limitations::

- The data was collected just from MGB
- This MGB density data is on a smaller sample size
- The data does not include all ANZSIC Divisions
- Information as to “degree of fill” of the MGB as well as compaction rates (or wet/dry materials), was not always available
- None of the mobile garbage bins weighed included cans only or EPS/other plastic materials only.

Table 113 compares Bulk density and Density Conversion Factors included in the NSW Government’s Waste Reduction and Purchasing Policy (WRAPP) Guidelines.

**Table 113: Bulk density data**

Stream	GSA Density kg/m <sup>3</sup>	WRAPP Density
Cardboard	48.75	50
Comingled	61.96	17
General Waste	80.38	-
Glass	179.51	-
Organics	321.06	-
Paper	71.81	240
Secure Paper	154.09	-

### 3.7 Benchmarking

Benchmarking in this report refers to waste generation per floor area, number of employees, meals served or beds in use depending on the type of business assessed.

The benchmarking measure differ for the different industry divisions and sub-divisions. For example occupied square metres is often used for office based businesses whereas units of production for manufacturing. An occupied bed day is used in hospitals where EFTE is not appropriate, but this latter unit is suitable for other service based businesses.

There are many factors that may affect waste generation. Some of these include:

- a. Seasonality/month of the year
- b. Day of the week
- c. Different work/production schedules
- d. Staff/Management attitudes
- e. Provision of staff education programs on waste management
- f. Maintenance schedules

When an attempt is made to develop benchmarks for the whole industry division and/or sub-division, the following additional factors should be addressed:

- a. Different work practices
- b. Quality assurance programs/procedures
- c. Number of employees
- d. Age and type of manufacturing equipment
- e. Types of products manufactured
- f. Rate of manufacturing
- g. Different client base
- h. Different raw materials
- i. Implementation of waste management (especially waste diversion/avoidance actions)
- j. Data from contractors if in volume may only represent the volume of the waste container collected – not the actual volume of material at the time of collection

There is also the issue of waste generators (of the same Divisions and/or Sub-divisions) receiving data in different formats. For example the same type of retail store could be charged by weight and a similar one by volume – this then makes conversions to an industry specific unit problematic.

There is no agreement currently within each industry sector as to what “unit” should be used as the basis for calculating benchmarks (e.g., staff numbers, production rates, number of products, income, guests, OBD) – all of these have issues

In this audit EFTE numbers associated with the businesses were used so that the generation rate could be “scaled up” per division and/or sub-division within the SMA and ERA. There are potentially some errors with this approach due to the reliance on businesses to accurately report on EFTE numbers.

There is also the assumption that each part-time employee represents 0.5 EFTE, regardless of actual time fraction employed per employee. This approach is used by ABS.

**Table 114: Benchmarking by ANZSIC division**

	Average Kg /m <sup>2</sup> / Day		
	Total Waste	General Waste	Recycling
C-Manufacturing	0.54	0.09	0.45
F - Wholesale Trade	0.11	0.02	0.08
G - Retail Trade	0.05	0.01	0.04
H - Accommodation and Food Services	0.5	0.23	0.26
I - Transport, Postal and Warehousing	0.04	0.02	0.02
J-O - Office Based Industries	0.02	0.01	0.01
Q - Health Care and Social Assistance	0.23	0.08	0.15

The Education and Training sector is typically benchmarked against the number of students/children and therefore the following benchmark information was obtained.

**Table 115: Benchmarking for P-Education and Training**

P - Education and Training	Average kg/student/ Day		
	Total Waste	General Waste	Recycling
University A – 2800 students	0.12	0.11	0.015
University B – 4000 students	0.05	0.038	0.010
Primary School A – 115 students	0.03	0.024	0.003
Primary School B – 235 students	0.02	0.007	0.016
Child Care Centre A – 60 children	0.004	0.003	0.001

The raw data for benchmarking can be found in Appendix 2.

The following table compares the benchmarking waste generation rates detailed in the [Better Practice Guidelines for the Waste Management and Recycling in Commercial Buildings](#) with the waste survey benchmarking data for applicable businesses only.

**Table 116: Applicable Benchmarking by Business Type in comparison to Better Practice Guidelines for Waste Management and Recycling in Commercial Buildings**

Type of premises	Average L per 100m <sup>2</sup> per day		Maximum L per 100m <sup>2</sup> per day		Number of businesses surveyed	GSA Average L per 100m <sup>2</sup> per day		GSA Maximum L per 100m <sup>2</sup> per day		GSA Number of businesses surveyed
	Waste	Recycling	Waste	Recycling		Waste	Recycling	Waste	Recycling	
Backpackers accommodation, boarding house, guest house	30	10	35	15	2					
Showrooms	10	25	22	100	5					
Butcher	185	100	200	145	2					
Delicatessen	30	0	30	0	1					
Fish shop	250	85	250	85	1					
Greengrocer	310	410	310	410	1					
Hairdresser	40	40	62	55	4					
Restaurants	190	190	460	490	7					
Supermarket with fresh food	30	0	30	0	1					
Supermarket without fresh food	140	75	140	72	1					
Takeaway	175	685	175	690	1	274	313	274	313	1
Hotels, bars, pubs	80	35	300	85	4					
Licensed club	25	20	35	27	4					
Motel (with public restaurant)	20	0	20	0	1					
Motel (without public restaurant)	25	0	25	0	1					
Offices	8	6	16	12	2	8	13	19	29	16

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Primary education	7	0	7	0	1					
Tertiary education	25	3	40	7	3					
Cafes	215	130	500	220	42					
Book and video shops	25	60	52	172	5					
Bakeries	295	165	500	245	3					
Services	55	10	160	30	7	17	4	17	4	1
Chemists	185	60	500	115	3					
Grocery and convenience stores	25	90	40	240	6					
Dry cleaning	35	10	50	17	2					
Home ware and kitchenware shops	10	70	15	225	6	10	97	25	577	10
Newsagents and stationery shops	15	215	15	715	4					
Medical and optical	35	10	80	17	3	83	263	83	263	1
Shopping centres	15	10	25	25	9					
Variety gift stores	15	35	22	110	5					
Pawnbrokers	20	0	30	1	2					
Shops less than 100 m <sup>2</sup> floor space	80	80	860	715	63	32	128	32	128	1
Shops more than 100 m <sup>2</sup> floor space	80	65	300	490	42	32	88	287	1683	56
All food retail	180	135	860	685	31					
All non-food retail	40	50	300	715	69					
All retail	80	70	860	715	111					

## 4. Statistical Analysis of Site-based Waste Audits

The results of the statistical analysis of the waste audit data from the site-based waste audits conducted as part of this study are presented in this section.

The data set is comprehensive. However, as the nature of waste generated by businesses varies considerably, there are still limitations on the accuracy of the results. Further, the use of visual assessments to collect data on waste composition introduces an inherent inaccuracy.

As per the project brief, the waste audit results are presented on a per FTE basis. It was also a requirement of the project brief to present the “non-normal” nature of the data, which is presented in each section below.

The following analyses are presented for each ANZSIC Division, as well as for all ANZSIC codes:

- Correlation between total waste generation and FTE
- Average total waste generation
- Median total waste generation
- Standard deviation
- 90% confidence intervals
- Standard error around the mean.

This basic analysis should allow most users to assess whether the data presented in this report is suitable for their purposes. However, some further analysis may be required for specific uses. It should be noted that large variances are not unusual in waste categorisation.

As will be discussed further below, the probability distribution for this data is not a normal distribution. However, as the sample size is well over 30 sample points, the use of confidence interval equation is still valid. The question arises as to what is the most appropriate estimate for the “expected value”, which is usually estimated by the average for a normally-distributed population. The average and the median of the sample set have been provided in the tables below as an indicator of how skewed the data is.

## 4.1 Total waste audited – All ANZSIC Codes

The following analyses were performed on data from all businesses audited for which an estimate for FTE was available at the time of the analysis. In total, this includes 194 businesses. For the analysis presented in this section, no outliers were removed.

**Table 117: Total waste generation by ANZSIC Division (tpa)**

ANZSIC Division	Count (n)	Total waste generation (tpa)	MAX (tpa)	MIN (tpa)	Correlation Coefficient between total waste generated and FTE (R)
C - Manufacturing	37	37,466.07	12,941.53	0.29	0.28
F - Wholesale Trade	19	24,448.56	22,797.5	0.9	0.56
G - Retail Trade	33	1520.86	164.56	0.76	0.64
H - Accommodation and Food Services	18	6843.18	3047	6.1	0.85
I - Transport, Postal and Warehousing	18	2011.95	732.3	0.4	0.97
J-O - Office Based Industries	30	1607.39	638.1	0.7	0.95
P - Education and Training	11	358.8	119.7	1.5	0.41
Q - Health Care and Social Assistance	14	2877.24	1066.3	1.48	0.92
R - Arts and Recreation Services	14	18.56	3.45	2	0
All ANZSIC codes	194	78,947.91	22,797.5	0.13	4

**Table 118** shows summary data for total waste generation by businesses per FTE for each ANZSIC Division. It should be noted that the correlation between total waste generation and FTE was calculated to be five, indicating a very low correlation between the two variables. Therefore, the “per FTE” figures need to be used with caution.

**Table 118: Total waste per FTE by ANZSIC Division (t/yr/FTE)**

ANZSIC Division	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
C - Manufacturing	37	3504	9.46	2.94	22.87	129.42	6	6.35	15.64	3.11	3.76	40%
F - Wholesale Trade	19	369.95	19.47	1	70.11	3087	8	27.89	45.93	-8.42	16.08	83%
G - Retail Trade	33	70.24	2.13	1.07	3	13.57	0.15	0.89	2.99	1.24	0.52	25%
H - Accommodation and Food Services	18	70.69	3.93	3.46	2.73	8.71	0.18	1.12	4.99	2.81	0.64	16%
I - Transport, Postal and Warehousing	18	54.81	3.04	1.69	3.72	14.03	8	1.53	4.49	1.52	0.88	29%
J-O - Office Based Industries	30	8.8	0.29	0.17	0.33	1.68	7	0.1	0.39	0.19	6	20%
P - Education and Training	11	5.46	0.5	0.45	0.34	1.04	6	0.19	0.67	0.31	0.1	21%
Q - Health Care and Social Assistance	14	12.16	0.87	0.6	0.78	2.53	9	0.37	1.21	0.5	0.21	24%
R - Arts and Recreation Services	14	18.56	1.33	1.13	1.07	3.45	2	0.51	1.8	0.82	0.29	22%
All ANZSIC codes	194	960.7	5	1	24.3	308.1	0	2.9	7.8	2.1	1.7	35%



**Table 119: Total material categories for all ANZSIC Divisions (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	194	10,272.3	3030.7	0	3	13%
Electrical	194	0	0	0	NA	0%
Organics	194	47,056.6	15,478.7	0	01	60%
Garbage bags	194	2208.8	1499.3	0	0.17	3%
Glass	194	3266	662	0	5	4%
Masonry	194	41.5	26.2	0	0	0%
Metal	194	1060	325.5	0	0.14	1%
Paper	194	3454.9	549.2	0	0.47	4%
Plastic	194	7505.7	1863.2	0	5	10%
Textiles & Rubber	194	128	45.6	0	6	0%
Wood	194	3004	1875.8	0	0	4%
Other	194	950.2	162.1	0	0.21	1%
<b>Total</b>	<b>194</b>	<b>78,947.9</b>	<b>22,797.5</b>	<b>0.1</b>	<b>4</b>	<b>100%</b>

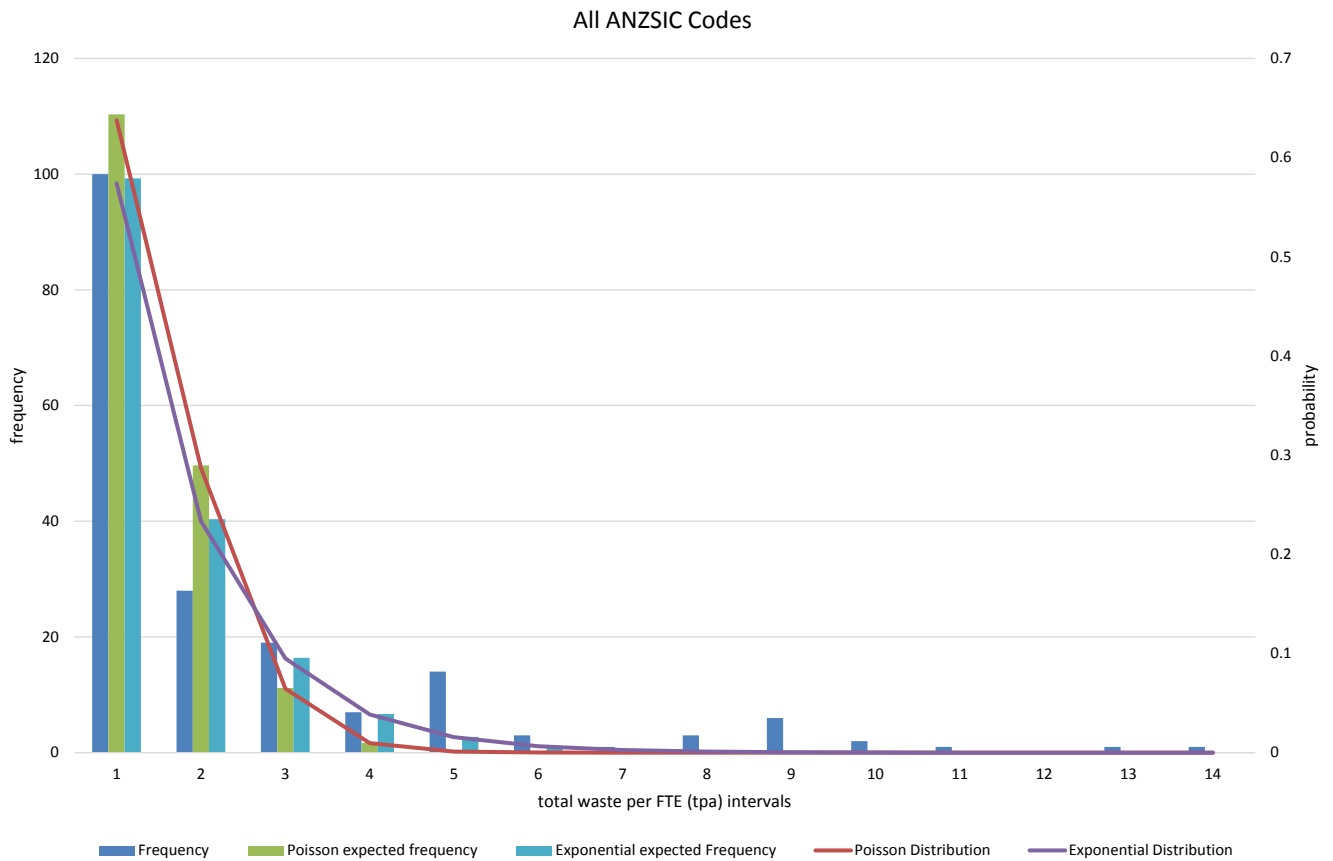
**Table 120: Total material categories per FTE for all ANZSIC Divisions (t/yr/FTE)**

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	194	161.55	0.83	0.18	3.24	40.96	0	0.38	1.22	0.45	0.23	28%
Electrical	194	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	194	484.51	2.5	3	17.5	209.17	0	2.08	4.56	0.42	1.26	50%
Garbage bags	194	7.74	4	0	0.17	1.57	0	2	6	2	01	31%
Glass	194	61.26	0.32	0	1.51	19.47	0	0.18	0.49	0.14	0.11	34%
Masonry	194	0.34	0	0	01	0.15	0	0	0	0	0	60%
Metal	194	16.37	8	0	0.3	3.09	0	4	0.12	5	2	26%
Paper	194	42.23	0.22	8	0.67	7.42	0	8	0.3	0.14	5	22%
Plastic	194	119.49	0.62	0.1	2.23	25.18	0	0.26	0.88	0.35	0.16	26%
Textiles & Rubber	194	1.49	01	0	3	0.22	0	0	01	0	0	26%
Wood	194	50.57	0.26	0	1.87	25.35	0	0.22	0.48	4	0.13	52%
Other	194	15.17	8	0	0.25	1.83	0	3	0.11	5	2	23%
<b>Total</b>	<b>194</b>	<b>960.71</b>	<b>4.95</b>	<b>0.97</b>	<b>24.34</b>	<b>3087</b>	<b>2</b>	<b>2.89</b>	<b>7.83</b>	<b>2.06</b>	<b>1.75</b>	<b>35%</b>

### 4.1.1 Probability distribution

Despite the large sample size, the probability distribution for the data is highly skewed, indicating that the population does not follow a normal distribution. The frequency histogram was fitted against a Poisson distribution and an Exponential distribution. The best fit was found using the method of least squares. The results are presented in Figure 19. The best fit expected value for the Poisson distribution was 0.54 tpa. The best fit expected value for the Exponential distribution was 0.78 tpa. The Exponential function achieved the best fit to the sample frequency data.

**Figure 19: Probability density function for total waste generated per FTE for all ANZSIC Divisions**



## 4.2 C – Manufacturing

Despite the large sample size for this Division, the skew in the data and the large variability between different types of manufacturing processes means that the data is unreliable for predicting waste generation. As shown in Table 121, the correlation between waste generation and FTE is very low. This means that FTE is a poor basis for predicting waste generation at the ANZSIC Division level.

It is probably more appropriate to break down the sample into ANZSIC sub-Divisions or even finer classifications, due to the disparate nature of manufacturing activities. However, this would require a much larger sample size.

**Table 121: Total material categories for C – Manufacturing (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	37	2629.3	912.4	0	0.31	7%
Electrical	37	0	0	0	NA	0%
Organics	37	26,513.2	11,255.4	0	0.14	71%
Garbage bags	37	1853.7	1499.3	0	0.86	5%
Glass	37	1287.9	662	0	-9	3%
Masonry	37	0	0	0	NA	0%
Metal	37	603.5	325.5	0	0.75	2%
Paper	37	992.4	264.6	0	0.16	3%
Plastic	37	2757.7	1125.6	0	0.28	7%
Textiles & Rubber	37	15.8	6.3	0	-5	0%
Wood	37	488.4	192.4	0	0.73	1%
Other	37	324.2	137.7	0	5	1%
<b>Total</b>	<b>37</b>	<b>37,466.1</b>	<b>12,941.5</b>	<b>0.3</b>	<b>0.28</b>	<b>100%</b>

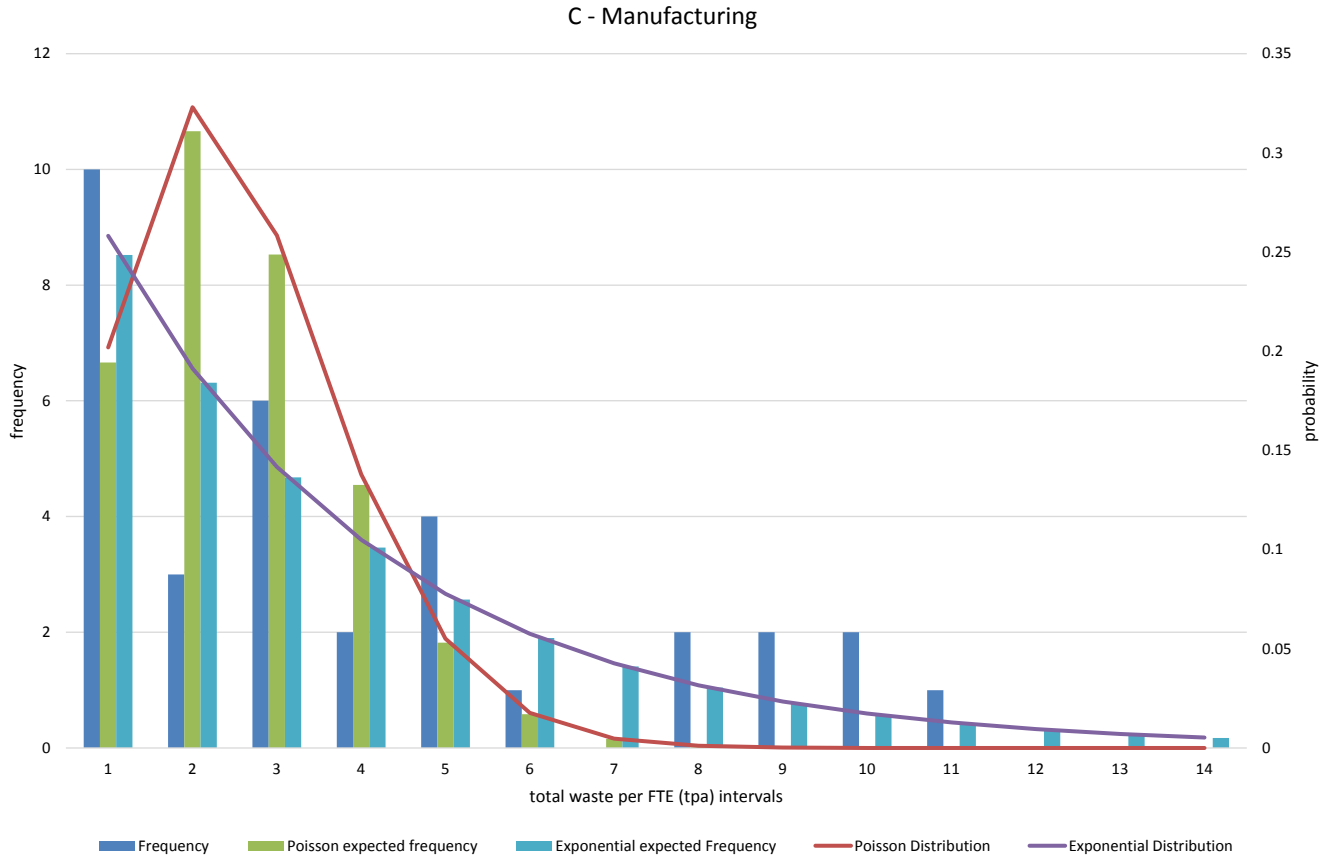
Table 122: Total material categories per FTE for C – Manufacturing (t/yr/FTE)

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	37	27.52	0.74	0.18	1.08	4.6	0	0.3	1.04	0.44	0.18	24%
Electrical	37	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	37	221.51	5.99	6	20.49	112.55	0	5.69	11.53	0.3	3.37	56%
Garbage bags	37	3.5	9	0	0.27	1.5	0	8	0.17	2	4	47%
Glass	37	36.79	0.99	0	3.27	19.47	0	0.91	1.88	9	0.54	54%
Masonry	37	0	0	0	0	0	0	NA	0	NA	0	NA
Metal	37	5.58	0.15	3	0.26	1.27	0	7	0.22	8	4	28%
Paper	37	12.9	0.35	7	0.65	2.83	0	0.18	0.52	0.17	0.11	30%
Plastic	37	25.92	0.7	0.2	1.88	11.26	0	0.52	1.21	0.18	0.31	44%
Textiles & Rubber	37	0.48	01	0	4	0.22	0	01	2	0	01	53%
Wood	37	10.31	0.28	0	0.68	3.33	0	0.19	0.46	9	0.11	40%
Other	37	5.53	0.15	0	0.38	1.83	0	0.11	0.25	4	6	42%
<b>Total</b>	<b>37</b>	<b>3504</b>	<b>9.46</b>	<b>2.94</b>	<b>22.87</b>	<b>129.42</b>	<b>6</b>	<b>6.35</b>	<b>15.64</b>	<b>3.11</b>	<b>3.76</b>	<b>40%</b>

### 4.2.1 Probability distribution

The expected value derived from fitting the Poisson distribution was 1.3. The expected value derived from fitting the Exponential distribution was 0.3. The Exponential distribution achieved the best fit.

**Figure 20: Probability density function for total waste generated per FTE for C – Manufacturing**



### 4.3 F – Wholesale Trade

The correlation between waste generation and FTE is low for Wholesale Trade at the ANZSIC level. The variance in the waste generation observed in this sample is very high. The data set appears to be highly skewed, making determining an “expected value” difficult. Therefore, it is likely to be unreliable for predicting waste generation for this sector at this high level.

**Table 123: Total material categories for F - Wholesale (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	19	3983	3030.7	0.1	0.63	16%
Electrical	19	0	0	0	NA	0%
Organics	19	15,497	15,478.7	0	0.53	63%
Garbage bags	19	31.5	10.9	0	0.55	0%
Glass	19	12.8	8.2	0	-0.23	0%
Masonry	19	11	11	0	0.63	0%
Metal	19	49.1	18.2	0	0.43	0%
Paper	19	569.8	549.2	0	0.54	2%
Plastic	19	2264.8	1863.2	0	0.58	9%
Textiles & Rubber	19	7.7	4.5	0	0.28	0%
Wood	19	1988.3	1875.8	0	0.54	8%
Other	19	33.5	16.3	0	0.54	0%
<b>Total</b>	<b>19</b>	<b>24,448.6</b>	<b>22,797.5</b>	<b>0.9</b>	<b>0.56</b>	<b>100%</b>

**Table 124: Total material categories per FTE for F – Wholesale (t/yr/FTE)**

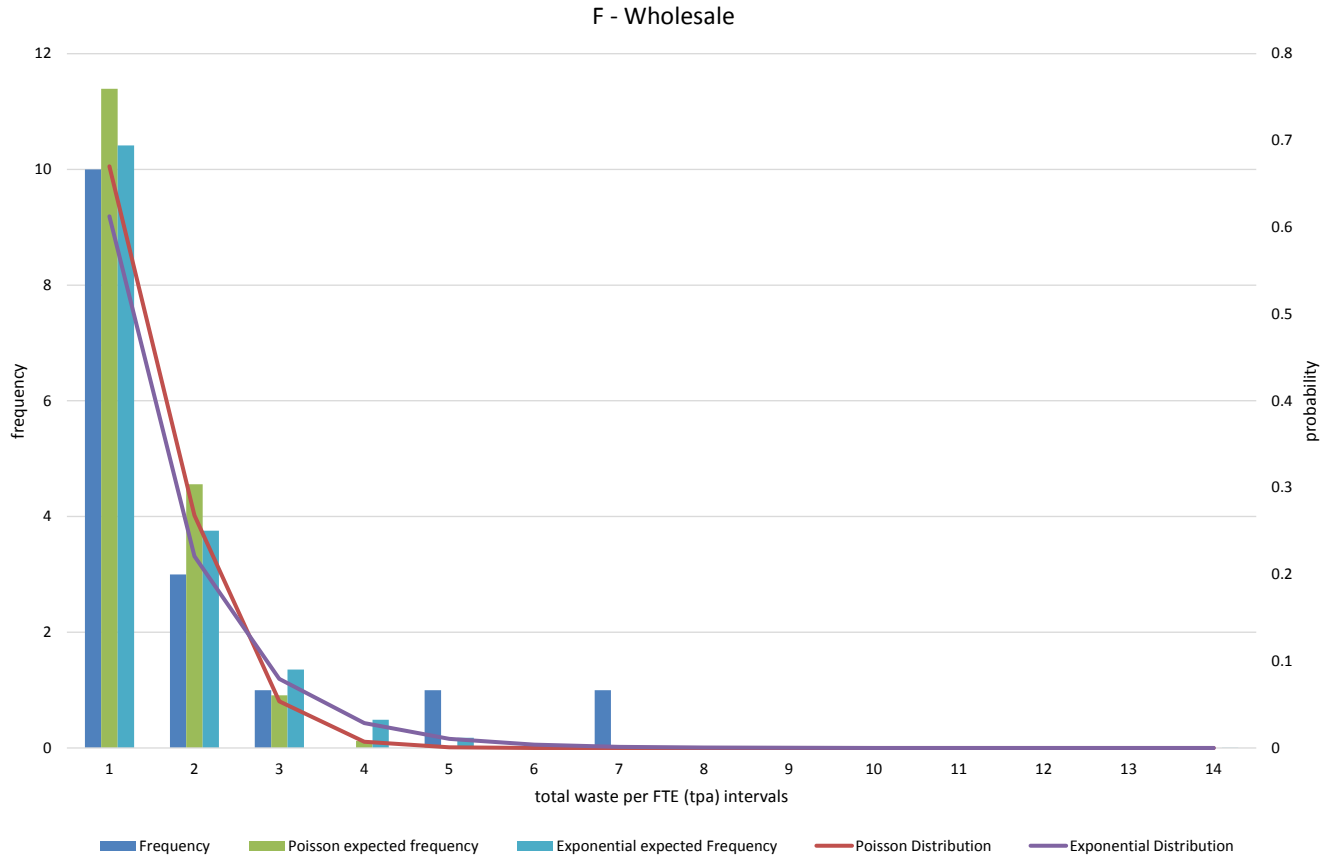
Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	19	64.61	3.4	0.4	9.65	40.96	01	3.84	7.04	-0.44	2.21	65%
Electrical	19	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	19	209.85	11.04	0	47.98	209.17	0	19.09	29.15	-8.04	11.01	100%
Garbage bags	19	0.82	4	0	0.1	0.34	0	4	8	0	2	55%
Glass	19	2.41	0.13	0	0.4	1.65	0	0.16	0.28	-3	9	73%
Masonry	19	0.13	1	0	3	0.13	0	01	2	-01	1	100%
Metal	19	3.91	0.21	0	0.7	3.09	0	0.28	0.47	-7	0.16	78%
Paper	19	8.49	0.45	5	1.69	7.42	0	0.67	1.08	-0.23	0.39	87%
Plastic	19	45.36	2.39	0.35	5.93	25.18	0	2.36	4.63	3	1.36	57%
Textiles & Rubber	19	0.36	2	0	5	0.19	0	2	4	0	1	56%
Wood	19	33.27	1.75	4	5.77	25.35	0	2.3	3.93	-0.55	1.32	76%
Other	19	0.75	4	0	0.11	0.47	0	4	8	-01	3	66%
<b>Total</b>	<b>19</b>	<b>369.95</b>	<b>19.47</b>	<b>1</b>	<b>70.11</b>	<b>3087</b>	<b>8</b>	<b>27.89</b>	<b>45.93</b>	<b>-8.42</b>	<b>16.08</b>	<b>83%</b>



### 4.3.1 Probability distribution

The expected value derived from the Poisson distribution was 0.4. The expected value derived from the Exponential distribution was 1.02. The Exponential distribution achieved the best fit.

**Figure 21: Probability density function for total waste generated per FTE for F - Wholesale**



## 4.4 G – Retail Trade

As expected, due to the highly variable nature of the retail trade, the correlation between waste generation and FTE is low at the ANZSIC Division level. The correlation is very low for material categories, which is expected due to different types of retailers generating different types of waste.

**Table 125: Total material categories for G – Retail (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	33	793.1	103.2	0	0.68	52%
Electrical	33	0	0	0	NA	0%
Organics	33	87	19.7	0	-0.25	6%
Garbage bags	33	25	14.6	0	0.27	2%
Glass	33	46.8	20.1	0	-6	3%
Masonry	33	0	0	0	NA	0%
Metal	33	13.3	2.9	0	0.21	1%
Paper	33	162.3	41.5	0	0.24	11%
Plastic	33	308.8	43.3	0	0.47	20%
Textiles & Rubber	33	1	0.3	0	0.32	0%
Wood	33	31.9	6.8	0	0.4	2%
Other	33	51.7	12.2	0	0.18	3%
<b>Total</b>	<b>33</b>	<b>1520.9</b>	<b>164.6</b>	<b>0.8</b>	<b>0.64</b>	<b>100%</b>

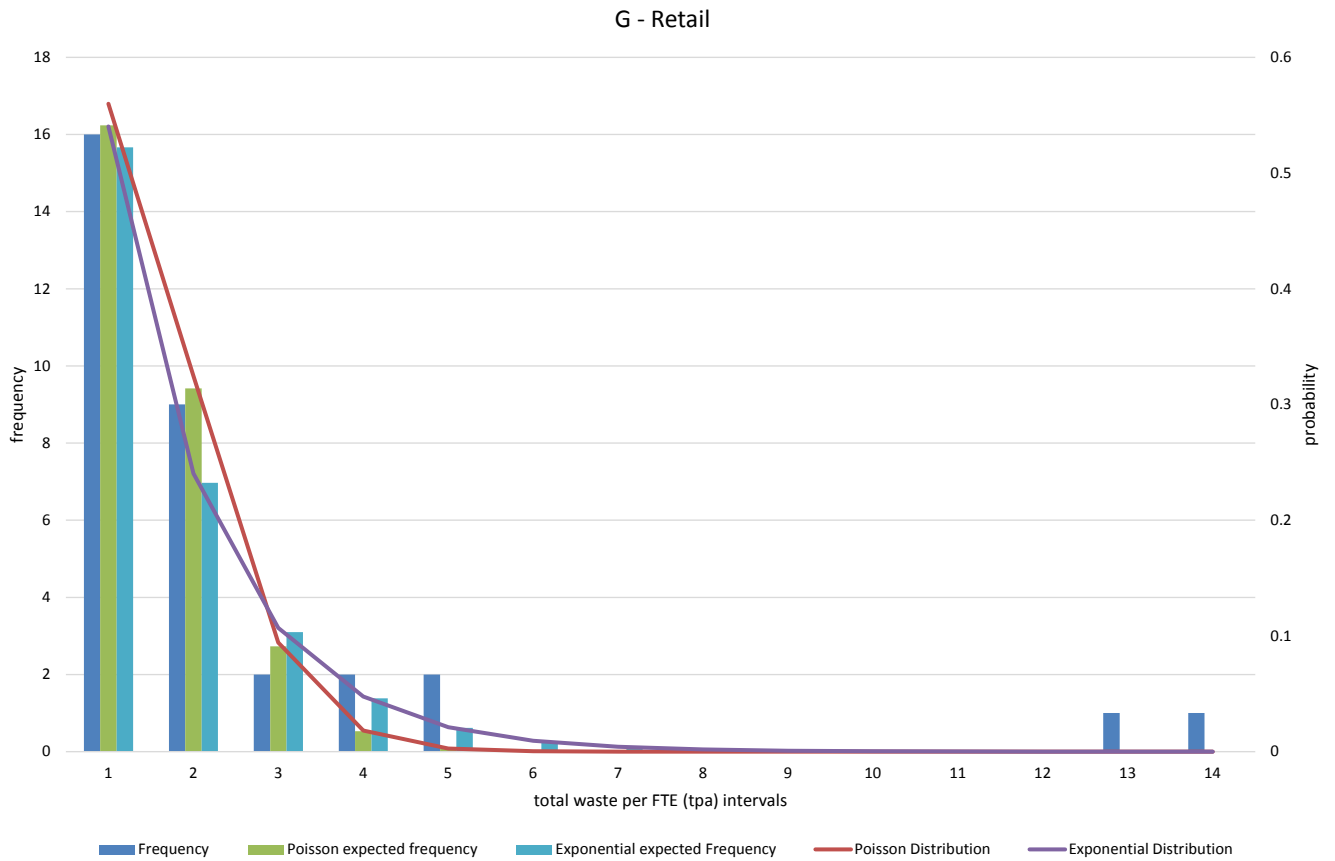
Table 126: Total material categories per FTE for G – Retail (t/yr/FTE)

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	33	31.69	0.96	0.38	1.78	9.44	0	0.52	1.47	0.44	0.31	32%
Electrical	33	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	33	9.74	0.3	01	0.58	2.56	0	0.17	0.46	0.12	0.1	34%
Garbage bags	33	0.55	2	0	5	0.24	0	01	3	0	01	49%
Glass	33	3.48	0.11	0	0.44	2.51	0	0.13	0.23	-2	8	72%
Masonry	33	0	0	0	0	0	0	NA	0	NA	0	NA
Metal	33	0.89	3	0	5	0.19	0	2	4	01	01	34%
Paper	33	7.42	0.22	7	0.71	4.15	0	0.21	0.43	01	0.12	55%
Plastic	33	13.56	0.41	0.13	0.73	3.21	0	0.21	0.62	0.2	0.13	31%
Textiles & Rubber	33	3	0	0	0	01	0	0	0	0	0	56%
Wood	33	0.86	3	0	5	0.22	0	2	4	01	01	34%
Other	33	2.02	6	0	0.1	0.4	0	3	9	3	2	29%
<b>Total</b>	<b>33</b>	<b>70.24</b>	<b>2.13</b>	<b>1.07</b>	<b>3</b>	<b>13.57</b>	<b>0.15</b>	<b>0.89</b>	<b>2.99</b>	<b>1.24</b>	<b>0.52</b>	<b>25%</b>

#### 4.4.1 Probability distribution

The expected value for total waste generation per FTE derived from the Poisson distribution was 0.58. The expected value derived from the Exponential distribution was 0.81. The Poisson distribution achieved the best fit.

**Figure 22: Probability density function for total waste generated per FTE for G – Retail**



## 4.5 H – Accommodation and Food Services

There is a relatively good correlation between total waste generation and FTE for this ANZSIC Division. There is even good correlation between FTE and generation of some material categories. The error and variation for this Division is relatively low for total waste generation and for the major material categories, such as cardboard, organics and glass.

**Table 127: Total material categories for H - Accommodation and Food Services (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	18	1246.4	726	0.1	0.81	18%
Electrical	18	0	0	0	NA	0%
Organics	18	2866.3	1293.3	2.8	0.82	42%
Garbage bags	18	213.6	204.5	0	0.12	3%
Glass	18	1177.8	456.1	0	0.72	17%
Masonry	18	0	0	0	NA	0%
Metal	18	93.1	37.3	0	0.83	1%
Paper	18	515.9	322.5	0	0.78	8%
Plastic	18	656.9	166.2	1.1	0.87	10%
Textiles & Rubber	18	45.6	45.6	0	0.7	1%
Wood	18	0	0	0	NA	0%
Other	18	27.6	15.7	0	2	0%
<b>Total</b>	<b>18</b>	<b>6843.2</b>	<b>3047</b>	<b>6.1</b>	<b>0.85</b>	<b>100%</b>

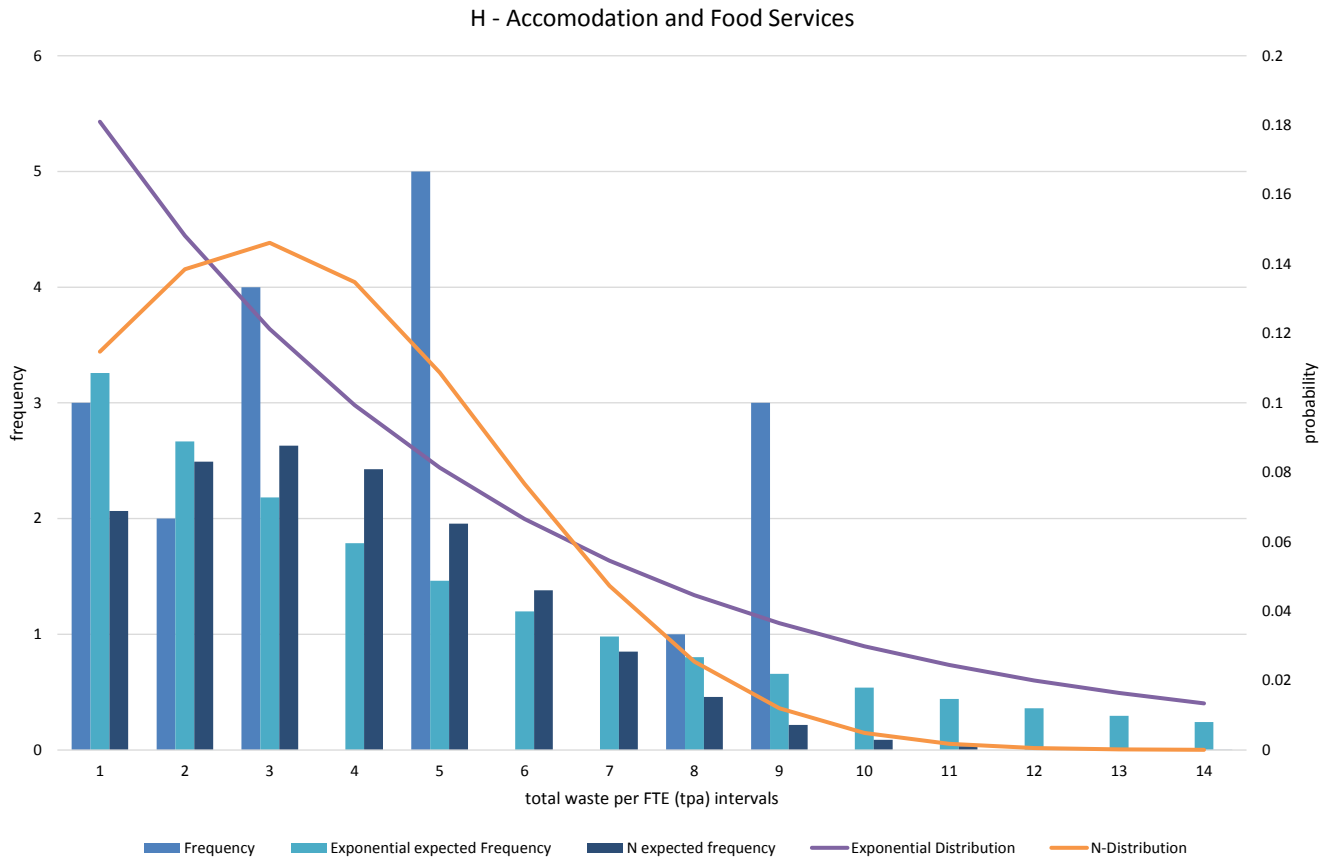
**Table 128: Total material categories per FTE for H – Accommodation and Food Services (t/yr/FTE)**

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	18	9.27	0.52	0.38	0.49	2.07	01	0.2	0.7	0.32	0.12	22%
Electrical	18	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	18	303	1.67	1.43	1.54	6.39	8	0.63	2.27	1.04	0.36	22%
Garbage bags	18	1.93	0.11	0	0.37	1.57	0	0.15	0.25	-4	9	81%
Glass	18	13.76	0.76	0.36	0.91	2.95	0	0.37	1.12	0.39	0.22	28%
Masonry	18	0	0	0	0	0	0	NA	0	NA	0	NA
Metal	18	1.41	8	3	9	0.32	0	4	0.11	4	2	28%
Paper	18	4.09	0.23	0.18	0.22	0.92	0	9	0.31	0.14	5	23%
Plastic	18	9.27	0.52	0.36	0.42	1.54	3	0.17	0.68	0.34	0.1	19%
Textiles & Rubber	18	0.13	01	0	3	0.13	0	01	2	-01	01	100%
Wood	18	0	0	0	0	0	0	NA	0	NA	0	NA
Other	18	0.8	4	0	9	0.26	0	4	8	01	2	47%
<b>Total</b>	<b>18</b>	<b>70.69</b>	<b>3.93</b>	<b>3.46</b>	<b>2.73</b>	<b>8.71</b>	<b>0.18</b>	<b>1.12</b>	<b>4.99</b>	<b>2.81</b>	<b>0.64</b>	<b>16%</b>

### 4.5.1 Probability distribution

The frequency histogram for this Division was fitted against the Poisson distribution, Exponential distribution and Normal distribution. The Exponential and Normal distributions achieved the best fits, but only slightly. The expected value derived from the Poisson distribution was 2.8. The expected value derived from the Exponential distribution was 0.2. The normal distribution was fitted around an estimated mean and the standard deviation calculated for the sample (fitted mean = 2.4, standard deviation = 2.73), which achieved a better fit than using the calculated average as the mean.

**Figure 23: Probability density function for total waste generated per FTE for H – Accommodation and Food Services**



## 4.6 I – Transport, Postal and Warehousing

Table 129: Total material categories for I – Transport, Postal and Warehousing (tpa)

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	18	741.8	312.1	0	0.92	37%
Electrical	18	0	0	0	NA	0%
Organics	18	5.1	3.4	0	0.93	0%
Garbage bags	18	15.8	11.3	0	-2	1%
Glass	18	0.8	0.3	0	0.6	0%
Masonry	18	4.3	4.3	0	0.17	0%
Metal	18	167.7	143.5	0	0.17	8%
Paper	18	27.2	8	0	0.57	1%
Plastic	18	360.2	171.2	0	0.82	18%
Textiles & Rubber	18	2.4	2.2	0	01	0%
Wood	18	462.3	216.5	0	0.55	23%
Other	18	224.4	162.1	0	0.89	11%
<b>Total</b>	<b>18</b>	<b>2011.9</b>	<b>732.3</b>	<b>0.4</b>	<b>0.97</b>	<b>100%</b>



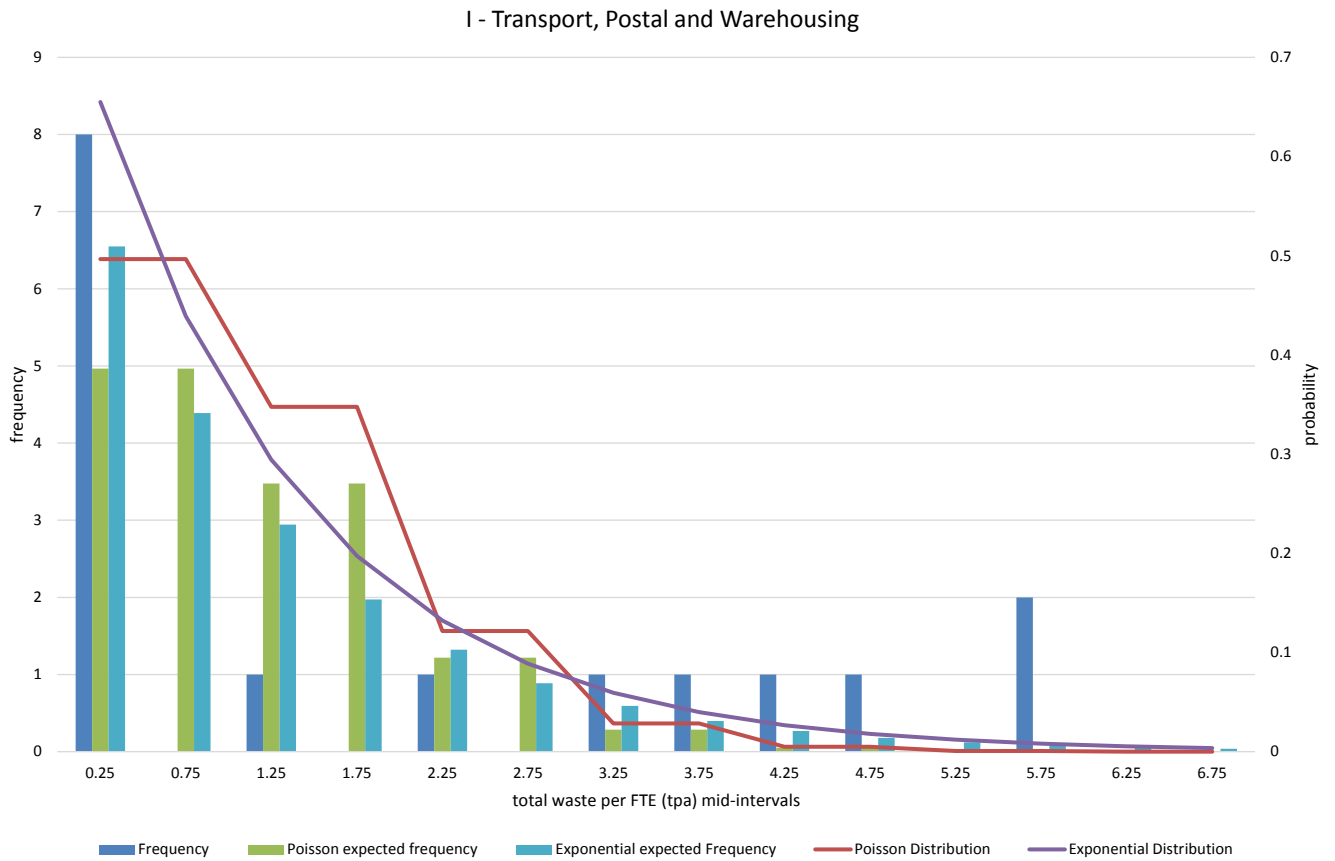
**Table 130: Total material categories per FTE for I – Transport, Postal and Warehousing (t/yr/FTE)**

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	18	21.32	1.18	0.55	1.4	4.11	0	0.58	1.73	0.61	0.33	28%
Electrical	18	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	18	0.16	01	0	01	4	0	01	01	0	0	36%
Garbage bags	18	0.67	4	0	0.1	0.4	0	4	8	0	2	62%
Glass	18	5	0	0	01	2	0	0	01	0	0	56%
Masonry	18	6	0	0	01	6	0	01	01	0	0	100%
Metal	18	3.54	0.2	0	0.55	2.05	0	0.23	0.41	-3	0.13	66%
Paper	18	1.36	8	3	0.13	0.53	0	5	0.12	2	3	40%
Plastic	18	17.06	0.95	0.1	2.35	107	01	0.97	1.86	-2	0.55	59%
Textiles & Rubber	18	8	0	0	2	6	0	01	01	0	0	77%
Wood	18	5.93	0.33	0	0.78	2.58	0	0.32	0.63	01	0.18	56%
Other	18	4.58	0.25	2	0.55	1.83	0	0.22	0.47	3	0.13	51%
<b>Total</b>	<b>18</b>	<b>54.81</b>	<b>3.04</b>	<b>1.69</b>	<b>3.72</b>	<b>14.03</b>	<b>8</b>	<b>1.53</b>	<b>4.49</b>	<b>1.52</b>	<b>0.88</b>	<b>29%</b>

### 4.6.1 Probability distribution

The expected value derived from the Poisson distribution was 0.7. The expected value derived from the Exponential distribution was 0.8. The Exponential distribution achieved the best fit.

**Figure 24: Probability density function for total waste generated per FTE for I - Transport, Postal and Warehousing**



## 4.7 J–O – Office Based Industries

As might be expected, this group of Divisions show a strong correlation between waste generation and FTE. There is still quite a bit of variation in the sample data. Therefore, the linear regression equation may be useful for predicting waste generation ( $y = 0.1085x + 2.9872$ ;  $y$ = total waste generation and  $x$ =FTE).

**Table 131: Total material categories for J–O – Office Based Industries (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	30	271.5	46.3	0	0.82	17%
Electrical	30	0	0	0	NA	0%
Organics	30	177.7	46.3	0	0.88	11%
Garbage bags	30	66.1	17.6	0	0.88	4%
Glass	30	34.4	9.6	0	0.49	2%
Masonry	30	26.2	26.2	0	-5	2%
Metal	30	24.1	13.8	0	0.11	1%
Paper	30	695.4	454.9	0.3	0.87	43%
Plastic	30	166.4	40.4	0	0.88	10%
Textiles & Rubber	30	9	5.2	0	0.2	1%
Wood	30	6	3.9	0	-8	0%
Other	30	130.5	33.4	0	0.93	8%
<b>Total</b>	<b>29</b>	<b>1527</b>	<b>52.7</b>	<b>7.7</b>	<b>122.6</b>	<b>638.1</b>

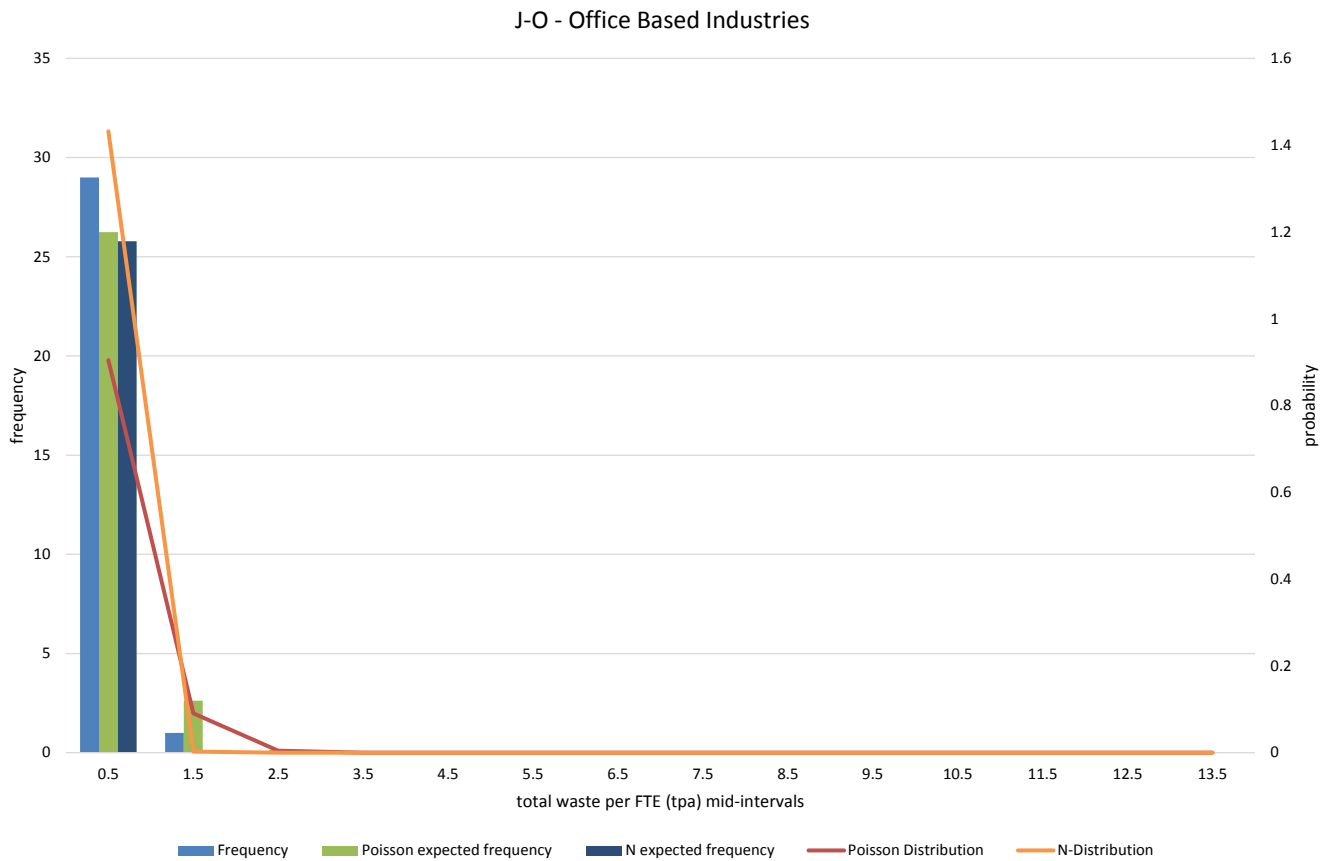
**Table 132: Total material categories per FTE for J–O – Office Based Industries (t/yr/FTE)**

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	30	1.43	5	2	9	0.44	0	3	8	2	2	36%
Electrical	30	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	30	1.2	4	2	7	0.33	0	2	6	2	01	30%
Garbage bags	30	0.22	01	0	01	6	0	0	01	0	0	30%
Glass	30	0.44	01	0	5	0.3	0	2	3	0	01	68%
Masonry	30	0.15	0	0	3	0.15	0	01	01	0	0	100%
Metal	30	0.29	01	0	4	0.2	0	01	2	0	01	70%
Paper	30	3.02	0.1	9	8	0.42	0	3	0.13	7	2	15%
Plastic	30	1.55	5	01	0.12	0.63	0	4	9	2	2	42%
Textiles & Rubber	30	5	0	0	0	2	0	0	0	0	0	59%
Wood	30	6	0	0	01	4	0	0	0	0	0	72%
Other	30	0.4	01	0	2	7	0	01	2	01	0	27%
<b>Total</b>	<b>30</b>	<b>8.8</b>	<b>0.29</b>	<b>0.17</b>	<b>0.33</b>	<b>1.68</b>	<b>7</b>	<b>0.1</b>	<b>0.39</b>	<b>0.19</b>	<b>6</b>	<b>20%</b>

### 4.7.1 Probability distribution

The expected value derived from the Poisson distribution was 0.1. The expected value derived from the Exponential distribution was 2.1. The normal distribution was fitted around an estimated mean and the standard deviation calculated for the sample (fitted mean = 0.5, standard deviation = 0.33), which achieved a better fit than using the calculated average as the mean. The Poisson distribution achieved the best fit, followed by the normal distribution.

**Figure 25: Probability density function for total waste generated per FTE for J-O - Office Based Industries**



## 4.8 P – Education and Training

The correlation between waste generation and FTE in this Division is low, which reflects the highly variable nature of the businesses within this Division. The variation is quite high, but this may be more a reflection of the small sample size for this Division.

**Table 133: Total material categories for P – Education and Training (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	11	50	14.9	0	0.47	14%
Electrical	11	0	0	0	NA	0%
Organics	11	114.3	43.9	0.5	0.25	32%
Garbage bags	11	0	0	0	NA	0%
Glass	11	7.7	4.1	0	0.9	2%
Masonry	11	0	0	0	NA	0%
Metal	11	18	9.7	0	0.14	5%
Paper	11	84.6	39.5	0.5	0.41	24%
Plastic	11	51.9	15.3	0.1	0.42	14%
Textiles & Rubber	11	0.7	0.4	0	0.1	0%
Wood	11	23.7	22.3	0	0.24	7%
Other	11	7.9	4.1	0	-0.23	2%
<b>Total</b>	<b>11</b>	<b>358.8</b>	<b>119.7</b>	<b>1.5</b>	<b>0.41</b>	<b>100%</b>

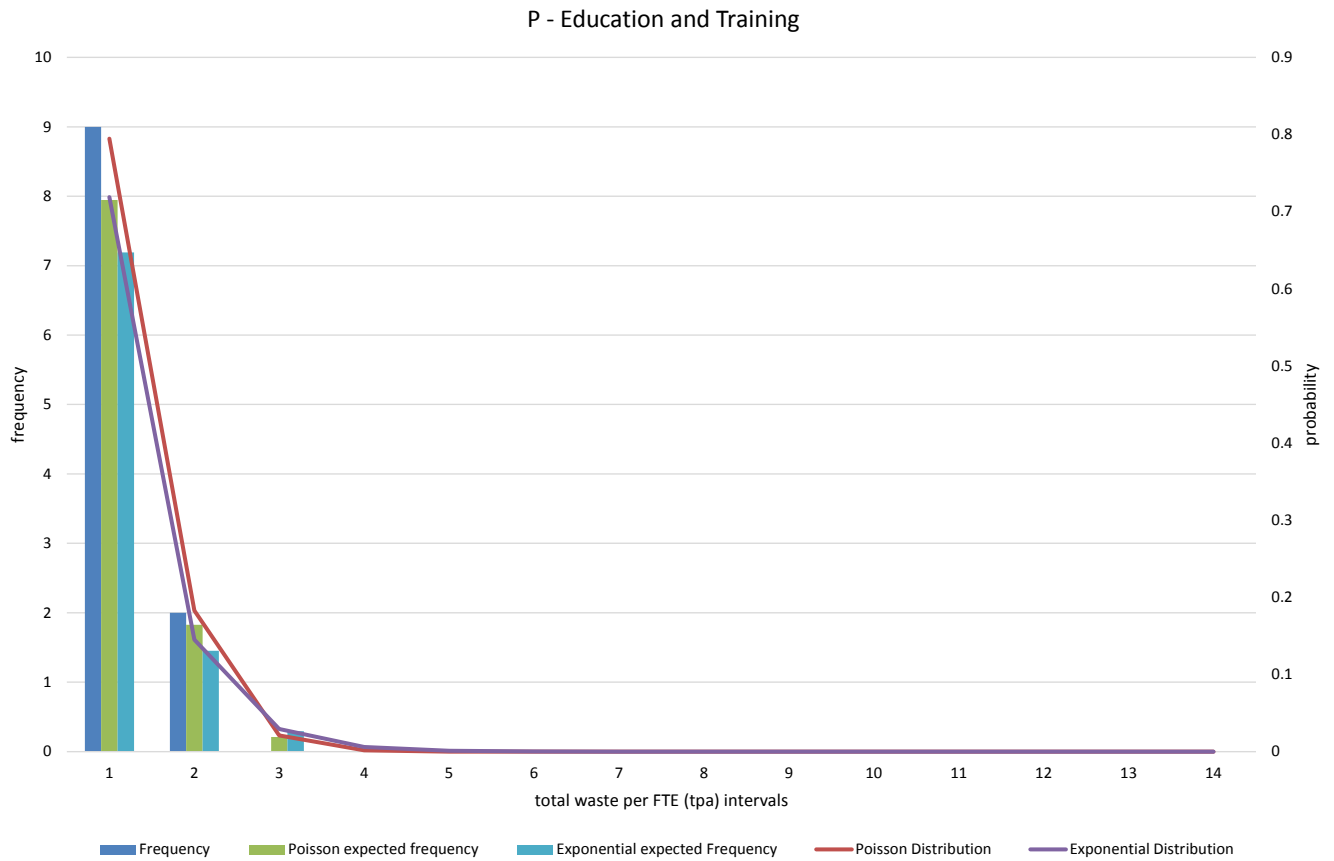
Table 134: Total material categories per FTE for P – Education and Training (t/yr/FTE)

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	11	0.87	8	3	0.1	0.32	1	5	0.13	3	3	38%
Electrical	11	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	11	1.86	0.17	0.16	0.15	0.47	1	8	0.24	9	5	27%
Garbage bags	11	0	0	0	0	0	0	NA	0	NA	0	NA
Glass	11	4	0	0	01	1	0	0	1	0	0	44%
Masonry	11	0	0	0	0	0	0	NA	0	NA	0	NA
Metal	11	0.22	2	0	5	0.16	0	3	4	-1	1	72%
Paper	11	1.31	0.12	0.16	7	0.21	2	4	0.15	8	2	18%
Plastic	11	0.78	7	5	9	0.34	01	5	0.12	2	3	40%
Textiles & Rubber	11	1	0	0	0	0	0	0	0	0	0	50%
Wood	11	0.1	01	0	3	9	0	01	2	-1	1	85%
Other	11	0.26	2	2	3	9	0	2	4	1	1	35%
<b>Total</b>	<b>11</b>	<b>5.46</b>	<b>0.5</b>	<b>0.45</b>	<b>0.34</b>	<b>1.04</b>	<b>6</b>	<b>0.19</b>	<b>0.67</b>	<b>0.31</b>	<b>0.1</b>	<b>21%</b>

### 4.8.1 Probability distribution

The expected value derived from the Poisson distribution was 0.23. The expected value derived from the Exponential distribution was 1.6. The Poisson distribution achieved the best fit.

**Figure 26: Probability density function for total waste generated per FTE for P - Education and Training**





## 4.9 Q – Health Care and Social Assistance

The correlation between total waste generation and FTE is high for this sample. Therefore, the linear regression equation may be useful in predicting waste generation for this Division ( $y = 1.0874x + 14.679$ ;  $y$ = total waste generation and  $x$ =FTE). The error and variation on the total waste generation are relatively low, considering the sample size.

**Table 135: Total material categories for Q – Health Care and Social Assistance (tpa)**

Material Category	Count (n)	Total waste generation	1. MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	14	328.9	108.2	0	0.79	11%
Electrical	14	0	0	0	NA	0%
Organics	14	1011	337	0	0.91	35%
Garbage bags	14	3.1	3	0	-3	0%
Glass	14	448.9	273.2	0	0.95	16%
Masonry	14	0	0	0	NA	0%
Metal	14	77.8	47.8	0	0.95	3%
Paper	14	273.7	75.8	0.3	0.77	10%
Plastic	14	538.9	195.4	0	0.81	19%
Textiles & Rubber	14	45.1	17.8	0	2	2%
Wood	14	0	0	0	NA	0%
Other	14	149.9	57.3	0	0.51	5%
<b>Total</b>	<b>14</b>	<b>2877.2</b>	<b>1066.3</b>	<b>1.5</b>	<b>0.92</b>	<b>100%</b>

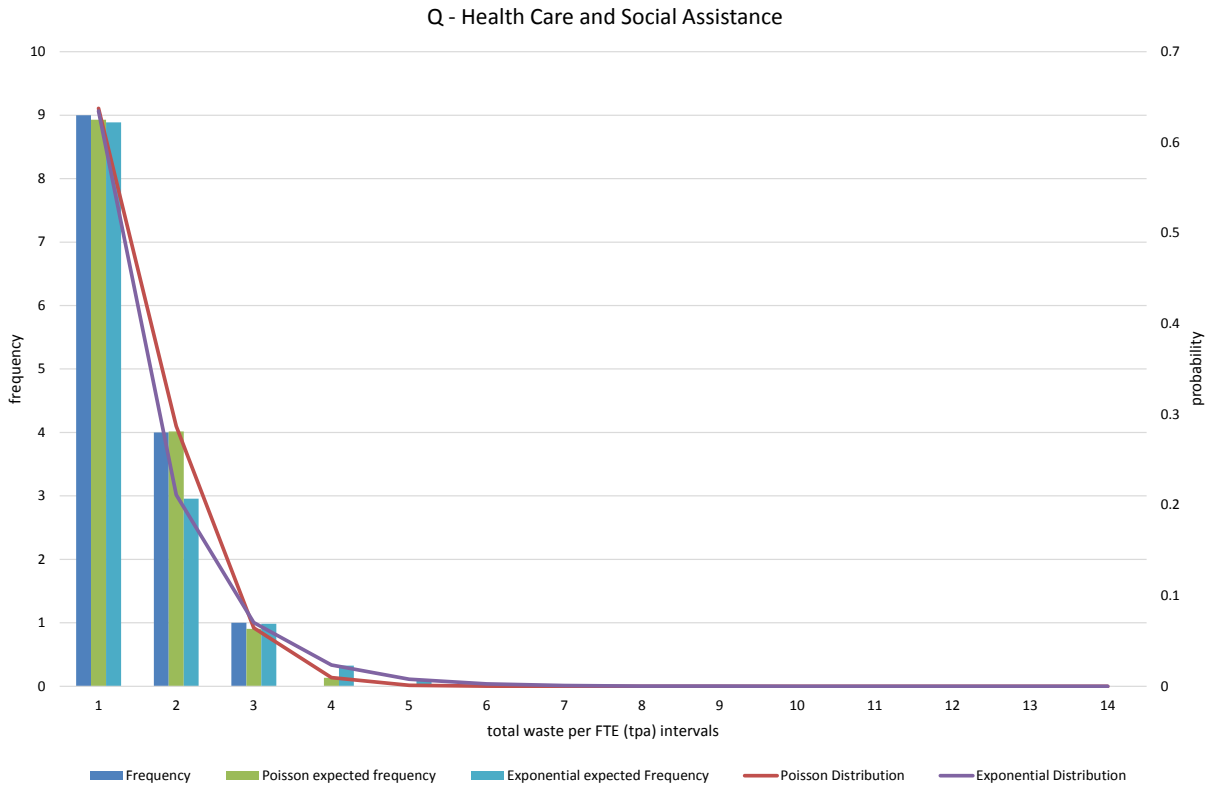
**Table 136: Total material categories per FTE for Q – Health Care and Social Assistance (t/yr/FTE)**

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	2. Stand ard error	error around mean
Cardboard	14	1.71	0.12	0.11	0.12	0.41	0	6	0.17	7	3	26%
Electrical	14	0	0	0	0	0	0	NA	NA	NA	NA	NA
Organics	14	4.03	0.29	0.18	0.31	0.84	0	0.14	0.42	0.14	8	28%
Garbage bags	14	3	0	0	01	2	0	0	0	0	0	71%
Glass	14	1.3	9	3	0.12	0.3	0	5	0.14	4	3	33%
Masonry	14	0	0	0	0	0	0	NA	NA	NA	NA	NA
Metal	14	0.24	2	01	2	6	0	01	3	01	01	32%
Paper	14	1.42	0.1	7	9	0.29	01	4	0.14	6	2	24%
Plastic	14	2.26	0.16	3	0.21	0.62	0	0.1	0.25	6	6	34%
Textiles & Rubber	14	0.34	2	0	3	7	0	01	4	01	01	33%
Wood	14	0	0	0	0	0	0	NA	NA	NA	NA	NA
Other	14	0.83	6	2	8	0.24	0	4	9	2	2	36%
<b>Total</b>	<b>14</b>	<b>12.16</b>	<b>0.87</b>	<b>0.6</b>	<b>0.78</b>	<b>2.53</b>	<b>9</b>	<b>0.37</b>	<b>1.21</b>	<b>0.5</b>	<b>0.21</b>	<b>24%</b>

### 4.9.1 Probability distribution

The expected value derived from the Poisson distribution was 0.45. The expected value derived from the Exponential distribution was 1.1. The Poisson distribution achieved the best fit.

**Figure 27: Probability density function for total waste generated per FTE for Q - Health Care and Social Assistance**



## 4.10 R – Arts and Recreation Services

The correlation between waste generation and FTE is quite weak, indicating that FTE may not be a good basis for prediction at the Division level. The variation is relatively low considering the small sample size and the diverse nature of businesses audited.

**Table 137: Total material categories for R – Arts and Recreation Services (tpa)**

Material Category	Count (n)	Total waste generation	MAX	MIN	Correlation Coefficient between total waste generated and FTE (R)	% of waste stream
Cardboard	14	228.3	57.4	0	`	13%
Electrical	14	0	0	0	NA	0%
Organics	14	785	320.2	0	0.59	43%
Garbage bags	14	0	0	0	NA	0%
Glass	14	248.9	125.6	0	0.49	14%
Masonry	14	0	0	0	NA	0%
Metal	14	13.5	4.7	0	0.18	1%
Paper	14	133.5	65.4	0	0.5	7%
Plastic	14	400	250.8	0.1	0.51	22%
Textiles & Rubber	14	0.7	0.7	0	-8	0%
Wood	14	3.4	2.8	0	0.28	0%
Other	14	0.5	0.5	0	-7	0%
<b>Total</b>	<b>14</b>	<b>1813.9</b>	<b>821.6</b>	<b>0.1</b>	<b>0.62</b>	<b>100%</b>

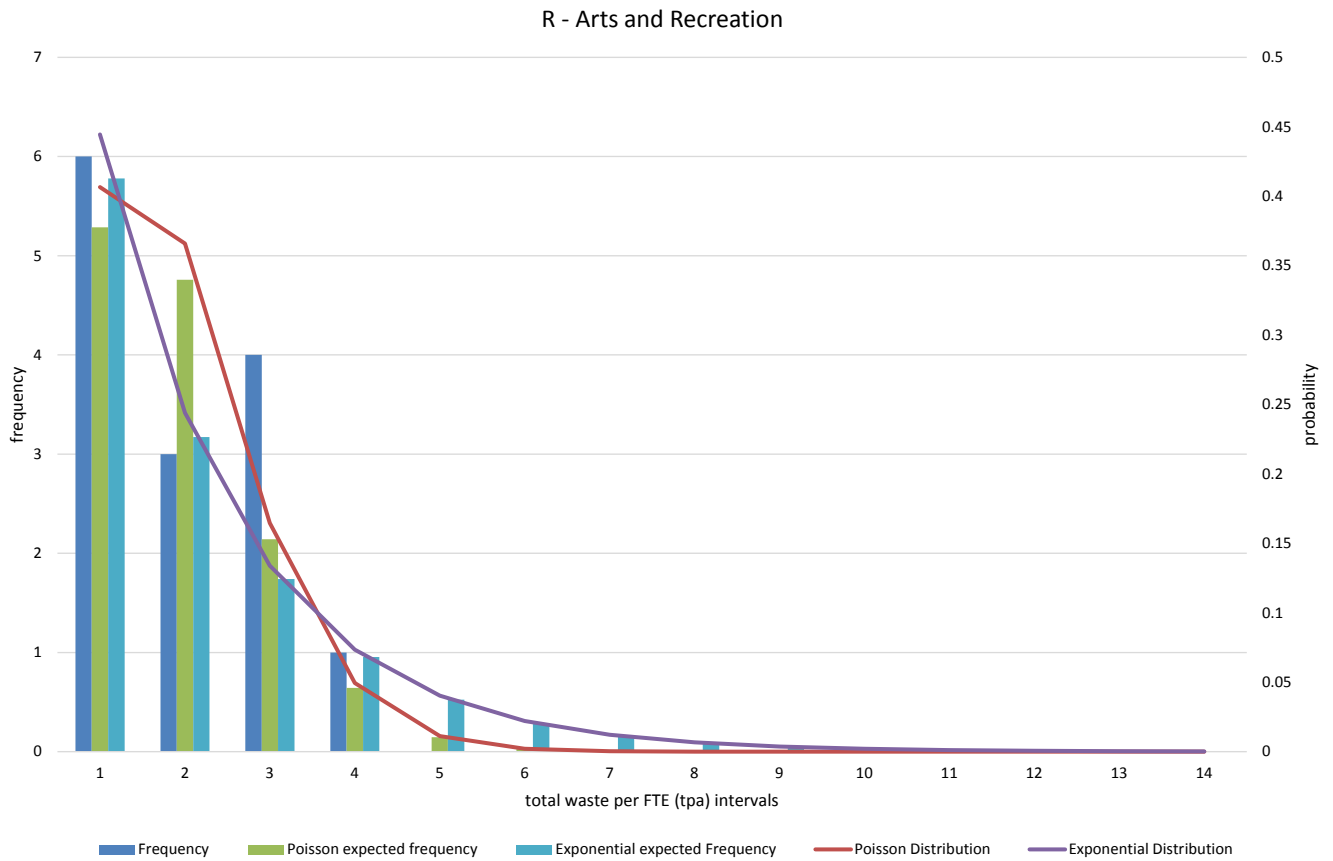
Table 138: Total material categories per FTE for R – Arts and Recreation Services (t/yr/FTE)

Material Category	Count (n)	Total (tpa)	Average	Median	STD DEV	MAX	MIN	90% CI	Upper 90% CL	Lower 90% CL	Standard error	error around mean
Cardboard	14	3.13	0.22	0.15	0.24	0.79	0	0.11	0.33	0.11	6	28%
Electrical	14	0	0	0	0	0	0	NA	0	NA	0	NA
Organics	14	6.13	0.44	0.17	0.51	1.46	0	0.24	0.66	0.2	0.14	31%
Garbage bags	14	0	0	0	0	0	0	NA	0	NA	0	NA
Glass	14	2.98	0.21	9	0.27	0.93	0	0.13	0.33	9	7	34%
Masonry	14	0	0	0	0	0	0	NA	0	NA	0	NA
Metal	14	0.29	2	01	3	9	0	01	3	01	01	36%
Paper	14	2.23	0.16	8	0.2	0.74	0	0.1	0.25	6	5	34%
Plastic	14	3.73	0.27	0.16	0.35	1.16	01	0.16	0.42	0.1	9	35%
Textiles & Rubber	14	01	0	0	0	01	0	0	0	0	0	78%
Wood	14	5	0	0	01	4	0	0	01	0	0	78%
Other	14	01	0	0	0	01	0	0	0	0	0	100%
<b>Total</b>	<b>14</b>	<b>18.56</b>	<b>1.33</b>	<b>1.13</b>	<b>1.07</b>	<b>3.45</b>	<b>2</b>	<b>0.51</b>	<b>1.8</b>	<b>0.82</b>	<b>0.29</b>	<b>22%</b>

### 4.10.1 Probability distribution

The expected value derived from the Poisson distribution was 0.9. The expected value derived from the Exponential distribution was 0.6. The Exponential distribution achieved the best fit.

**Figure 28: Probability density function for total waste generated per FTE for R - Arts and Recreation Services**



## 4.11 Discussion and Recommendations

Waste generation in the C&I sector is affected by a wide range of factors, such as the nature of the business and individual business practices. This means that waste generation in the C&I sector is highly variable in both amount and composition. The variation in waste data is compounded by the difficulties in collecting accurate data from this sector, as discussed elsewhere in this report. Therefore, a high degree of variation is to be expected.

Another difficulty is that the data is non-normal in its distribution, making the use of the usual parametric methods of analysis problematic. However, the relatively low sample size means that analysis by non-parametric methods is not appropriate for data at the Division or Sub-Division level.

Nevertheless, the data set developed from 194 generator site-based audit of businesses is a valuable resource for developing evidence-based policy and programs for the NSW Government and to the businesses and waste industry to identify opportunities for more recycling. The users however need to be aware of the variation in the data and take that into account when applying the key findings to suit particular circumstance. .

The best way to improve the accuracy of and confidence in the data is to increase the sample size; preferably to a size that allows analysis at the sub-division level. It may be useful if this data is reviewed against data collected from other site-based waste audits (such as those conducted as part of the BinTrim program or from other jurisdictions) to achieve a good outcome.

## 5. Comment on specific issues and/or materials

### 5.1 Materials recoverable

The generator site-based audit found diversion of waste from landfill being affected by various issues associated with the systems, management approaches and material types, including (not in any specific order):

- While many personnel had good knowledge of waste management systems (in terms of what materials could be diverted and what other businesses are doing), they often were restricted by production issues, operational concerns, cost factors and the constraints due to the business' location.
- There was some innovation in terms of types of systems being implemented (e.g., organics systems) and for some sites in ERA material exchanges had been organised that resulted in decreased levels of waste to landfill.
- Based on audits that had been undertaken in previous years at similar businesses, the auditor found improvement in landfill diversion actions within the small sized businesses. Specifically an increase in uptake of diversion systems for materials such as cardboard and comingled, with the levels of low contamination observed.
- Within local government there are good and consistent systems across the council for diversion (bin types, colours and signage).
- For small and medium sized businesses, cost issues for the various diversion systems is important as to the adoption of such systems.
- A variety of management systems (i.e. container types/sizes) are in use for similar materials in the same division. While not an issue in itself, it shows that there is a need for ensuring that systems meet the needs of individual businesses.
- Timber seemed to be a large issue with many sites generating it, but few actually having systems to divert it from landfill. Part of the issue was due to contamination (i.e., the timber may have a nail or bolt attached), and it was labour intensive to manage these contaminants.
- Lack of some recycling systems in ERA and/or higher costs associated with the provision of such systems.
- Materials that can be recycled in SMA, but difficult to obtain services that are cost-effective in ERA are soft plastics, polystyrene and mattresses
- Though there is willingness to separate and transport compacted materials (e.g. polystyrene) to improve diversion rates, provision of necessary infrastructure could be cost-prohibitive and not practical.
- Divertible materials such as cardboard/soft plastic are being disposed of into general waste because of lack of space for recycling bin or lack of action to implement (e.g., within the warehouse/wholesaler Divisions).
- Businesses with multiple sites could have different waste management systems resulting in varied levels of recycling. This may occur due to lack of oversight of systems, availability of systems within locations and costs management issues.
- For some businesses when waste management is under a national contract, site specific and/or location specific issued would affect potential recycling
- Limitations within existing contract to divert and implement new systems – such as with new technology or targets established by the head contract
- Contractor not providing advice on potentially recoverable streams. The contractor may offer a diversion system to a similar business, but not for another or provided advice on diversion opportunities that would be cost effective.
- Contamination of recyclables due to site practices. For example, the recycling bin for specific streams is not located in the optimum place due to internal issues (e.g., production locations, need to transport goods internally, staff preferences, shifts in activities) and as a result there is poor “at source” segregation.
- Information not being provided to staff on potential for segregation and as such contamination occurs. This could be due to lack of, wrong signage or incorrect colour coding of bins.



- With small businesses there was often a lack of knowledge of the types/quantities of materials being generated and management pathways. There is often a reliance on cleaners to ensure materials are correctly managed.
- There appears to be little on-going monitoring of systems (i.e., to measure leakage or contamination), where staff are depositing materials, changes in materials generated and other staff/cleaners practices that impact on correct waste management.
- Stock monitoring for perishable and redundant damaged products (e.g., no market so disposed of), was an issue for small and some medium sized businesses.
- There was some innovation in terms of types of systems being implemented (e.g. organics systems) and, for some sites in the ERA, material exchanges had been organised that resulted in decreased levels of waste to landfill.

## 6. Conclusions

There were challenges in recruiting businesses to participate in this audit as well as obtaining all necessary data/information from all business in a timely manner. However strategies were implemented to overcome these issues.

Importantly, the GSA process identified the types of systems currently in use within the targeted ANZSIC Divisions/Sub-divisions as well as other waste management related factors. This has been summarised within Section 3.5. In addition, individual site reports detail the types of systems and other management aspects. It was found that there is a diversity of systems within Divisions for the reasons as detailed in Section 3.5.

To ensure sustainable and cost-effective management of materials at the business level as well as to promote improvements that will lead to waste reductions and increased landfill diversion, data on generation rates is not sufficient.

As demonstrated though this audit, having a detailed understanding of existing limitations within the various businesses for improvements coupled with information on what is required to assist adoption of improved activities is paramount to achieve sound resource recovery outcomes in New South Wales.

The results from the GSA indicated that:

- There is no specific pattern for waste generation rates (tonnages), for the different divisions and different areas for the various sized businesses. This demonstrates that any actions to improve landfill diversion rates should be targeting all material types audited.
- The data demonstrates that no specific region should be targeted for actions to improve landfill diversion as there are opportunities within each region and industry divisions. Different ANZSIC Divisions/Sub-divisions have varied improvement opportunities within each Area and also in relation to the size of the business.
- There are a diverse range of waste management systems in the SMA and ERA for the same business type(s) and size(s).
- There is significant opportunity to increase landfill diversion for a variety of materials from all divisions/sub-divisions in all areas.
- More cost-effective recycling systems need to be provided in the ERA.
- Many materials are not being diverted due to businesses not viewing waste management as a core activity and not having resources (particularly time), to investigate alternative management approaches.
- Cost is a major inhibiting factor for implementation of diversion systems coupled with the availability of systems in the ERA.
- Overall, businesses are supportive of implementing opportunities for improved landfill diversion, but require access to cost-effective services and information on implementation strategies.
- The availability of space on site plays a significant factor as to the variety of management systems implemented for many businesses (particularly for small and medium size businesses).
- Waste management education is not being conducted effectively for many different sized divisions/sub-divisions across all Areas.

In regards to data from the GSA audits:

- 197 sites participated in this project which was 78.8% of the target number of sites. Of these 73% of the sites were located in the SMA and 27% in ERA.
- 78,947 tonnes per annum of waste were recorded as being generated for all businesses audited for all areas.
- The audited ANZSIC divisions/sub-divisions general waste streams represent 33.1% by weight with materials currently diverted representing 66.9% for all areas. A similar percentage relates to the SMA (32% and 68% respectively, but with a lower rate of currently diverted material in the ERA (57.5%).
- Medium sized businesses generated the greater percentage of C&I waste (70.5%) followed by the Large businesses (27.1%) and then Small (2.4%).
- In the SMA, medium sized businesses generated the greater percentage of C&I waste (76.5%), with the large businesses in ERA generating the greater percentage (73.1%).

A number of issues have been identified (and summarised within the Executive Summary), as to the reasons for not achieving the required number of businesses audited. As a result, statistical analysis for under-represented divisions/size of business helps to identify reliable data for some high level ANZSIC Divisions and materials.

The data analysed for the divisions. Size of businesses and regions are still included in this report in the Appendices for completeness. This data with limited statistical confidence should be treated with utmost caution.

A larger sample of businesses from the key ANZSIC Divisions, business sizes and regions will need to be undertaken to obtain data with an acceptable statistical confidence. But such an audit could be cost prohibitive

## 7. Recommendations

### 7.1 Future actions to enhance landfill diversion

Based on the generator site audit undertaken in 2014, this report recommends the following actions to increase recycling at business premises:

1. Share the key findings of this audit with businesses, local councils and the waste and resource recovery industry
2. Continue to provide advice to business on opportunities within their Local Government Area to divert materials, such as with the Bin Trim program and those provided by other organisations
3. .
4. Encourage local government to establish material exchange systems
5. Assist ERA businesses to implement landfill diversion for materials such as timber.
6. Avoid scheduling large audits of this type concurrently with other programs such as Bin Trim to maximise business participation
7. .
8. Education of staff is paramount and practical resources need to be developed (e.g., scripts for toolbox meetings).
9. Monitoring and reporting actions (e.g., WRAPP resources) made more readily available and promoted.
10. Promote the need for and provide tools to assist businesses undertake due diligence in regards to where materials are being transported to. All Businesses must have a good understanding as to what contractors are doing (i.e., specifically for food manufacturing where contractors change disposal locations and do not advise clients).
11. Promote use of standard signage and colour coding of waste/recycling containers as well as inform of different options for management systems.
12. Liaise with industry associations to discuss how materials can be better managed at the industry level

### 7.2 Infrastructure/resource issues – SMA/ERA

1. Review the provision of recycling infrastructure within all Areas/Regions. As a first stage, undertake a stocktake to identify gaps in infrastructure in the Areas/Regions and relate this back to data from these audits so as to convey to service providers the potential for expanding recycling services.
2. Examine the potential for implementing consolidated systems for industrial parks. For example provision of balers, or bins for businesses that have limited space and even waste exchange systems.
3. Offer grants to businesses/cluster of businesses to install equipment that would enhance diversion such as balers for cardboard and plastics.

## 8. Appendices

### Appendix 1 – Data

**Table 139: Total composition of C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	1061.8	12.9%	7194	87.1%	8255.7
Cardboard – wet /wax	2005.1	99.4%	11.4	0.6%	2016.6
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	491.8	68.9%	221.6	31.1%	713.5
Food organics – unpackaged	8218.8	17.8%	38,006.1	82.2%	46,224.9
Garbage bags	2200.9	99.6%	7.9	0.4%	2208.8
Garden organics	118.2	100%	NA	NA	118.2
Glass – non-packaging	409.2	26.6%	1127.6	73.4%	1536.8
Glass – packaging	554.2	32.1%	1174.9	67.9%	1729.1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	41.5	100%	NA	NA	41.5
Metal (ferrous) – packaging	9.3	5.8%	152.1	94.2%	161.5
Metal (ferrous) – non-packaging	362.6	61.7%	224.6	38.3%	587.2
Metal (non-ferrous) – packaging	186.3	79.7%	47.5	20.3%	233.7
Metal (non-ferrous) – non-packaging	43.2	55.7%	34.4	44.3%	77.6
Paper – office	830.8	72.3%	318.6	27.7%	1149.4
Paper – packaging	1369.2	88.6%	175.4	11.4%	1544.5
Paper – other	94.8	12.5%	666.3	87.5%	761
Plastic – EPS foam	175.5	68.1%	82.2	31.9%	257.8
Plastic – film packaging	2003.4	68.1%	936.8	31.9%	2940.2
Plastic – other	1958.4	99.9%	1.3	0.1%	1959.6
Plastic – rigid packaging	1540.5	65.6%	807.6	34.4%	2348.1
Rubber	5.4	100%	NA	NA	5.4
Textile – furniture	2.2	100%	NA	NA	2.2
Textile – carpet/underlay	0	0%	6.3	100%	6.3
Textile – mattress	1.2	100%	NA	NA	1.2
Textile – cloths & rags	112.8	100%	NA	NA	112.8
Wood – untreated pallets	483.6	23.9%	1542.7	76.1%	2026.3
Wood – treated pallets	47.9	54.4%	40.1	45.6%	88
Wood – other untreated	239.2	97.6%	5.9	2.4%	245.1

Wood – other treated/painted	628.6	97.5%	15.9	2.5%	644.6
Other (including fines <10 mm)	855	97.2%	24.6	2.8%	879.6
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	70.7	100%	NA	NA	70.7
<b>Total</b>	<b>26,122</b>	<b>33.1%</b>	<b>52,825.9</b>	<b>66.9%</b>	<b>78,947.9</b>

**Table 140: Total composition of C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	892.7	13.5%	5700	86.5%	6592.7
Cardboard – wet /wax	1995	99.6%	7.6	0.4%	2002.6
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	486.6	68.7%	221.6	31.3%	708.2
Food organics – unpackaged	6918.3	16.3%	35,632	83.7%	42,550.3
Garbage bags	2200.9	99.6%	7.9	0.4%	2208.8
Garden organics	95.6	100%	NA	NA	95.6
Glass – non-packaging	123.8	10.2%	1085.7	89.8%	1209.5
Glass – packaging	404.5	27.4%	1069.9	72.6%	1474.3
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	15.3	100%	NA	NA	15.3
Metal (ferrous) – packaging	9	5.6%	152.1	94.4%	161.1
Metal (ferrous) – non-packaging	362.3	62.8%	214.6	37.2%	576.9
Metal (non-ferrous) – packaging	110.6	76.6%	33.8	23.4%	144.5
Metal (non-ferrous) – non-packaging	20.4	56%	16.1	44%	36.5
Paper – office	613.1	66.4%	309.9	33.6%	922.9
Paper – packaging	1245.6	99.1%	11.8	0.9%	1257.4
Paper – other	86.2	13.2%	566.7	86.8%	652.9
Plastic – EPS foam	159.2	66.3%	80.8	33.7%	239.9
Plastic – film packaging	1808.9	75.8%	576.2	24.2%	2385.1
Plastic – other	1949.2	99.9%	1.3	0.1%	1950.4
Plastic – rigid packaging	902.1	54.3%	758.3	45.7%	1660.5
Rubber	5.4	100%	NA	NA	5.4
Textile – furniture	2.2	100%	NA	NA	2.2
Textile – carpet/underlay	NA	NA	6.3	100%	6.3
Textile – mattress	1.2	100%	0	0%	1.2
Textile – cloths & rags	94.1	100%	0	0%	94.1
Wood – untreated pallets	413.1	21.2%	1535.8	78.8%	1949
Wood – treated pallets	41.8	51%	40.1	49%	81.9
Wood – other untreated	239.2	97.6%	5.9	2.4%	245.1
Wood – other treated/painted	571.3	97.3%	15.9	2.7%	587.3
Other (including fines <10 mm)	827.8	97.1%	24.6	2.9%	852.4
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	11.7	100%	NA	NA	11.7
<b>Total</b>	<b>22,606.7</b>	<b>32%</b>	<b>48,075</b>	<b>68%</b>	<b>70,681.7</b>

**Table 141: Total composition of C&I waste streams - ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	169.05	10.2%	1494	89.8%	1663.07
Cardboard – wet /wax	10.15	72.5%	3.8	27.5%	13.98
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	5.26	100%	NA	NA	5.26
Food organics – unpackaged	1300.49	35.4%	2374.1	64.6%	3674.55
Garbage bags	NA	NA	NA	NA	NA
Garden organics	22.6	100%	NA	NA	22.6
Glass – non-packaging	285.43	87.2%	41.9	12.8%	327.3
Glass – packaging	149.74	58.8%	105.1	41.2%	254.79
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	26.22	100%	NA	NA	26.22
Metal (ferrous) – packaging	0.32	100%	NA	NA	0.32
Metal (ferrous)– non-packaging	0.3	2.9%	10	97.1%	10.3
Metal (non-ferrous) – packaging	75.66	84.7%	13.6	15.3%	89.28
Metal (non-ferrous) – non-packaging	22.72	55.4%	18.3	44.6%	41.02
Paper – office	217.73	96.1%	8.7	3.9%	226.45
Paper – packaging	123.52	43%	163.6	57%	287.1
Paper – other	8.55	7.9%	99.6	92.1%	108.11
Plastic – EPS foam	16.35	91.7%	1.5	8.3%	17.84
Plastic – film packaging	194.51	35%	360.6	65%	555.1
Plastic – other	9.18	100%	0	0%	9.18
Plastic – rigid packaging	638.33	92.8%	49.3	7.2%	687.65
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	18.69	100%	NA	NA	18.69
Wood – untreated pallets	70.48	91.1%	6.9	8.9%	77.34
Wood – treated pallets	6.06	100%	NA	NA	6.06
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	57.31	100%	NA	NA	57.31
Other (including fines <10 mm)	27.17	100%	NA	NA	27.17
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	59.01	100%	NA	NA	59.01
<b>Total</b>	<b>3514.81</b>	<b>42.5%</b>	<b>4750.9</b>	<b>57.5%</b>	<b>8265.71</b>



**Table 142: Total composition of C&I waste streams – SSROC**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	504.69	22%	1785.8	78%	2290.46
Cardboard – wet /wax	116.01	99.9%	0.1	0.1%	116.12
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	459.46	85.3%	78.9	14.7%	538.36
Food organics – unpackaged	2624.48	18.2%	11,823	81.8%	14,447.51
Garbage bags	292.65	97.5%	7.6	2.5%	300.25
Garden organics	47.6	100%	NA	NA	47.6
Glass – non-packaging	106.96	51.9%	99.3	48.1%	206.22
Glass – packaging	340.45	25.4%	1000.8	74.6%	1341.22
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	15.3	100%	NA	NA	15.3
Metal (ferrous) – packaging	2.41	1.7%	143.5	98.3%	145.93
Metal (ferrous) – non-packaging	12	50.1%	11.9	49.9%	23.92
Metal (non-ferrous) – packaging	81.35	79.7%	20.7	20.3%	102.05
Metal (non-ferrous) – non-packaging	20.45	62.6%	12.2	37.4%	32.68
Paper – office	448.34	63.7%	255.1	36.3%	703.41
Paper – packaging	200.71	95.3%	9.8	4.7%	210.55
Paper – other	44.51	8.2%	499.9	91.8%	544.37
Plastic – EPS foam	44.54	86.4%	7	13.6%	51.56
Plastic – film packaging	461.57	58.9%	321.6	41.1%	783.13
Plastic – other	475.18	99.8%	1	0.2%	476.15
Plastic – rigid packaging	699.08	61.4%	439.2	38.6%	1138.26
Rubber	0.71	100%	NA	NA	0.71
Textile – furniture	2	100%	NA	NA	2
Textile – carpet/underlay	0	0%	6.3	100%	6.35
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	73.33	100%	NA	NA	73.33
Wood – untreated pallets	1.1	100%	NA	NA	1.1
Wood – treated pallets	21.18	69.3%	9.4	30.7%	30.58
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	262.12	100%	NA	NA	262.12
Other (including fines <10 mm)	370.46	93.9%	24.1	6.1%	394.56
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	11.66	100%	NA	NA	11.66
<b>Total</b>	<b>7738.3</b>	<b>31.9%</b>	<b>16,557.2</b>	<b>68.1%</b>	<b>24,295.51</b>

**Table 143: Total composition of C&I waste streams – WSROC**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	336.58	8.6%	3565.6	91.4%	3902.22
Cardboard – wet /wax	1867.85	99.6%	7.5	0.4%	1875.33
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	13.78	8.8%	142.7	91.2%	156.52
Food organics – unpackaged	3816.2	13.8%	23,809	86.2%	27,625.19
Garbage bags	1891.82	100%	0.2	0%	1892.07
Garden organics	37.02	100%	NA	NA	37.02
Glass – non-packaging	16.85	1.7%	986.5	98.3%	1003.33
Glass – packaging	NA	NA	42.4	100%	42.37
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0	0%	8.6	100%	8.62
Metal (ferrous) – non-packaging	349.89	64.2%	195.1	35.8%	545.04
Metal (non-ferrous) – packaging	27.75	80.8%	6.6	19.2%	34.33
Metal (non-ferrous) – non-packaging	0	0%	1.7	100%	1.67
Paper – office	96.81	71.7%	38.3	28.3%	135.09
Paper – packaging	1024.12	99.9%	0.5	0.1%	1024.66
Paper – other	35.21	68%	16.6	32%	51.77
Plastic – EPS foam	109.12	59.9%	72.9	40.1%	182.05
Plastic – film packaging	1290.64	84.7%	233.3	15.3%	1523.94
Plastic – other	1442.98	100%	0.3	0%	1443.25
Plastic – rigid packaging	63.33	19%	270.5	81%	333.84
Rubber	3.31	100%	NA	NA	3.31
Textile – furniture	2.19	100%	NA	NA	2.19
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	2.14	100%	NA	NA	2.14
Wood – untreated pallets	388.97	20.2%	1535.8	79.8%	1924.81
Wood – treated pallets	20.65	40.2%	30.7	59.8%	51.36
Wood – other untreated	239.19	97.6%	5.9	2.4%	245.09
Wood – other treated/painted	302.46	95%	15.9	5%	318.4
Other (including fines <10 mm)	391.25	99.9%	0.5	0.1%	391.75
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>13,769.6</b>	<b>30.8%</b>	<b>30,987.2</b>	<b>69.2%</b>	<b>44,756.85</b>

**Table 144: Total composition of C&I waste streams – NSROC**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	58.45	30.9%	130.6	69.1%	189.01
Cardboard – wet /wax	11.14	100%	NA	NA	11.14
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	13.34	100%	NA	NA	13.34
Food organics – unpackaged	432.18	100%	NA	NA	432.18
Garbage bags	NA	NA	NA	NA	NA
Garden organics	7.92	100%	NA	NA	7.92
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	60.85	69.5%	26.7	30.5%	87.58
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	6.59	100%	NA	NA	6.59
Metal (ferrous) – non-packaging	0.42	5.3%	7.6	94.7%	7.98
Metal (non-ferrous) – packaging	1.12	14.5%	6.6	85.5%	7.68
Metal (non-ferrous) – non-packaging	0	0%	2.2	100%	2.19
Paper – office	64.95	83.7%	12.6	16.3%	77.57
Paper – packaging	15.26	91.6%	1.4	8.4%	16.66
Paper – other	7.61	13.6%	48.4	86.4%	55.98
Plastic – EPS foam	6.61	89.1%	0.8	10.9%	7.42
Plastic – film packaging	57.35	79.9%	14.5	20.1%	71.81
Plastic – other	6.13	100%	NA	NA	6.13
Plastic – rigid packaging	1306	96%	5.4	4%	135.5
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	1.21	100%	NA	NA	1.21
Textile – cloths & rags	18.59	100%	NA	NA	18.59
Wood – untreated pallets	22.27	100%	NA	NA	22.27
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	6.21	100%	NA	NA	6.21
Other (including fines <10 mm)	66.08	100%	NA	NA	66.08
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>994.32</b>	<b>79.5%</b>	<b>256.7</b>	<b>20.5%</b>	<b>1251.01</b>

**Table 145: Total composition of C&I waste streams – Hunter Councils Inc.**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	1500	9.5%	1425.8	90.5%	1575.8
Cardboard – wet /wax	10.15	72.5%	3.8	27.5%	13.98
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	5.26	100%	NA	NA	5.26
Food organics – unpackaged	1300.49	35.4%	2374.1	64.6%	3674.55
Garbage bags	NA	NA	NA	NA	NA
Garden organics	22.6	100%	NA	NA	22.6
Glass – non-packaging	285.43	87.2%	41.9	12.8%	327.3
Glass – packaging	149.74	58.8%	105.1	41.2%	254.79
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	26.22	100%	NA	NA	26.22
Metal (ferrous) – packaging	0.32	100%	NA	NA	0.32
Metal (ferrous) – non-packaging	0	0%	10	100%	100
Metal (non-ferrous) – packaging	75.66	84.7%	13.6	15.3%	89.28
Metal (non-ferrous) – non-packaging	22.72	55.4%	18.3	44.6%	41.02
Paper – office	217.35	96.1%	8.7	3.9%	226.07
Paper – packaging	117.3	41.8%	163.6	58.2%	280.88
Paper – other	7.03	6.6%	99.6	93.4%	106.6
Plastic – EPS foam	12.92	89.7%	1.5	10.3%	14.41
Plastic – film packaging	184.55	34%	357.6	66%	542.11
Plastic – other	5.84	100%	NA	NA	5.84
Plastic – rigid packaging	624.64	95.2%	31.4	4.8%	656.09
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	18.69	100%	NA	NA	18.69
Wood – untreated pallets	70.48	91.1%	6.9	8.9%	77.34
Wood – treated pallets	5.38	100%	NA	NA	5.38
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	51.65	100%	NA	NA	51.65
Other (including fines <10 mm)	25.63	100%	NA	NA	25.63
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	59.01	100%	NA	NA	59.01
<b>Total</b>	<b>3449.04</b>	<b>42.5%</b>	<b>4661.8</b>	<b>57.5%</b>	<b>8110.82</b>

**Table 146: Total detailed composition of C&I waste streams – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	507.4	6.1%	4746.4	57.5%	3001.9	36.4%	8255.7
Cardboard – wet /wax	8.6	0.4%	1871.4	92.8%	136.6	6.8%	2016.6
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	17.1	2.4%	177.6	24.9%	518.8	72.7%	713.5
Food organics – unpackaged	301.7	0.7%	36,733.2	79.5%	9189.9	19.9%	46,224.9
Garbage bags	16.2	0.7%	120.1	5.4%	2072.5	93.8%	2208.8
Garden organics	5.5	4.6%	26.7	22.6%	86	72.8%	118.2
Glass – non-packaging	37.5	2.4%	1226.1	79.8%	273.2	17.8%	1536.8
Glass – packaging	131.2	7.6%	797.3	46.1%	800.6	46.3%	1729.1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	41.5	100%	NA	NA	41.5
Metal (ferrous) – packaging	1.2	0.7%	144	89.2%	16.3	10.1%	161.5
Metal (ferrous) – non-packaging	3	0.5%	213.5	36.4%	370.7	63.1%	587.2
Metal (non-ferrous) – packaging	41	17.5%	87.6	37.5%	105.1	45%	233.7
Metal (non-ferrous) – non-packaging	19.3	24.8%	47.8	61.7%	10.5	13.5%	77.6
Paper – office	83.9	7.3%	425.7	37%	639.7	55.7%	1149.4
Paper – packaging	66	4.3%	1126.2	72.9%	352.3	22.8%	1544.5
Paper – other	25.6	3.4%	112.8	14.8%	622.7	81.8%	761
Plastic – EPS foam	24.2	9.4%	171	66.4%	62.5	24.2%	257.8
Plastic – film packaging	215	7.3%	1700	57.8%	1025.1	34.9%	2940.2
Plastic – other	49.9	2.5%	1713.2	87.4%	196.5	10%	1959.6
Plastic – rigid packaging	136.8	5.8%	1241.8	52.9%	969.5	41.3%	2348.1
Rubber	0.6	11.1%	4.8	88.9%	NA	NA	5.4
Textile – furniture	0	1%	2.2	99%	NA	NA	2.2
Textile – carpet/underlay	0	0%	6.3	100%	NA	NA	6.3
Textile – mattress	1.2	100%	NA	NA	NA	NA	1.2
Textile – cloths & rags	6.4	5.7%	37.6	33.3%	68.7	60.9%	112.8
Wood – untreated pallets	19.6	1%	1914.4	94.5%	92.3	4.6%	2026.3
Wood – treated pallets	21.9	24.9%	35.4	40.2%	30.7	34.9%	88
Wood – other untreated	0	0%	46.8	19.1%	198.3	80.9%	245.1
Wood – other treated/painted	66.9	10.4%	558.9	86.7%	18.7	2.9%	644.6
Other (including fines <10 mm)	92.4	10.5%	290.9	33.1%	496.2	56.4%	879.6
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	0.8	1.2%	40.9	57.9%	28.9	40.9%	70.7
<b>Total</b>	<b>1900.7</b>	<b>2.4%</b>	<b>55,662.5</b>	<b>70.5%</b>	<b>21,384.2</b>	<b>27.1%</b>	<b>78,947.4</b>

**Table 147: Total detailed composition of C&I waste streams – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	428.3	6.5%	4390.1	66.6%	1774.2	26.9%	6592.7
Cardboard – wet /wax	0.5	0%	1865.5	93.2%	136.6	6.8%	2002.6
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	15.3	2.2%	174.1	24.6%	518.8	73.3%	708.2
Food organics – unpackaged	195.6	0.5%	36,346.8	85.4%	6008	14.1%	42,550.3
Garbage bags	16.2	0.7%	120.1	5.4%	2072.5	93.8%	2208.8
Garden organics	0.3	0.3%	9.3	9.7%	86	90%	95.6
Glass – non-packaging	29.8	2.5%	1179.8	97.5%	NA	NA	1209.5
Glass – packaging	10.5	0.7%	667.4	45.3%	796.5	54%	1474.3
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	15.3	100%	NA	NA	15.3
Metal (ferrous) – packaging	1.2	0.7%	143.7	89.2%	16.3	10.1%	161.1
Metal (ferrous) – non-packaging	3	0.5%	203.2	35.2%	370.7	64.3%	576.9
Metal (non-ferrous) – packaging	27.1	18.7%	60.6	41.9%	56.8	39.3%	144.5
Metal (non-ferrous) – non-packaging	0.5	1.4%	33.8	92.6%	2.2	6%	36.5
Paper – office	58.8	6.4%	333.9	36.2%	530.2	57.5%	922.9
Paper – packaging	42.9	3.4%	1031	82%	183.5	14.6%	1257.4
Paper – other	19.4	3%	97	14.9%	536.5	82.2%	652.9
Plastic – EPS foam	18	7.5%	164.1	68.4%	57.8	24.1%	239.9
Plastic – film packaging	179.7	7.5%	1628.5	68.3%	576.9	24.2%	2385.1
Plastic – other	47.7	2.4%	1706.2	87.5%	196.5	10.1%	1950.4
Plastic – rigid packaging	31.2	1.9%	1063.5	64.1%	565.8	34.1%	1660.5
Rubber	0.6	11.1%	4.8	88.9%	NA	NA	5.4
Textile – furniture	0	1%	2.2	99%	NA	NA	2.2
Textile – carpet/underlay	NA	NA	6.3	100%	NA	NA	6.3
Textile – mattress	1.2	100%	NA	NA	NA	NA	1.2
Textile – cloths & rags	5.9	6.3%	19.5	20.7%	68.7	73.1%	94.1
Wood – untreated pallets	0	0%	1903.7	97.7%	45.3	2.3%	1949
Wood – treated pallets	16.4	20%	34.8	42.5%	30.7	37.5%	81.9
Wood – other untreated	0	0%	46.8	19.1%	198.3	80.9%	245.1
Wood – other treated/painted	22.5	3.8%	546	93%	18.7	3.2%	587.3
Other (including fines <10 mm)	90.3	10.6%	265.9	31.2%	496.2	58.2%	852.4
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	0.8	7.1%	10.8	92.9%	NA	NA	11.7
<b>Total</b>	<b>1263.2</b>	<b>1.8%</b>	<b>54,074.7</b>	<b>76.5%</b>	<b>15,343.8</b>	<b>21.7%</b>	<b>70,681.7</b>

**Table 148: Total detailed composition of C&I waste streams – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard – dry	79.1	4.8%	356.3	21.4%	1227.6	73.8%	1663.1
Cardboard – wet /wax	8.1	58%	5.9	42%	0	0%	14
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	1.8	34.5%	3.4	65.5%	NA	NA	5.3
Food organics – unpackaged	106.1	2.9%	386.5	10.5%	3181.9	86.6%	3674.5
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	5.1	22.8%	17.5	77.2%	NA	NA	22.6
Glass – non-packaging	7.8	2.4%	46.4	14.2%	273.2	83.5%	327.3
Glass – packaging	120.7	47.4%	130	51%	4.1	1.6%	254.8
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	26.2	100%	NA	NA	26.2
Metal (ferrous) – packaging	NA	NA	0.3	100%	NA	NA	0.3
Metal (ferrous) – non-packaging	NA	NA	10.3	100%	NA	NA	10.3
Metal (non-ferrous) – packaging	13.9	15.6%	27.1	30.3%	48.3	54.1%	89.3
Metal (non-ferrous) – non-packaging	18.8	45.7%	14	34.1%	8.3	20.2%	41
Paper – office	25.2	11.1%	91.8	40.5%	109.5	48.4%	226.5
Paper – packaging	23.1	8%	95.3	33.2%	168.8	58.8%	287.1
Paper – other	6.2	5.7%	15.8	14.6%	86.1	79.7%	108.1
Plastic – EPS foam	6.3	35.1%	6.9	38.8%	4.7	26.1%	17.8
Plastic – film packaging	35.3	6.4%	71.6	12.9%	448.2	80.7%	555.1
Plastic – other	2.2	23.9%	7	76.1%	0	0%	9.2
Plastic – rigid packaging	105.6	15.4%	178.3	25.9%	403.7	58.7%	687.7
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0.5	2.9%	18.1	97.1%	0	0%	18.7
Wood – untreated pallets	19.6	25.3%	10.7	13.9%	47	60.8%	77.3
Wood – treated pallets	5.5	90.1%	0.6	9.9%	NA	NA	6.1
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	44.4	77.5%	12.9	22.5%	NA	NA	57.3
Other (including fines <10 mm)	2.2	8.1%	25	91.9%	NA	NA	27.2
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	0	0%	30.1	51%	28.9	49%	59
<b>Total</b>	<b>637.5</b>	<b>7.7%</b>	<b>1587.8</b>	<b>19.2%</b>	<b>6040.4</b>	<b>73.1%</b>	<b>8265.7</b>

**Table 149: Total detailed composition of C&I waste streams – SSROC**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	123.6	5.4%	1229	53.7%	937.9	40.9%	2290.5
Cardboard - wet /wax	0.1	0.1%	33.3	28.6%	82.8	71.3%	116.1
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	1.9	0.4%	157.9	29.3%	378.5	70.3%	538.4
Food organics – unpackaged	94.2	0.7%	12,577.7	87.1%	1775.6	12.3%	14,447.5
Garbage bags	12.6	4.2%	53.3	17.8%	234.3	78%	300.3
Garden organics	0.1	0.2%	9.3	19.5%	38.2	80.3%	47.6
Glass – non-packaging	25.4	12.3%	180.8	87.7%	0	0%	206.2
Glass – packaging	8.3	0.6%	648.2	48.3%	684.7	51.1%	1341.2
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	0	0%	15.3	100%	0	0%	15.3
Metal (ferrous) – packaging	1.2	0.8%	143.7	98.5%	1.1	0.7%	145.9
Metal (ferrous) – non-packaging	2.8	11.7%	21.1	88.3%	0	0%	23.9
Metal (non-ferrous) – packaging	3.5	3.4%	53.6	52.5%	45	44.1%	102
Metal (non-ferrous) – non-packaging	0.5	1.5%	32.2	98.5%	0	0%	32.7
Paper – office	29.4	4.2%	302.5	43%	371.6	52.8%	703.4
Paper – packaging	12.9	6.1%	55.9	26.5%	141.7	67.3%	210.5
Paper – other	12.2	2.2%	64.6	11.9%	467.6	85.9%	544.4
Plastic – EPS foam	1.6	3.1%	27.4	53.2%	22.5	43.6%	51.6
Plastic – film packaging	32.6	4.2%	613.4	78.3%	137.2	17.5%	783.1
Plastic – other	11.9	2.5%	464.2	97.5%	0	0%	476.2
Plastic – rigid packaging	21.8	1.9%	722.7	63.5%	393.7	34.6%	1138.3
Rubber	0.4	58.7%	0.3	41.3%	0	0%	0.7
Textile – furniture	0	100%	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	6.3	100%	NA	NA	6.3
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	5.4	7.4%	17	23.2%	50.9	69.4%	73.3
Wood – untreated pallets	0	0%	1.1	100%	0	0%	1.1
Wood – treated pallets	16.4	53.7%	14.2	46.3%	0	0%	30.6
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	15.5	5.9%	243.8	93%	2.8	1.1%	262.1
Other (including fines <10 mm)	33.9	8.6%	137.7	34.9%	223	56.5%	394.6
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	0.8	7.1%	10.8	92.9%	NA	NA	11.7
<b>Total</b>	<b>469.2</b>	<b>1.9%</b>	<b>17,837.3</b>	<b>73.4%</b>	<b>5989</b>	<b>24.7%</b>	<b>24,295.5</b>



**Table 150: Total detailed composition of C&I waste streams – WSROC**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	260.3	6.7%	2966.5	76%	675.5	17.3%	3902.2
Cardboard – wet /wax	0	0%	1832.3	97.7%	43	2.3%	1875.3
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	16.2	10.4%	140.3	89.6%	156.5
Food organics – unpackaged	17.8	0.1%	23,767.2	86%	3840.1	13.9%	27,625.2
Garbage bags	3.6	0.2%	50.3	2.7%	1838.2	97.2%	1892.1
Garden organics	0	0%	0	0%	37	100%	37
Glass – non-packaging	4.4	0.4%	999	99.6%	0	0%	1003.3
Glass – packaging	0.1	0.3%	17.2	40.6%	25	59%	42.4
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0	0%	0	0%	8.6	100%	8.6
Metal (ferrous) – non-packaging	0.2	0%	181.7	33.3%	363.2	66.6%	545
Metal (non-ferrous) – packaging	18.9	54.9%	6.6	19.2%	8.9	25.8%	34.3
Metal (non-ferrous) – non-packaging	NA	NA	1.7	100%	NA	NA	1.7
Paper – office	24.8	18.4%	28.7	21.2%	81.6	60.4%	135.1
Paper – packaging	29.6	2.9%	969.5	94.6%	25.5	2.5%	1024.7
Paper – other	2.2	4.2%	23.3	45%	26.3	50.7%	51.8
Plastic – EPS foam	15.2	8.4%	135.4	74.4%	31.4	17.3%	182.1
Plastic – film packaging	138.2	9.1%	993.6	65.2%	392.2	25.7%	1523.9
Plastic – other	32.6	2.3%	1236.5	85.7%	174.1	12.1%	1443.3
Plastic – rigid packaging	6.9	2.1%	287.5	86.1%	39.5	11.8%	333.8
Rubber	0.2	5.7%	3.1	94.3%	NA	NA	3.3
Textile – furniture	0	0%	2.2	100%	NA	NA	2.2
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	0.7%	2.1	99.3%	0	0%	2.1
Wood – untreated pallets	NA	NA	1901.8	98.8%	23	1.2%	1924.8
Wood – treated pallets	NA	NA	20.7	40.2%	30.7	59.8%	51.4
Wood – other untreated	NA	NA	46.8	19.1%	198.3	80.9%	245.1
Wood – other treated/painted	6.4	2%	296	93%	15.9	5%	318.4
Other (including fines <10 mm)	52.9	13.5%	123	31.4%	215.9	55.1%	391.7
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>613.8</b>	<b>1.4%</b>	<b>35,908.9</b>	<b>80.2%</b>	<b>8234.1</b>	<b>18.4%</b>	<b>44,756.9</b>

**Table 151: Total detailed composition of C&I waste streams – NSROC**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	56.6	29.9%	25.9	13.7%	106.5	56.4%	189
Cardboard – wet /wax	0.4	3.4%	0	0%	10.8	96.6%	11.1
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	13.3	100%	NA	NA	NA	NA	13.3
Food organics – unpackaged	83.3	19.3%	1.8	0.4%	347.1	80.3%	432.2
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	0.2	2.6%	NA	NA	7.7	97.4%	7.9
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	2	2.3%	2	2.3%	83.6	95.5%	87.6
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	6.6	100%	6.6
Metal (ferrous)– non-packaging	0	0%	0.4	5.3%	7.6	94.7%	8
Metal (non-ferrous) – packaging	4.7	61.5%	0.3	4.1%	2.6	34.4%	7.7
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	2.2	100%	2.2
Paper – office	4.5	5.8%	2.7	3.5%	70.4	90.7%	77.6
Paper – packaging	0.4	2.4%	NA	NA	16.3	97.6%	16.7
Paper – other	4.3	7.7%	9	16.1%	42.7	76.3%	56
Plastic – EPS foam	3.3	44.7%	0.2	2.4%	3.9	52.9%	7.4
Plastic – film packaging	13.8	19.2%	10.5	14.6%	47.5	66.2%	71.8
Plastic – other	3.1	51.1%	3	48.9%	0	0%	6.1
Plastic – rigid packaging	2.4	1.8%	0.5	0.4%	132.6	97.8%	135.5
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	1.2	100%	NA	NA	NA	NA	1.2
Textile – cloths & rags	0.5	2.5%	0.3	1.7%	17.8	95.7%	18.6
Wood – untreated pallets	NA	NA	NA	NA	22.3	100%	22.3
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	0.6	9%	5.6	91%	NA	NA	6.2
Other (including fines <10 mm)	3.5	5.3%	5.3	8%	57.3	86.7%	66.1
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>198</b>	<b>15.8%</b>	<b>67.6</b>	<b>5.4%</b>	<b>985.4</b>	<b>78.8%</b>	<b>1251</b>

**Table 152: Total detailed composition of C&I waste streams – Hunter Councils Inc.**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	63.2	4%	285	18.1%	1227.6	77.9%	1575.8
Cardboard – wet /wax	8.1	58%	5.9	42%	0	0%	14
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	1.8	34.5%	3.4	65.5%	0	0%	5.3
Food organics – unpackaged	106.1	2.9%	386.5	10.5%	3181.9	86.6%	3674.5
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	5.1	22.8%	17.5	77.2%	0	0%	22.6
Glass – non-packaging	7.8	2.4%	46.4	14.2%	273.2	83.5%	327.3
Glass – packaging	120.7	47.4%	130	51%	4.1	1.6%	254.8
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	26.2	100%	NA	NA	26.2
Metal (ferrous) – packaging	NA	NA	0.3	100%	NA	NA	0.3
Metal (ferrous) – non-packaging	NA	NA	10	100%	NA	NA	10
Metal (non-ferrous) – packaging	13.9	15.6%	27.1	30.3%	48.3	54.1%	89.3
Metal (non-ferrous) – non-packaging	18.8	45.7%	14	34.1%	8.3	20.2%	41
Paper – office	25.2	11.1%	91.4	40.4%	109.5	48.4%	226.1
Paper – packaging	23.1	8.2%	89	31.7%	168.8	60.1%	280.9
Paper – other	4.7	4.4%	15.8	14.8%	86.1	80.8%	106.6
Plastic – EPS foam	3.9	26.8%	5.9	40.9%	4.7	32.3%	14.4
Plastic – film packaging	26.9	5%	67	12.4%	448.2	82.7%	542.1
Plastic – other	2.2	37.6%	3.6	62.4%	NA	NA	5.8
Plastic – rigid packaging	104.8	16%	147.6	22.5%	403.7	61.5%	656.1
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0.5	2.9%	18.1	97.1%	0	0%	18.7
Wood – untreated pallets	19.6	25.3%	10.7	13.9%	47	60.8%	77.3
Wood – treated pallets	4.8	89.1%	0.6	10.9%	NA	NA	5.4
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	44.4	85.9%	7.3	14.1%	NA	NA	51.6
Other (including fines <10 mm)	2.2	8.5%	23.4	91.5%	NA	NA	25.6
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	30.1	51%	28.9	49%	59
<b>Total</b>	<b>607.7</b>	<b>7.5%</b>	<b>1462.7</b>	<b>18%</b>	<b>6040.4</b>	<b>74.5%</b>	<b>8110.8</b>

**Table 153: C– Manufacturing C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	249.97	9.7%	2335.7	90.3%	2585.68
Cardboard – wet /wax	36.13	82.9%	7.5	17.1%	43.61
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	13.34	8.5%	142.7	91.5%	156.08
Food organics – unpackaged	2102.33	8%	24,217.8	92%	26,320.11
Garbage bags	1853.61	100%	0.1	0%	1853.71
Garden organics	37.02	100%	NA	NA	37.02
Glass – non-packaging	119.45	9.6%	1125.4	90.4%	1244.86
Glass – packaging	2.15	5%	40.9	95%	43.07
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0	0%	8.6	100%	8.62
Metal (ferrous) – non-packaging	338.26	62.1%	206.9	37.9%	545.13
Metal (non-ferrous) – packaging	4.84	20.9%	18.4	79.1%	23.21
Metal (non-ferrous) – non-packaging	4.85	18.3%	21.7	81.7%	26.56
Paper – office	142.16	97.9%	3	2.1%	145.18
Paper – packaging	547.82	77.9%	155	22.1%	702.84
Paper – other	22.15	15.3%	122.2	84.7%	144.39
Plastic – EPS foam	7.41	100%	0	0%	7.41
Plastic – film packaging	864.83	56.5%	665.6	43.5%	1530.38
Plastic – other	622.49	99.8%	1.2	0.2%	623.72
Plastic – rigid packaging	286.01	48%	310.2	52%	596.17
Rubber	1.42	100%	NA	NA	1.42
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	6.3	100%	6.35
Textile – mattress	1.21	100%	0	0%	1.21
Textile – cloths & rags	6.81	100%	0	0%	6.81
Wood – untreated pallets	60.99	75.6%	19.7	24.4%	80.65
Wood – treated pallets	16.43	63.6%	9.4	36.4%	25.83
Wood – other untreated	192.41	100%	NA	NA	192.41
Wood – other treated/painted	189.49	100%	NA	NA	189.49
Other (including fines <10 mm)	320.52	98.9%	3.6	1.1%	324.16
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>8044.12</b>	<b>21.5%</b>	<b>29,422</b>	<b>78.5%</b>	<b>37,466.07</b>

**Table 154: C– Manufacturing C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	205.71	14.7%	1195.4	85.3%	1401.09
Cardboard – wet /wax	35.95	82.8%	7.5	17.2%	43.43
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	13.34	8.5%	142.7	91.5%	156.08
Food organics – unpackaged	1506.14	6.4%	21,961.8	93.6%	23,467.92
Garbage bags	1853.61	100%	0.1	0%	1853.71
Garden organics	37.02	100%	NA	NA	37.02
Glass – non-packaging	117.35	9.8%	1085.7	90.2%	1203.08
Glass – packaging	5	0.1%	40.6	99.9%	40.61
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0	0%	8.6	100%	8.62
Metal (ferrous) – non-packaging	338.26	62.1%	206.9	37.9%	545.13
Metal (non-ferrous) – packaging	4.52	31.2%	10	68.8%	14.47
Metal (non-ferrous) – non-packaging	2.24	13.9%	13.9	86.1%	16.14
Paper – office	104.06	97.2%	3	2.8%	107.05
Paper – packaging	444.16	98%	9.2	2%	453.33
Paper – other	18.82	34%	36.6	66%	55.41
Plastic – EPS foam	7.39	100%	NA	NA	7.39
Plastic – film packaging	782.17	70.9%	320.3	29.1%	1102.49
Plastic – other	617.75	99.8%	1.2	0.2%	618.97
Plastic – rigid packaging	41.23	11.8%	307.8	88.2%	349.02
Rubber	1.42	100%	NA	NA	1.42
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	6.3	100%	6.35
Textile – mattress	1.21	100%	NA	NA	1.21
Textile – cloths & rags	6.81	100%	NA	NA	6.81
Wood – untreated pallets	13.98	52.2%	12.8	47.8%	26.78
Wood – treated pallets	16.43	63.6%	9.4	36.4%	25.83
Wood – other untreated	192.41	100%	NA	NA	192.41
Wood – other treated/painted	158.33	100%	NA	NA	158.33
Other (including fines <10 mm)	320.52	98.9%	3.6	1.1%	324.16
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>6840.89</b>	<b>21.2%</b>	<b>25,383.4</b>	<b>78.8%</b>	<b>32,224.26</b>

**Table 155: C– Manufacturing C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	44.26	3.7%	1140.3	96.3%	1184.6
Cardboard – wet /wax	0.18	100%	0	0%	0.18
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	596.19	20.9%	2256	79.1%	2852.19
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	2.1	5%	39.7	95%	41.77
Glass – packaging	2.1	85.5%	0.4	14.5%	2.46
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0.33	3.7%	8.4	96.3%	8.74
Metal (non-ferrous) – non-packaging	2.62	25.1%	7.8	74.9%	10.42
Paper – office	38.1	99.9%	0	0.1%	38.13
Paper – packaging	103.65	41.5%	145.9	58.5%	249.51
Paper – other	3.32	3.7%	85.7	96.3%	88.98
Plastic – EPS foam	2	100%	NA	NA	2
Plastic – film packaging	82.65	19.3%	345.2	80.7%	427.89
Plastic – other	4.75	100%	0	0%	4.75
Plastic – rigid packaging	244.78	99%	2.4	1%	247.15
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	47.01	87.3%	6.9	12.7%	53.87
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	31.16	100%	NA	NA	31.16
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>1203.23</b>	<b>23%</b>	<b>4038.6</b>	<b>77%</b>	<b>5241.81</b>

**Table 156: C– Manufacturing Total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	115	4%	1083	42%	1388	54%	2586
Cardboard – wet /wax	1	1%	NA	NA	43	99%	44
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	13	9%	16	10%	127	81%	156
Food organics – unpackaged	119	0%	19,588	74%	6613	25%	2632
Garbage bags	9	0%	36	2%	1809	98%	1854
Garden organics	NA	NA	NA	NA	37	100%	37
Glass – non-packaging	25	2%	1220	98%	0	0%	1245
Glass – packaging	2	6%	20	46%	21	49%	43
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0	0%	0	0%	9	100%	9
Metal (ferrous) – non-packaging	3	1%	182	33%	360	66%	545
Metal (non-ferrous) – packaging	5	22%	6	25%	12	53%	23
Metal (non-ferrous) – non-packaging	4	14%	23	86%	NA	NA	27
Paper – office	18	13%	89	61%	38	26%	145
Paper – packaging	27	4%	484	69%	192	27%	703
Paper – other	6	4%	19	13%	119	82%	144
Plastic – EPS foam	1	8%	7	92%	NA	NA	7
Plastic – film packaging	33	2%	843	55%	654	43%	1530
Plastic – other	8	1%	444	71%	171	27%	624
Plastic – rigid packaging	19	3%	323	54%	254	43%	596
Rubber	NA	NA	1	100%	NA	NA	1
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	6	100%	NA	NA	6
Textile – mattress	1	100%	NA	NA	NA	NA	1
Textile – cloths & rags	5	72%	2	28%	NA	NA	7
Wood – untreated pallets	0	0%	34	42%	47	58%	81
Wood – treated pallets	16	64%	9	36%	NA	NA	26
Wood – other untreated	NA	NA	NA	NA	192	100%	192
Wood – other treated/painted	46	24%	144	76%	0	0%	189
Other (including fines <10 mm)	25	8%	147	45%	152	47%	324
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>502</b>	<b>1%</b>	<b>24,726</b>	<b>66%</b>	<b>12,238</b>	<b>33%</b>	<b>37,466</b>

**Table 157: C– Manufacturing Total detailed composition - SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	104	7%	1016	73%	281	20%	1401
Cardboard – wet /wax	0	1%	0	0%	43	99%	43
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	13	9%	16	10%	127	81%	156
Food organics – unpackaged	108	0%	19,583	83%	3777	16%	23,468
Garbage bags	9	0%	36	2%	1809	98%	1854
Garden organics	NA	NA	NA	NA	37	100%	37
Glass – non-packaging	25	2%	1178	98%	0	0%	1203
Glass – packaging	2	5%	18	43%	21	52%	41
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	100%	9
Metal (ferrous) – non-packaging	3	1%	182	33%	360	66%	545
Metal (non-ferrous) – packaging	5	34%	5	38%	4	28%	14
Metal (non-ferrous) – non-packaging	1	3%	16	97%	NA	NA	16
Paper – office	16	15%	81	76%	10	10%	107
Paper – packaging	10	2%	420	93%	23	5%	453
Paper – other	4	7%	18	33%	33	60%	55
Plastic – EPS foam	1	8%	7	92%	0	0%	7
Plastic – film packaging	32	3%	836	76%	235	21%	1102
Plastic – other	6	1%	442	71%	171	28%	619
Plastic – rigid packaging	16	5%	312	90%	21	6%	349
Rubber	NA	NA	1	100%	NA	NA	1
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	6	100%	NA	NA	6
Textile – mattress	1	100%	NA	NA	NA	NA	1
Textile – cloths & rags	5	72%	2	28%	NA	NA	7
Wood – untreated pallets	NA	NA	27	100%	NA	NA	27
Wood – treated pallets	16	64%	9	36%	NA	NA	26
Wood – other untreated	NA	NA	NA	NA	192	100%	192
Wood – other treated/painted	16	10%	143	90%	0	0%	158
Other (including fines <10 mm)	25	8%	147	45%	152	47%	324
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>418</b>	<b>1%</b>	<b>24,502</b>	<b>76%</b>	<b>7305</b>	<b>23%</b>	<b>32,224</b>



**Table 158: C– Manufacturing Total detailed composition - ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	11	1%	67	6%	1107	93%	1185
Cardboard – wet /wax	0	100%	NA	NA	NA	NA	0
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	11	0%	5	0%	2836	99%	2852
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	0	0%	42	100%	NA	NA	42
Glass – packaging	0	15%	2	85%	NA	NA	2
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0	1%	0	4%	8	95%	9
Metal (non-ferrous) – non-packaging	3	32%	7	68%	NA	NA	10
Paper – office	3	7%	8	21%	28	72%	38
Paper – packaging	17	7%	64	26%	169	68%	250
Paper – other	2	3%	1	2%	85	96%	89
Plastic – EPS foam	0	100%	NA	NA	NA	NA	0
Plastic – film packaging	2	0%	7	2%	420	98%	428
Plastic – other	2	46%	3	54%	NA	NA	5
Plastic – rigid packaging	3	1%	11	4%	233	94%	247
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	7	13%	47	87%	54
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	30	96%	1	4%	0	0%	31
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>85</b>	<b>2%</b>	<b>224</b>	<b>4%</b>	<b>4933</b>	<b>94%</b>	<b>5242</b>

**Table 159: C11 – Food Manufacturing C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	235.27	9.3%	2283.7	90.7%	2518.92
Cardboard – wet /wax	36.13	82.9%	7.5	17.1%	43.61
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	13.34	8.5%	142.7	91.5%	156.08
Food organics – unpackaged	2091.15	7.9%	24,217.8	92.1%	26,308.92
Garbage bags	1845.03	100%	0.1	0%	1845.13
Garden organics	37.02	100%	NA	NA	37.02
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	39.3	100%	39.34
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	8.6	100%	8.62
Metal (ferrous) – non-packaging	330.27	74.9%	111	25.1%	441.24
Metal (non-ferrous) – packaging	4.46	19.7%	18.2	80.3%	22.69
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	138.21	99.8%	0.3	0.2%	138.51
Paper – packaging	544.59	77.8%	155	22.2%	699.61
Paper – other	4.72	3.8%	118.9	96.2%	123.67
Plastic – EPS foam	6.21	100%	0	0%	6.21
Plastic – film packaging	840.55	56%	661.5	44%	1502.07
Plastic – other	609.5	99.8%	1	0.2%	610.48
Plastic – rigid packaging	255.83	45.4%	307.6	54.6%	563.38
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	0	0%	6.3	100%	6.35
Textile – mattress	1.21	100%	0	0%	1.21
Textile – cloths & rags	2.06	100%	0	0%	2.06
Wood – untreated pallets	60.21	82.5%	12.8	17.5%	73.01
Wood – treated pallets	16.43	63.6%	9.4	36.4%	25.83
Wood – other untreated	192.41	100%	NA	NA	192.41
Wood – other treated/painted	38.83	100%	NA	NA	38.83
Other (including fines <10 mm)	307.99	98.8%	3.6	1.2%	311.62
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>7611.44</b>	<b>21.3%</b>	<b>28,105.4</b>	<b>78.7%</b>	<b>35,716.85</b>

**Table 160: C11 – Food Manufacturing C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	192.47	14.4%	1146.4	85.6%	1338.91
Cardboard – wet /wax	35.95	82.8%	7.5	17.2%	43.43
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	13.34	8.5%	142.7	91.5%	156.08
Food organics – unpackaged	1500.11	6.4%	21,961.8	93.6%	23,461.88
Garbage bags	1845.03	100%	0.1	0%	1845.13
Garden organics	37.02	100%	NA	NA	37.02
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	39.2	100%	39.24
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	8.6	100%	8.62
Metal (ferrous) – non-packaging	330.27	74.9%	111	25.1%	441.24
Metal (non-ferrous) – packaging	4.45	31.2%	9.8	68.8%	14.28
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	101.65	99.7%	0.3	0.3%	101.93
Paper – packaging	443.53	98%	9.2	2%	452.7
Paper – other	4.72	12.4%	33.4	87.6%	38.09
Plastic – EPS foam	6.19	100%	NA	NA	6.19
Plastic – film packaging	759.80	70.4%	319.4	29.6%	1079.21
Plastic – other	607.31	99.8%	1	0.2%	608.28
Plastic – rigid packaging	12.76	4%	305.5	96%	318.21
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	0	0%	6.3	100%	6.35
Textile – mattress	1.21	100%	NA	NA	1.21
Textile – cloths & rags	2.06	100%	NA	NA	2.06
Wood – untreated pallets	13.2	50.8%	12.8	49.2%	26
Wood – treated pallets	16.43	63.6%	9.4	36.4%	25.83
Wood – other untreated	192.41	100%	NA	NA	192.41
Wood – other treated/painted	38.83	100%	NA	NA	38.83
Other (including fines <10 mm)	307.99	98.8%	3.6	1.2%	311.62
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>6466.74</b>	<b>21.1%</b>	<b>24,128</b>	<b>78.9%</b>	<b>30,594.75</b>

**Table 161: C11 - Food Manufacturing C&I waste streams - ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	42.8	3.6%	1137.2	96.4%	11,801
Cardboard – wet /wax	0.18	100%	0	0%	0.18
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	591.04	20.8%	2256	79.2%	2847.04
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	0.1	100%	0.1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	01	0.1%	8.4	99.9%	8.41
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	36.56	99.9%	0	0.1%	36.59
Paper – packaging	101.06	40.9%	145.9	59.1%	246.91
Paper – other	NA	NA	85.6	100%	85.59
Plastic – EPS foam	2	100%	NA	NA	2
Plastic – film packaging	80.76	19.1%	342.1	80.9%	422.87
Plastic – other	2.2	100%	0	0%	2.2
Plastic – rigid packaging	243.07	99.1%	2.1	0.9%	245.17
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	47.01	100%	NA	NA	47.01
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>1144.7</b>	<b>22.3%</b>	<b>3977.4</b>	<b>77.7%</b>	<b>5122.1</b>

**Table 162: C11- Food Manufacturing total detailed composition - All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard – dry	93	4%	1038	41%	1388	55%	2519
Cardboard – wet /wax	1	1%	v	0%	43	99%	44
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	13	9%	16	10%	127	81%	156
Food organics – unpackaged	118	0%	19,578	74%	6613	25%	26,309
Garbage bags	7	0%	30	2%	1809	98%	1845
Garden organics	0	0%	0	0%	37	100%	37
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	2	4%	17	42%	21	53%	39
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	0%	9	100%	9
Metal (ferrous) – non-packaging	0	0%	81	18%	360	82%	441
Metal (non-ferrous) – packaging	5	21%	5	24%	12	55%	23
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	12	9%	88	64%	38	27%	139
Paper – packaging	25	4%	482	69%	192	27%	700
Paper – other	1	1%	4	3%	119	96%	124
Plastic – EPS foam	0	4%	6	96%	NA	NA	6
Plastic – film packaging	24	2%	824	55%	654	44%	1502
Plastic – other	5	1%	434	71%	171	28%	610
Plastic – rigid packaging	5	1%	304	54%	254	45%	563
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	6	100%	NA	NA	6
Textile – mattress	1	100%	NA	NA	NA	NA	1
Textile – cloths & rags	0	23%	2	77%	NA	NA	2
Wood – untreated pallets	0	0%	26	36%	47	64%	73
Wood – treated pallets	16	64%	9	36%	0	0%	26
Wood – other untreated	NA	NA	NA	NA	192	100%	192
Wood – other treated/painted	NA	NA	39	100%	NA	NA	39
Other (including fines <10 mm)	20	7%	139	45%	152	49%	312
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>350</b>	<b>1%</b>	<b>23,129</b>	<b>65%</b>	<b>12,238</b>	<b>34%</b>	<b>35,717</b>

**Table 163: C11- Food Manufacturing total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	84	6%	974	73%	281	21%	1339
Cardboard – wet /wax	0	1%	0	0%	43	99%	43
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	13	9%	16	10%	127	81%	156
Food organics – unpackaged	107	0%	19,578	83%	3777	16%	23,462
Garbage bags	7	0%	30	2%	1809	98%	1845
Garden organics	NA	NA	NA	NA	37	100%	37
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	2	4%	17	42%	21	53%	39
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	9	100%	9
Metal (ferrous) – non-packaging	0	0%	81	18%	360	82%	441
Metal (non-ferrous) – packaging	5	34%	5	38%	4	29%	14
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	11	11%	80	79%	10	10%	102
Paper – packaging	10	2%	420	93%	23	5%	453
Paper – other	1	3%	4	10%	33	88%	38
Plastic – EPS foam	0	3%	6	97%	NA	NA	6
Plastic – film packaging	23	2%	821	76%	235	22%	1079
Plastic – other	3	1%	434	71%	171	28%	608
Plastic – rigid packaging	4	1%	294	92%	21	6%	318
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	6	100%	NA	NA	6
Textile – mattress	1	100%	NA	NA	NA	NA	1
Textile – cloths & rags	0	23%	2	77%	NA	NA	2
Wood – untreated pallets	NA	NA	26	100%	NA	NA	26
Wood – treated pallets	16	64%	9	36%	NA	NA	26
Wood – other untreated	NA	NA	NA	NA	192	100%	192
Wood – other treated/painted	NA	NA	39	100%	NA	NA	39
Other (including fines <10 mm)	20	7%	139	45%	152	49%	312
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>308</b>	<b>1%</b>	<b>22,982</b>	<b>75%</b>	<b>7305</b>	<b>24%</b>	<b>30,595</b>

**Table 164: C11- Food Manufacturing total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	10	1%	63	5%	1107	94%	1180
Cardboard – wet /wax	0	100%	0	0%	0	0%	0
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	11	0%	0	0%	2836	100%	2847
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	0	100%	NA	NA	NA	NA	0
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	NA	NA	0	1%	8	99%	8
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	1	3%	8	21%	28	75%	37
Paper – packaging	15	6%	63	25%	169	68%	247
Paper – other	0	0%	0	0%	85	100%	86
Plastic – EPS foam	0	100%	NA	NA	NA	NA	0
Plastic – film packaging	1	0%	2	1%	420	99%	423
Plastic – other	2	100%	NA	NA	NA	NA	2
Plastic – rigid packaging	1	0%	11	4%	233	95%	245
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	0	0%	0	0%	47	100%	47
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>42</b>	<b>1%</b>	<b>147</b>	<b>3%</b>	<b>4933</b>	<b>96%</b>	<b>5122</b>

**Table 165: C – Other Manufacturing C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	14.7	22%	52.1	78%	66.76
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	11.18	100%	0	0%	11.18
Garbage bags	8.58	100%	0	0%	8.58
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	119.45	9.6%	1125.4	90.4%	1244.86
Glass – packaging	2.15	57.8%	1.6	42.2%	3.72
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	7.98	7.7%	95.9	92.3%	103.89
Metal (non-ferrous) – packaging	0.38	73.1%	0.1	26.9%	0.52
Metal (non-ferrous) – non-packaging	4.85	18.3%	21.7	81.7%	26.56
Paper – office	3.95	59.3%	2.7	40.7%	6.66
Paper – packaging	3.23	100%	0	0%	3.23
Paper – other	17.42	84.1%	3.3	15.9%	20.72
Plastic – EPS foam	1.20	100%	0	0%	1.2
Plastic – film packaging	24.27	85.8%	4	14.2%	28.31
Plastic – other	12.99	98.2%	0.2	1.8%	13.24
Plastic – rigid packaging	30.18	92.1%	2.6	7.9%	32.78
Rubber	1.42	100%	0	0%	1.42
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	4.75	100%	0	0%	4.75
Wood – untreated pallets	0.78	10.2%	6.9	89.8%	7.64
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	150.66	100%	0	0%	150.66
Other (including fines <10 mm)	12.53	100%	0	0%	12.53
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>432.68</b>	<b>24.7%</b>	<b>1316.5</b>	<b>75.3%</b>	<b>1749.22</b>



**Table 166: C - Other Manufacturing C&I waste streams - SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	13.23	21.3%	48.9	78.7%	62.17
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	6.04	100%	NA	NA	6.04
Garbage bags	8.58	100%	NA	NA	8.58
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	117.35	9.8%	1085.7	90.2%	1203.08
Glass – packaging	5	3.8%	1.3	96.2%	1.37
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	7.98	7.7%	95.9	92.3%	103.89
Metal (non-ferrous) – packaging	07	33.8%	0.1	66.2%	0.19
Metal (non-ferrous) – non-packaging	2.24	13.9%	13.9	86.1%	16.14
Paper – office	2.41	47%	2.7	53%	5.12
Paper – packaging	0.63	100%	0	0%	0.63
Paper – other	14.1	81.4%	3.2	18.6%	17.33
Plastic – EPS foam	1.2	100%	0	0%	1.2
Plastic – film packaging	22.37	96.1%	0.9	3.9%	23.29
Plastic – other	10.44	97.7%	0.2	2.3%	10.69
Plastic – rigid packaging	28.47	92.4%	2.3	7.6%	30.81
Rubber	1.42	100%	0	0%	1.42
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	4.75	100%	NA	NA	4.75
Wood – untreated pallets	0.78	100%	NA	NA	0.78
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	119.5	100%	NA	NA	119.5
Other (including fines <10 mm)	12.53	100%	NA	NA	12.53
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>374.15</b>	<b>23%</b>	<b>1255.4</b>	<b>77%</b>	<b>1629.51</b>

**Table 167: C – Other Manufacturing C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	1.47	32%	3.1	68%	4.59
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	5.14	100%	0	0%	5.14
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	2.1	5%	39.7	95%	41.77
Glass – packaging	2.1	89.2%	0.3	10.8%	2.35
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0.32	95.9%	0	4.1%	0.33
Metal (non-ferrous) – non-packaging	2.62	25.1%	7.8	74.9%	10.42
Paper – office	1.54	100%	0	0%	1.54
Paper – packaging	2.6	100%	0	0%	2.6
Paper – other	3.32	98%	0.1	2%	3.39
Plastic – EPS foam	NA	NA	NA	NA	NA
Plastic – film packaging	1.90	37.8%	3.1	62.2%	5.02
Plastic – other	2.55	100%	0	0%	2.55
Plastic – rigid packaging	1.71	86.6%	0.3	13.4%	1.98
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	6.9	100%	6.86
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	31.16	100%	0	0%	31.16
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>58.53</b>	<b>48.9%</b>	<b>61.2</b>	<b>51.1%</b>	<b>119.71</b>

**Table 168: C – Other Manufacturing total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	22	32%	45	68%	0	0%	67
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	1	10%	10	90%	0	0%	11
Garbage bags	2	29%	6	71%	0	0%	9
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	25	2%	1220	98%	0	0%	1245
Glass – packaging	1	18%	3	82%	0	0%	4
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	3	3%	101	97%	NA	NA	104
Metal (non-ferrous) – packaging	0	42%	0	58%	NA	NA	1
Metal (non-ferrous) – non-packaging	4	14%	23	86%	NA	NA	27
Paper – office	6	91%	1	9%	NA	NA	7
Paper – packaging	2	47%	2	53%	NA	NA	3
Paper – other	5	25%	16	75%	NA	NA	21
Plastic – EPS foam	0	32%	1	68%	NA	NA	1
Plastic – film packaging	9	33%	19	67%	NA	NA	28
Plastic – other	3	22%	10	78%	NA	NA	13
Plastic – rigid packaging	14	43%	19	57%	NA	NA	33
Rubber	0	0%	1	100%	NA	NA	1
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	4	93%	0	7%	0	0%	5
Wood – untreated pallets	NA	NA	8	100%	NA	NA	8
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	46	30%	105	70%	NA	NA	151
Other (including fines <10 mm)	4	35%	8	65%	NA	NA	13
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>152</b>	<b>9%</b>	<b>1597</b>	<b>91%</b>	<b>0</b>	<b>0%</b>	<b>1749</b>

**Table 169: C1- Other Manufacturing total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	21	33%	42	67%	NA	NA	62
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	1	18%	5	82%	NA	NA	6
Garbage bags	2	29%	6	71%	NA	NA	9
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	25	2%	1178	98%	NA	NA	1203
Glass – packaging	0	29%	1	71%	NA	NA	1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	3	3%	101	97%	NA	NA	104
Metal (non-ferrous) – packaging	0	60%	0	40%	NA	NA	0
Metal (non-ferrous) – non-packaging	1	3%	16	97%	NA	NA	16
Paper – office	5	89%	1	11%	NA	NA	5
Paper – packaging	0	10%	1	90%	NA	NA	1
Paper – other	3	17%	14	83%	NA	NA	17
Plastic – EPS foam	0	32%	1	68%	NA	NA	1
Plastic – film packaging	9	38%	14	62%	NA	NA	23
Plastic – other	3	28%	8	72%	NA	NA	11
Plastic – rigid packaging	12	40%	19	60%	NA	NA	31
Rubber	NA	NA	1	100%	NA	NA	1
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	4	93%	0	7%	NA	NA	5
Wood – untreated pallets	NA	NA	1	100%	NA	NA	1
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	16	13%	104	87%	NA	NA	120
Other (including fines <10 mm)	4	35%	8	65%	0	0%	13
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>109</b>	<b>7%</b>	<b>1520</b>	<b>93%</b>	<b>NA</b>	<b>NA</b>	<b>1630</b>

**Table 170: C - Other Manufacturing total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	1	23%	4	77%	0	0%	5
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	NA	NA	5	100%	NA	NA	5
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	42	100%	NA	NA	42
Glass – packaging	0	11%	2	89%	NA	NA	2
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0	32%	0	68%	NA	NA	0
Metal (non-ferrous) – non-packaging	3	32%	7	68%	NA	NA	10
Paper – office	2	100%	0	0%	NA	NA	2
Paper – packaging	1	56%	1	44%	NA	NA	3
Paper – other	2	66%	1	34%	NA	NA	3
Plastic – EPS foam	NA	NA	NA	NA	NA	NA	NA
Plastic – film packaging	0	9%	5	91%	NA	NA	5
Plastic – other	0	0%	3	100%	NA	NA	3
Plastic – rigid packaging	2	100%	NA	NA	NA	NA	2
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	7	100%	NA	NA	7
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	30	96%	1	4%	0	0%	31
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>42</b>	<b>35%</b>	<b>77</b>	<b>65%</b>	<b>0</b>	<b>0%</b>	<b>120</b>

**Table 171: F – Wholesale C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	36.08	1.7%	2114.6	98.3%	2150.73
Cardboard – wet /wax	1832.28	100%	0	0%	1832.28
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	2497.02	16.1%	13,000	83.9%	15,497.02
Garbage bags	31.48	100%	NA	NA	31.48
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	12.35	100%	NA	NA	12.35
Glass – packaging	0.2	43%	0.3	57%	0.46
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	10.98	100%	NA	NA	10.98
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	10.18	100%	NA	NA	10.18
Metal (non-ferrous) – packaging	2.14	99.1%	0	0.9%	2.16
Metal (non-ferrous) – non-packaging	34.53	94%	2.2	6%	36.73
Paper – office	12.15	93.5%	0.8	6.5%	13
Paper – packaging	554.99	99.9%	0.4	0.1%	555.43
Paper – other	1.41	100%	0	0%	1.41
Plastic – EPS foam	76.33	55%	62.5	45%	138.83
Plastic – film packaging	504.99	87.6%	71.6	12.4%	576.61
Plastic – other	1229.58	100%	0	0%	1229.58
Plastic – rigid packaging	82.52	25.8%	237.2	74.2%	319.76
Rubber	3.12	100%	0	0%	3.12
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	4.61	100%	NA	NA	4.61
Wood – untreated pallets	394.58	20.8%	1500	79.2%	1894.58
Wood – treated pallets	26.11	100%	NA	NA	26.11
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	67.64	100%	NA	NA	67.64
Other (including fines <10 mm)	33.52	100%	NA	NA	33.52
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>7458.79</b>	<b>30.5%</b>	<b>16,989.8</b>	<b>69.5%</b>	<b>24,448.56</b>

**Table 172: F – Wholesale C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	29.17	1.4%	2104.9	98.6%	2134.12
Cardboard – wet /wax	1832.28	100%	0	0%	1832.28
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	2494.25	16.1%	13,000	83.9%	15,494.25
Garbage bags	31.48	100%	NA	NA	31.48
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	4.58	100%	NA	NA	4.58
Glass – packaging	NA	NA	NA	NA	NA
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	10.98	100%	NA	NA	10.98
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	10.18	100%	NA	NA	10.18
Metal (non-ferrous) – packaging	0.9	100%	NA	NA	0.9
Metal (non-ferrous) – non-packaging	18.21	100%	NA	NA	18.21
Paper – office	11.57	100%	NA	NA	11.57
Paper – packaging	554.4	100%	NA	NA	554.4
Paper – other	1.06	100%	NA	NA	1.06
Plastic – EPS foam	75.57	54.7%	62.5	45.3%	138.07
Plastic – film packaging	490.29	87.3%	71.6	12.7%	561.86
Plastic – other	1228.49	100%	NA	NA	1228.49
Plastic – rigid packaging	29.57	11.2%	235.2	88.8%	264.73
Rubber	3.12	100%	NA	NA	3.12
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	4.23	100%	NA	NA	4.23
Wood – untreated pallets	375.77	20%	1500	80%	1875.77
Wood – treated pallets	20.65	100%	NA	NA	20.65
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	53.82	100%	NA	NA	53.82
Other (including fines <10 mm)	33.52	100%	NA	NA	33.52
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>7314.13</b>	<b>30.1%</b>	<b>16,974.2</b>	<b>69.9%</b>	<b>24,288.3</b>

**Table 173: F – Wholesale C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	6.91	41.6%	9.7	58.4%	16.61
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	2.77	100%	0	0%	2.77
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	7.77	100%	NA	NA	7.77
Glass – packaging	0.2	43%	0.3	57%	0.46
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1.24	98.5%	0	1.5%	1.25
Metal (non-ferrous) – non-packaging	16.31	88.1%	2.2	11.9%	18.51
Paper – office	0.58	41%	0.8	59%	1.43
Paper – packaging	0.58	56.8%	0.4	43.2%	1.03
Paper – other	0.35	100%	NA	NA	0.35
Plastic – EPS foam	0.75	100%	NA	NA	0.75
Plastic – film packaging	14.7	99.7%	0	0.3%	14.75
Plastic – other	1.09	100%	NA	NA	1.09
Plastic – rigid packaging	52.95	96.2%	2.1	3.8%	55.03
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.38	100%	NA	NA	0.38
Wood – untreated pallets	18.81	100%	NA	NA	18.81
Wood – treated pallets	5.46	100%	NA	NA	5.46
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	13.82	100%	NA	NA	13.82
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>144.66</b>	<b>90.3%</b>	<b>15.6</b>	<b>9.7%</b>	<b>160.26</b>



**Table 174: F – Wholesale Trade total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	41	2%	2109	98%	NA	NA	2151
Cardboard – wet /wax	NA	NA	1832	100%	NA	NA	1832
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	3	0%	15,494	100%	NA	NA	15,497
Garbage bags	NA	NA	31	100%	NA	NA	31
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	12	100%	NA	NA	NA	NA	12
Glass – packaging	0	100%	NA	NA	NA	NA	0
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	0	0%	11	100%	0	0%	11
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	10	100%	NA	NA	10
Metal (non-ferrous) – packaging	1	58%	1	42%	NA	NA	2
Metal (non-ferrous) – non-packaging	15	42%	21	58%	NA	NA	37
Paper – office	2	15%	11	85%	NA	NA	13
Paper – packaging	1	0%	554	100%	NA	NA	555
Paper – other	1	59%	1	41%	NA	NA	1
Plastic – EPS foam	5	4%	133	96%	NA	NA	139
Plastic – film packaging	21	4%	555	96%	NA	NA	577
Plastic – other	0	0%	1230	100%	NA	NA	1230
Plastic – rigid packaging	50	16%	270	84%	NA	NA	320
Rubber	NA	NA	3	100%	NA	NA	3
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	1	20%	4	80%	0	0%	5
Wood – untreated pallets	17	1%	1877	99%	0	0%	1895
Wood – treated pallets	5	21%	21	79%	0	0%	26
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	18	27%	49	73%	NA	NA	68
Other (including fines <10 mm)	NA	NA	34	100%	NA	NA	34
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>197</b>	<b>1%</b>	<b>24,251</b>	<b>99%</b>	<b>0</b>	<b>0%</b>	<b>24,449</b>

**Table 175: F – Wholesale Trade total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	26	1%	2108	99%	NA	NA	2134
Cardboard – wet /wax	NA	NA	1832	100%	NA	NA	1832
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	NA	NA	15,494	100%	NA	NA	15,494
Garbage bags	NA	NA	31	100%	NA	NA	31
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	5	100%	NA	NA	NA	NA	5
Glass – packaging	NA	NA	NA	NA	NA	NA	NA
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	11	100%	NA	NA	11
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	10	100%	NA	NA	10
Metal (non-ferrous) – packaging	NA	NA	1	100%	NA	NA	1
Metal (non-ferrous) – non-packaging	NA	NA	18	100%	NA	NA	18
Paper – office	1	6%	11	94%	NA	NA	12
Paper – packaging	NA	NA	554	100%	NA	NA	554
Paper – other	0	46%	1	54%	NA	NA	1
Plastic – EPS foam	5	3%	133	97%	NA	NA	138
Plastic – film packaging	7	1%	554	99%	NA	NA	562
Plastic – other	NA	NA	1228	100%	NA	NA	1228
Plastic – rigid packaging	NA	NA	264	100%	NA	NA	265
Rubber	NA	NA	3	100%	NA	NA	3
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	1	13%	4	87%	NA	NA	4
Wood – untreated pallets	NA	NA	1876	100%	NA	NA	1876
Wood – treated pallets	NA	NA	21	100%	NA	NA	21
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	5	9%	49	91%	NA	NA	54
Other (including fines <10 mm)	NA	NA	34	100%	NA	NA	34
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>50</b>	<b>0%</b>	<b>24,238</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>24,288</b>

**Table 176: F – Wholesale Trade total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	15	93%	1	7%	0	0%	17
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	3	100%	NA	NA	NA	NA	3
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	8	100%	NA	NA	NA	NA	8
Glass – packaging	0	100%	NA	NA	NA	NA	0
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1	100%	NA	NA	NA	NA	1
Metal (non-ferrous) – non-packaging	15	83%	3	17%	NA	NA	19
Paper – office	1	83%	0	17%	NA	NA	1
Paper – packaging	1	100%	NA	NA	NA	NA	1
Paper – other	0	100%	NA	NA	NA	NA	0
Plastic – EPS foam	1	100%	NA	NA	NA	NA	1
Plastic – film packaging	14	95%	1	5%	NA	NA	15
Plastic – other	NA	NA	1	100%	NA	NA	1
Plastic – rigid packaging	50	91%	5	9%	NA	NA	55
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	100%	NA	NA	NA	NA	0
Wood – untreated pallets	17	92%	2	8%	NA	NA	19
Wood – treated pallets	5	100%	NA	NA	NA	NA	5
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	14	100%	NA	NA	NA	NA	14
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>147</b>	<b>92%</b>	<b>13</b>	<b>8%</b>	<b>0</b>	<b>0%</b>	<b>160</b>

**Table 177: G – Retail Trade C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	55.16	7%	737.4	93%	792.59
Cardboard – wet /wax	0.52	100%	NA	NA	0.52
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	5.38	100%	NA	NA	5.38
Food organics – unpackaged	75.51	93.1%	5.6	6.9%	81.13
Garbage bags	24.97	100%	NA	NA	24.97
Garden organics	0.53	100%	NA	NA	0.53
Glass – non-packaging	4.27	100%	NA	NA	4.27
Glass – packaging	36.89	86.8%	5.6	13.2%	42.5
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.48	100%	NA	NA	1.48
Metal (ferrous) – non-packaging	3.91	100%	NA	NA	3.91
Metal (non-ferrous) – packaging	4.6	86.1%	0.7	13.9%	5.34
Metal (non-ferrous) – non-packaging	2.53	100%	NA	NA	2.53
Paper – office	30.97	53.7%	26.8	46.3%	57.72
Paper – packaging	53.2	79.5%	13.7	20.5%	66.92
Paper – other	27	71.6%	10.7	28.4%	37.68
Plastic – EPS foam	9.42	49.7%	9.5	50.3%	18.96
Plastic – film packaging	32.87	43%	43.6	57%	76.44
Plastic – other	42.44	100%	0	0%	42.44
Plastic – rigid packaging	56.69	33.2%	114.3	66.8%	170.97
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.97	100%	NA	NA	0.97
Wood – untreated pallets	3.47	100%	NA	NA	3.47
Wood – treated pallets	1.7	100%	NA	NA	1.7
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	26.68	100%	NA	NA	26.68
Other (including fines <10 mm)	51.73	100%	NA	NA	51.73
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>552.91</b>	<b>36.4%</b>	<b>967.9</b>	<b>63.6%</b>	<b>1520.86</b>

**Table 178: G – Retail Trade C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	32.22	5.3%	578.8	94.7%	611.07
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	1.94	100%	NA	NA	1.94
Food organics – unpackaged	50.95	90.1%	5.6	9.9%	56.57
Garbage bags	24.97	100%	NA	NA	24.97
Garden organics	0.2	100%	NA	NA	0.2
Glass – non-packaging	1.88	100%	NA	NA	1.88
Glass – packaging	3.8	64.8%	2.1	35.2%	5.87
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.16	100%	NA	NA	1.16
Metal (ferrous) – non-packaging	3.61	100%	NA	NA	3.61
Metal (non-ferrous) – packaging	2.23	77.1%	0.7	22.9%	2.89
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	27.61	50.8%	26.8	49.2%	54.36
Paper – packaging	43.6	100%	NA	NA	43.6
Paper – other	25.4	87.2%	3.7	12.8%	29.12
Plastic – EPS foam	5.43	36.3%	9.5	63.7%	14.98
Plastic – film packaging	22.14	41.5%	31.3	58.5%	53.4
Plastic – other	39.1	100%	0	0%	39.1
Plastic – rigid packaging	25.97	21.3%	96	78.7%	121.94
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.8	100%	NA	NA	0.8
Wood – untreated pallets	1.1	100%	NA	NA	1.1
Wood – treated pallets	1.1	100%	NA	NA	1.1
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	20.3	100%	NA	NA	20.3
Other (including fines <10 mm)	50.19	100%	NA	NA	50.19
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>385.73</b>	<b>33.8%</b>	<b>754.4</b>	<b>66.2%</b>	<b>1140.16</b>

**Table 179: G – Retail Trade C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	22.94	12.6%	158.6	87.4%	181.52
Cardboard – wet /wax	0.52	100%	NA	NA	0.52
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	3.44	100%	NA	NA	3.44
Food organics – unpackaged	24.56	100%	NA	NA	24.56
Garbage bags	NA	NA	NA	NA	NA
Garden organics	0.33	100%	NA	NA	0.33
Glass – non-packaging	2.38	100%	NA	NA	2.38
Glass – packaging	33.09	90.3%	3.5	9.7%	36.64
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0.32	100%	NA	NA	0.32
Metal (ferrous) – non-packaging	0.3	100%	NA	NA	0.3
Metal (non-ferrous) – packaging	2.37	96.6%	0.1	3.4%	2.45
Metal (non-ferrous) – non-packaging	2.53	100%	NA	NA	2.53
Paper – office	3.36	100%	NA	NA	3.36
Paper – packaging	9.6	41.2%	13.7	58.8%	23.31
Paper – other	1.6	18.7%	7	81.3%	8.56
Plastic – EPS foam	3.99	100%	NA	NA	3.99
Plastic – film packaging	10.73	46.6%	12.3	53.4%	23.04
Plastic – other	3.34	100%	0	0%	3.34
Plastic – rigid packaging	30.72	62.7%	18.3	37.3%	49.04
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.17	100%	NA	NA	0.17
Wood – untreated pallets	2.37	100%	NA	NA	2.37
Wood – treated pallets	0.6	100%	NA	NA	0.6
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	6.38	100%	NA	NA	6.38
Other (including fines <10 mm)	1.54	100%	NA	NA	1.54
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>167.18</b>	<b>43.9%</b>	<b>213.5</b>	<b>56.1%</b>	<b>380.69</b>

**Table 180: G - Retail Trade total detailed composition - All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	155	20%	637	80%	NA	NA	793
Cardboard – wet /wax	NA	NA	1	100%	NA	NA	1
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	2	36%	3	64%	NA	NA	5
Food organics – unpackaged	54	66%	28	34%	NA	NA	81
Garbage bags	1	6%	23	94%	NA	NA	25
Garden organics	0	38%	0	62%	NA	NA	1
Glass – non-packaging	NA	NA	4	100%	NA	NA	4
Glass – packaging	23	54%	19	46%	NA	NA	43
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1	78%	0	22%	NA	NA	1
Metal (ferrous) – non-packaging	NA	NA	4	100%	NA	NA	4
Metal (non-ferrous) – packaging	4	71%	2	29%	NA	NA	5
Metal (non-ferrous) – non-packaging	0	0%	3	100%	NA	NA	3
Paper – office	17	30%	41	70%	NA	NA	58
Paper – packaging	31	46%	36	54%	NA	NA	67
Paper – other	3	7%	35	93%	NA	NA	38
Plastic – EPS foam	13	69%	6	31%	NA	NA	19
Plastic – film packaging	15	19%	62	81%	NA	NA	76
Plastic – other	30	70%	13	30%	NA	NA	42
Plastic – rigid packaging	15	9%	156	91%	NA	NA	171
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	12%	1	88%	NA	NA	1
Wood – untreated pallets	NA	NA	3	100%	NA	NA	3
Wood – treated pallets	NA	NA	2	100%	NA	NA	2
Wood – other untreated	NA	NA	NA	NA	NA	NA	0
Wood – other treated/painted	2	6%	25	94%	NA	NA	27
Other (including fines <10 mm)	8	15%	44	85%	NA	NA	52
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>372</b>	<b>24%</b>	<b>1148</b>	<b>76%</b>	<b>NA</b>	<b>NA</b>	<b>1521</b>

**Table 181: G – Retail Trade total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	140	23%	471	77%	0	0%	611
Cardboard - wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	2	100%	NA	NA	NA	NA	2
Food organics – unpackaged	54	95%	3	5%	NA	NA	57
Garbage bags	1	6%	23	94%	NA	NA	25
Garden organics	0	100%	0	0%	NA	NA	0
Glass – non-packaging	0	0%	2	100%	NA	NA	2
Glass – packaging	3	53%	3	47%	NA	NA	6
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1	100%	0	0%	NA	NA	1
Metal (ferrous) – non-packaging	0	0%	4	100%	NA	NA	4
Metal (non-ferrous) – packaging	2	79%	1	21%	NA	NA	3
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	17	31%	37	69%	NA	NA	54
Paper – packaging	31	71%	13	29%	NA	NA	44
Paper – other	1	5%	28	95%	NA	NA	29
Plastic – EPS foam	11	71%	4	29%	NA	NA	15
Plastic – film packaging	7	14%	46	86%	NA	NA	53
Plastic – other	30	76%	10	24%	NA	NA	39
Plastic – rigid packaging	9	7%	113	93%	NA	NA	122
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	14%	1	86%	NA	NA	1
Wood – untreated pallets	NA	NA	1	100%	NA	NA	1
Wood – treated pallets	NA	NA	1	100%	NA	NA	1
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	2	8%	19	92%	NA	NA	20
Other (including fines <10 mm)	8	15%	43	85%	NA	NA	50
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>319</b>	<b>28%</b>	<b>821</b>	<b>72%</b>	<b>NA</b>	<b>NA</b>	<b>1140</b>



**Table 182: G – Retail Trade total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	15	8%	167	92%	NA	NA	182
Cardboard – wet /wax	0	0%	1	100%	NA	NA	1
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	3	100%	NA	NA	3
Food organics – unpackaged	NA	NA	25	100%	NA	NA	25
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	2	100%	NA	NA	2
Glass – packaging	20	55%	17	45%	NA	NA	37
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0	0%	0	100%	NA	NA	0
Metal (ferrous) – non-packaging	0	0%	0	100%	NA	NA	0
Metal (non-ferrous) – packaging	1	61%	1	39%	NA	NA	2
Metal (non-ferrous) – non-packaging	NA	NA	3	100%	NA	NA	3
Paper – office	NA	NA	3	100%	NA	NA	3
Paper – packaging	NA	NA	23	100%	NA	NA	23
Paper – other	1	15%	7	85%	NA	NA	9
Plastic – EPS foam	2	59%	2	41%	NA	NA	4
Plastic – film packaging	7	31%	16	69%	NA	NA	23
Plastic – other	NA	NA	3	100%	NA	NA	3
Plastic – rigid packaging	6	12%	43	88%	NA	NA	49
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	2	100%	NA	NA	2
Wood – treated pallets	NA	NA	1	100%	NA	NA	1
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	6	100%	NA	NA	6
Other (including fines <10 mm)	NA	NA	2	100%	NA	NA	2
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>53</b>	<b>14%</b>	<b>327</b>	<b>86%</b>	<b>NA</b>	<b>NA</b>	<b>381</b>

**Table 183: G41 – Food Retailing C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	15.13	21.4%	55.6	78.6%	70.72
Cardboard – wet /wax	0.37	100%	NA	NA	0.37
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	3.44	100%	NA	NA	3.44
Food organics – unpackaged	72.07	92.8%	5.6	7.2%	77.68
Garbage bags	0.58	100%	NA	NA	0.58
Garden organics	0.2	100%	NA	NA	0.2
Glass – non-packaging	1.13	100%	NA	NA	1.13
Glass – packaging	32.58	88.1%	4.4	11.9%	37
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0.32	100%	NA	NA	0.32
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	3.81	88.6%	0.5	11.4%	4.3
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	16.44	97%	0.5	3%	16.94
Paper – packaging	32.57	100%	NA	NA	32.57
Paper – other	0	0%	0.5	100%	0.51
Plastic – EPS foam	0.67	100%	NA	NA	0.67
Plastic – film packaging	5.48	96.9%	0.2	3.1%	5.66
Plastic – other	26.49	100%	NA	NA	26.49
Plastic – rigid packaging	15.06	92.3%	1.3	7.7%	16.31
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.11	100%	NA	NA	0.11
Wood – untreated pallets	2.09	100%	NA	NA	2.09
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	100%	NA	NA	3
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>231.54</b>	<b>77.2%</b>	<b>68.6</b>	<b>22.8%</b>	<b>300.1</b>

**Table 184: G41 – Food Retailing C&I waste streams - SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	9.52	16.7%	47.3	83.3%	56.84
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	47.82	89.5%	5.6	10.5%	53.43
Garbage bags	0.58	100%	NA	NA	0.58
Garden organics	0.2	100%	NA	NA	0.2
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	0.9	100%	0.87
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1.47	78.3%	0.4	21.7%	1.88
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	13.75	96.5%	0.5	3.5%	14.25
Paper – packaging	29.88	100%	NA	NA	29.88
Paper – other	NA	NA	0.4	100%	0.41
Plastic – EPS foam	0.22	100%	NA	NA	0.22
Plastic – film packaging	1.54	92.7%	0.1	7.3%	1.66
Plastic – other	26.49	100%	NA	NA	26.49
Plastic – rigid packaging	5.85	87.8%	0.8	12.2%	6.67
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.11	100%	NA	NA	0.11
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	100%	NA	NA	3
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>140.44</b>	<b>71.5%</b>	<b>56.1</b>	<b>28.5%</b>	<b>196.5</b>

**Table 185: G41 – Food Retailing C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	5.61	40.4%	8.3	59.6%	13.88
Cardboard – wet /wax	0.37	100%	NA	NA	0.37
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	3.44	100%	NA	NA	3.44
Food organics – unpackaged	24.25	100%	NA	NA	24.25
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	1.13	100%	NA	NA	1.13
Glass – packaging	32.58	90.2%	3.5	9.8%	36.12
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0.32	100%	NA	NA	0.32
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	2.34	96.5%	0.1	3.5%	2.43
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	2.69	100%	NA	NA	2.69
Paper – packaging	2.69	100%	NA	NA	2.69
Paper – other	NA	NA	0.1	100%	0.11
Plastic – EPS foam	0.45	100%	NA	NA	0.45
Plastic – film packaging	3.94	98.6%	0.1	1.4%	4
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	9.21	95.5%	0.4	4.5%	9.65
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	2.09	100%	NA	NA	2.09
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>91.1</b>	<b>87.9%</b>	<b>12.5</b>	<b>12.1%</b>	<b>103.6</b>

**Table 186: G41 – Food Retailing total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	60	84%	11	16%	NA	NA	71
Cardboard – wet /wax	NA	NA	0	100%	NA	NA	0
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	3	100%	NA	NA	3
Food organics – unpackaged	53	69%	24	31%	NA	NA	78
Garbage bags	1	100%	NA	NA	NA	NA	1
Garden organics	0	100%	NA	NA	NA	NA	0
Glass – non-packaging	0	0%	1	100%	NA	NA	1
Glass – packaging	21	57%	16	43%	NA	NA	37
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	0	100%	NA	NA	0
Metal (ferrous)– non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	3	78%	1	22%	NA	NA	4
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	14	84%	3	16%	NA	NA	17
Paper – packaging	30	92%	3	8%	NA	NA	33
Paper – other	1	100%	NA	NA	NA	NA	1
Plastic – EPS foam	0	58%	0	42%	NA	NA	1
Plastic – film packaging	4	71%	2	29%	NA	NA	6
Plastic – other	26	100%	NA	NA	NA	NA	26
Plastic – rigid packaging	13	77%	4	23%	NA	NA	16
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	100%	NA	NA	NA	NA	0
Wood – untreated pallets	NA	NA	2	100%	NA	NA	2
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	100%	NA	NA	NA	NA	3
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>229</b>	<b>76%</b>	<b>71</b>	<b>24%</b>	<b>NA</b>	<b>NA</b>	<b>300</b>

**Table 187: G41 – Food Retailing total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	57	100%	NA	NA	NA	NA	57
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	53	100%	NA	NA	NA	NA	53
Garbage bags	1	100%	NA	NA	NA	NA	1
Garden organics	0	100%	NA	NA	NA	NA	0
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	1	100%	NA	NA	NA	NA	1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	2	100%	NA	NA	NA	NA	2
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	14	100%	NA	NA	NA	NA	14
Paper – packaging	30	100%	NA	NA	NA	NA	30
Paper – other	0	100%	NA	NA	NA	NA	0
Plastic – EPS foam	0	100%	NA	NA	NA	NA	0
Plastic – film packaging	2	100%	NA	NA	NA	NA	2
Plastic – other	26	100%	NA	NA	NA	NA	26
Plastic – rigid packaging	7	100%	NA	NA	NA	NA	7
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	100%	NA	NA	NA	NA	3
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>197</b>	<b>100%</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>197</b>

**Table 188: G41 – Food Retailing total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	3	20%	11	80%	NA	NA	14
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	3	100%	NA	NA	3
Food organics – unpackaged	NA	NA	24	100%	NA	NA	24
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	1	100%	NA	NA	1
Glass – packaging	20	56%	16	44%	0	0%	36
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	0	100%	NA	NA	0
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1	61%	1	39%	NA	NA	2
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	NA	NA	3	100%	NA	NA	3
Paper – packaging	NA	NA	3	100%	NA	NA	3
Paper – other	0	100%	NA	NA	NA	NA	0
Plastic – EPS foam	0	37%	0	63%	NA	NA	0
Plastic – film packaging	2	59%	2	41%	NA	NA	4
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	6	60%	4	40%	NA	NA	10
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	2	100%	NA	NA	2
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>33</b>	<b>32%</b>	<b>71</b>	<b>68%</b>	<b>NA</b>	<b>NA</b>	<b>104</b>

**Table 189: G42 – Other Store-Based C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	404	5.5%	681.8	94.5%	721.88
Cardboard – wet /wax	0.15	100%	NA	NA	0.15
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	1.94	100%	NA	NA	1.94
Food organics – unpackaged	3.44	100%	NA	NA	3.44
Garbage bags	24.39	100%	NA	NA	24.39
Garden organics	0.33	100%	NA	NA	0.33
Glass – non-packaging	3.14	100%	NA	NA	3.14
Glass – packaging	4.32	78.4%	1.2	21.6%	5.51
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.16	100%	NA	NA	1.16
Metal (ferrous) – non-packaging	3.91	100%	NA	NA	3.91
Metal (non-ferrous) – packaging	0.79	75.7%	0.3	24.3%	1.04
Metal (non-ferrous) – non-packaging	2.53	100%	NA	NA	2.53
Paper – office	14.53	35.6%	26.3	64.4%	40.78
Paper – packaging	20.64	60.1%	13.7	39.9%	34.35
Paper – other	27	72.6%	10.2	27.4%	37.17
Plastic – EPS foam	8.75	47.8%	9.5	52.2%	18.29
Plastic – film packaging	27.38	38.7%	43.4	61.3%	70.78
Plastic – other	15.95	100%	NA	NA	15.95
Plastic – rigid packaging	41.63	26.9%	113	73.1%	154.66
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.86	100%	NA	NA	0.86
Wood – untreated pallets	1.38	100%	NA	NA	1.38
Wood – treated pallets	1.7	100%	NA	NA	1.7
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	26.68	100%	NA	NA	26.68
Other (including fines <10 mm)	48.74	100%	NA	NA	48.74
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>321.37</b>	<b>26.3%</b>	<b>899.4</b>	<b>73.7%</b>	<b>1220.75</b>



**Table 190: G42 – Other Store-Based C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	22.71	4.1%	531.5	95.9%	554.23
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	1.94	100%	NA	NA	1.94
Food organics – unpackaged	3.13	100%	NA	NA	3.13
Garbage bags	24.39	100%	NA	NA	24.39
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	1.88	100%	NA	NA	1.88
Glass – packaging	3.8	76.1%	1.2	23.9%	4.99
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.16	100%	NA	NA	1.16
Metal (ferrous) – non-packaging	3.61	100%	NA	NA	3.61
Metal (non-ferrous) – packaging	0.76	75%	0.3	25%	1.01
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	13.86	34.6%	26.3	65.4%	40.11
Paper – packaging	13.72	100%	NA	NA	13.72
Paper – other	25.40	88.5%	3.3	11.5%	28.72
Plastic – EPS foam	5.21	35.3%	9.5	64.7%	14.76
Plastic – film packaging	20.6	39.8%	31.1	60.2%	51.74
Plastic – other	12.61	100%	NA	NA	12.61
Plastic – rigid packaging	20.12	17.5%	95.2	82.5%	115.27
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.69	100%	NA	NA	0.69
Wood – untreated pallets	1.1	100%	NA	NA	1.1
Wood – treated pallets	1.1	100%	NA	NA	1.1
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	20.3	100%	NA	NA	20.3
Other (including fines <10 mm)	47.2	100%	NA	NA	47.2
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>245.28</b>	<b>26%</b>	<b>698.4</b>	<b>74%</b>	<b>943.66</b>

**Table 191: G42 – Other Store-Based C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	17.33	10.3%	150.3	89.7%	167.64
Cardboard – wet /wax	0.15	100%	NA	NA	0.15
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	0.31	100%	NA	NA	0.31
Garbage bags	NA	NA	NA	NA	NA
Garden organics	0.33	100%	NA	NA	0.33
Glass – non-packaging	1.26	100%	NA	NA	1.26
Glass – packaging	0.52	100%	NA	NA	0.52
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	0.3	100%	NA	NA	0.3
Metal (non-ferrous) – packaging	3	100%	NA	NA	3
Metal (non-ferrous) – non-packaging	2.53	100%	NA	NA	2.53
Paper – office	0.67	100%	NA	NA	0.67
Paper – packaging	6.92	33.5%	13.7	66.5%	20.63
Paper – other	1.6	18.9%	6.9	81.1%	8.45
Plastic – EPS foam	3.54	100%	NA	NA	3.54
Plastic – film packaging	6.78	35.6%	12.3	64.4%	19.04
Plastic – other	3.34	100%	NA	NA	3.34
Plastic – rigid packaging	21.52	54.6%	17.9	45.4%	39.39
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.17	100%	NA	NA	0.17
Wood – untreated pallets	0.28	100%	NA	NA	0.28
Wood – treated pallets	0.6	100%	NA	NA	0.6
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	6.38	100%	NA	NA	6.38
Other (including fines <10 mm)	1.54	100%	NA	NA	1.54
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>76.08</b>	<b>27.5%</b>	<b>201</b>	<b>72.5%</b>	<b>277.09</b>

**Table 192: G42 – Other Store-Based Retailing total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	96	13%	626	87%	NA	NA	722
Cardboard – wet /wax	NA	NA	0	100%	NA	NA	0
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	2	100%	NA	NA	NA	NA	2
Food organics – unpackaged	0	4%	3	96%	NA	NA	3
Garbage bags	1	4%	23	96%	NA	NA	24
Garden organics	NA	NA	0	100%	NA	NA	0
Glass – non-packaging	NA	NA	3	100%	NA	NA	3
Glass – packaging	2	40%	3	60%	NA	NA	6
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1	100%	NA	NA	NA	NA	1
Metal (ferrous) – non-packaging	NA	NA	4	100%	NA	NA	4
Metal (non-ferrous) – packaging	0	39%	1	61%	NA	NA	1
Metal (non-ferrous) – non-packaging	NA	NA	3	100%	NA	NA	3
Paper – office	3	7%	38	93%	NA	NA	41
Paper – packaging	1	3%	33	97%	NA	NA	34
Paper – other	2	6%	35	94%	NA	NA	37
Plastic – EPS foam	13	69%	6	31%	NA	NA	18
Plastic – film packaging	11	15%	60	85%	NA	NA	71
Plastic – other	3	19%	13	81%	NA	NA	16
Plastic – rigid packaging	2	1%	153	99%	NA	NA	155
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	1	100%	NA	NA	1
Wood – untreated pallets	NA	NA	1	100%	NA	NA	1
Wood – treated pallets	NA	NA	2	100%	NA	NA	2
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	2	6%	25	94%	NA	NA	27
Other (including fines <10 mm)	5	9%	44	91%	NA	NA	49
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>143</b>	<b>12%</b>	<b>1078</b>	<b>88%</b>	<b>NA</b>	<b>NA</b>	<b>1221</b>

**Table 193: G42 – Other Store-Based Retailing total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	83	15%	471	85%	NA	NA	554
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	2	100%	NA	NA	NA	NA	2
Food organics – unpackaged	0	4%	3	96%	NA	NA	3
Garbage bags	1	4%	23	96%	NA	NA	24
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	0	0%	2	100%	NA	NA	2
Glass – packaging	2	44%	3	56%	NA	NA	5
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1	100%	NA	NA	NA	NA	1
Metal (ferrous)– non-packaging	NA	NA	4	100%	NA	NA	4
Metal (non-ferrous) – packaging	0	40%	1	60%	NA	NA	1
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	3	7%	37	93%	NA	NA	40
Paper – packaging	1	8%	13	92%	NA	NA	14
Paper – other	1	3%	28	97%	NA	NA	29
Plastic – EPS foam	10	71%	4	29%	NA	NA	15
Plastic – film packaging	6	11%	46	89%	NA	NA	52
Plastic – other	3	24%	10	76%	NA	NA	13
Plastic – rigid packaging	2	2%	113	98%	NA	NA	115
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	1	100%	NA	NA	1
Wood – untreated pallets	NA	NA	1	100%	NA	NA	1
Wood – treated pallets	NA	NA	1	100%	NA	NA	1
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	2	8%	19	92%	NA	NA	20
Other (including fines <10 mm)	5	10%	43	90%	NA	NA	47
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>123</b>	<b>13%</b>	<b>821</b>	<b>87%</b>	<b>NA</b>	<b>NA</b>	<b>944</b>

**Table 194: G42 – Other Store-Based Retailing total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	12	7%	155	93%	NA	NA	168
Cardboard – wet /wax	NA	NA	0	100%	NA	NA	0
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	NA	NA	0	100%	NA	NA	0
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	0	100%	NA	NA	0
Glass – non-packaging	NA	NA	1	100%	NA	NA	1
Glass – packaging	NA	NA	1	100%	NA	NA	1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	0	100%	NA	NA	0
Metal (non-ferrous) – packaging	NA	NA	0	100%	NA	NA	0
Metal (non-ferrous) – non-packaging	NA	NA	3	100%	NA	NA	3
Paper – office	NA	NA	1	100%	NA	NA	1
Paper – packaging	NA	NA	21	100%	NA	NA	21
Paper – other	1	14%	7	86%	NA	NA	8
Plastic – EPS foam	2	62%	1	38%	NA	NA	4
Plastic – film packaging	5	26%	14	74%	NA	NA	19
Plastic – other	NA	NA	3	100%	NA	NA	3
Plastic – rigid packaging	NA	NA	39	100%	NA	NA	39
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	0	100%	NA	NA	0
Wood – untreated pallets	NA	NA	0	100%	NA	NA	0
Wood – treated pallets	NA	NA	1	100%	NA	NA	1
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	6	100%	NA	NA	6
Other (including fines <10 mm)	NA	NA	2	100%	NA	NA	2
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>20</b>	<b>7%</b>	<b>257</b>	<b>93%</b>	<b>NA</b>	<b>NA</b>	<b>277</b>

**Table 195: H – Accommodation and Food Services C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	341.99	29.8%	804.6	70.2%	1146.58
Cardboard – wet /wax	95.84	96%	4	4%	99.8
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	456.27	85.3%	78.9	14.7%	535.18
Food organics – unpackaged	1681.83	72.1%	649.3	27.9%	2331.11
Garbage bags	213.61	100%	NA	NA	213.61
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	193.83	16.5%	984	83.5%	1177.83
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.08	100%	NA	NA	1.08
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	72.36	79.7%	18.4	20.3%	90.73
Metal (non-ferrous) – non-packaging	1.26	100%	0	0%	1.26
Paper – office	237.91	57.8%	173.9	42.2%	411.78
Paper – packaging	101.5	97.5%	2.6	2.5%	104.14
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	25.91	100%	NA	NA	25.91
Plastic – film packaging	120.25	97.9%	2.6	2.1%	122.82
Plastic – other	11.43	100%	NA	NA	11.43
Plastic – rigid packaging	419.48	84.4%	77.3	15.6%	496.77
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	45.57	100%	NA	NA	45.57
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	27.57	100%	NA	NA	27.57
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>4047.71</b>	<b>59.1%</b>	<b>2795.5</b>	<b>40.9%</b>	<b>6843.18</b>

**Table 196: H – Accommodation and Food Services C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	325.25	29.5%	777.9	70.5%	1103.19
Cardboard – wet /wax	88.38	99.9%	0.1	0.1%	88.5
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	456.27	85.3%	78.9	14.7%	535.18
Food organics – unpackaged	1541.06	70.5%	643.6	29.5%	2184.67
Garbage bags	213.61	100%	NA	NA	213.61
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	155.37	14.6%	906.4	85.4%	1061.77
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.08	100%	NA	NA	1.08
Metal (ferrous)– non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	62.05	81%	14.6	19%	76.63
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	224.59	56.9%	170.2	43.1%	394.82
Paper – packaging	100.53	100%	NA	NA	100.53
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	22.24	100%	NA	NA	22.24
Plastic – film packaging	105.96	99.7%	0.3	0.3%	106.29
Plastic – other	11.43	100%	NA	NA	11.43
Plastic – rigid packaging	381.32	86.3%	60.8	13.7%	442.09
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	45.57	100%	NA	NA	45.57
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	27.57	100%	NA	NA	27.57
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>3762.31</b>	<b>58.6%</b>	<b>2652.9</b>	<b>41.4%</b>	<b>6415.18</b>

**Table 197: H – Accommodation and Food Services C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	16.74	38.6%	26.7	61.4%	43.39
Cardboard – wet /wax	7.46	66%	3.8	34%	11.3
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	140.76	96.1%	5.7	3.9%	146.44
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	38.46	33.1%	77.6	66.9%	116.06
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous)– non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	10.31	73.1%	3.8	26.9%	14.1
Metal (non-ferrous) – non-packaging	1.26	100%	NA	NA	1.26
Paper – office	13.32	78.5%	3.6	21.5%	16.96
Paper – packaging	0.98	27%	2.6	73%	3.62
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	3.67	100%	NA	NA	3.67
Plastic – film packaging	14.3	86.5%	2.2	13.5%	16.53
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	38.16	69.8%	16.5	30.2%	54.68
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>285.4</b>	<b>66.7%</b>	<b>142.6</b>	<b>33.3%</b>	<b>428</b>



**Table 198: H – Accommodation and Food Services total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	16	1%	391	34%	739	64%	1147
Cardboard – wet /wax	7	7%	33	33%	60	60%	100
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	0	0%	157	29%	379	71%	535
Food organics – unpackaged	104	4%	839	36%	1388	60%	2331
Garbage bags	1	1%	8	4%	204	96%	214
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	93	8%	544	46%	541	46%	1178
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	1	100%	1
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	10	11%	41	45%	40	44%	91
Metal (non-ferrous) – non-packaging	NA	NA	1	100%	NA	NA	1
Paper – office	10	2%	121	29%	281	68%	412
Paper – packaging	2	2%	26	25%	76	73%	104
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	3	10%	8	31%	15	59%	26
Plastic – film packaging	10	9%	98	80%	15	12%	123
Plastic – other	6	54%	5	46%	0	0%	11
Plastic – rigid packaging	37	7%	266	54%	194	39%	497
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	46	100%	46
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	11%	9	32%	16	57%	28
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>303</b>	<b>4%</b>	<b>2546</b>	<b>37%</b>	<b>3994</b>	<b>58%</b>	<b>6843</b>

**Table 199: H – Accommodation and Food Services total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	3	0%	362	33%	739	67%	1103
Cardboard – wet /wax	NA	NA	28	32%	60	68%	89
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	157	29%	379	71%	535
Food organics – unpackaged	23	1%	773	35%	1388	64%	2185
Garbage bags	1	1%	8	4%	204	96%	214
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	5	0%	516	49%	541	51%	1062
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	1	100%	1
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1	1%	35	46%	40	53%	77
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	2	0%	112	28%	281	71%	395
Paper – packaging	1	1%	23	23%	76	76%	101
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	NA	NA	7	31%	15	69%	22
Plastic – film packaging	1	1%	91	85%	15	14%	106
Plastic – other	6	54%	5	46%	0	0%	11
Plastic – rigid packaging	5	1%	243	55%	194	44%	442
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	46	100%	46
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	11%	9	32%	16	57%	28
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>51</b>	<b>1%</b>	<b>2370</b>	<b>37%</b>	<b>3994</b>	<b>62%</b>	<b>6415</b>

**Table 200: H – Accommodation and Food Services total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	14	31%	30	69%	NA	NA	43
Cardboard – wet /wax	7	60%	5	40%	NA	NA	11
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	81	55%	65	45%	NA	NA	146
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	88	76%	28	24%	NA	NA	116
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	9	64%	5	36%	NA	NA	14
Metal (non-ferrous) – non-packaging	NA	NA	1	100%	NA	NA	1
Paper – office	8	48%	9	52%	NA	NA	17
Paper – packaging	1	27%	3	73%	NA	NA	4
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	3	70%	1	30%	NA	NA	4
Plastic – film packaging	9	57%	7	43%	NA	NA	17
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	32	59%	23	41%	NA	NA	55
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>252</b>	<b>59%</b>	<b>176</b>	<b>41%</b>	<b>NA</b>	<b>NA</b>	<b>428</b>

**Table 201: H44 – Accommodation C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	328.06	31.5%	712.3	68.5%	1040.38
Cardboard – wet /wax	85.39	96.7%	2.9	3.3%	88.27
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	443.93	84.9%	78.9	15.1%	522.83
Food organics – unpackaged	1275.36	67.1%	625.2	32.9%	1900.56
Garbage bags	204.46	100%	NA	NA	204.46
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	155.06	14.5%	916.2	85.5%	1071.31
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.08	100%	NA	NA	1.08
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	61.33	79.8%	15.5	20.2%	76.83
Metal (non-ferrous) – non-packaging	1.26	100%	NA	NA	1.26
Paper – office	190.97	52.5%	172.7	47.5%	363.72
Paper – packaging	98.79	97.4%	2.6	2.6%	101.43
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	21.99	100%	0	0%	21.99
Plastic – film packaging	96.72	99.2%	0.7	0.8%	97.46
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	378.74	85.2%	65.9	14.8%	444.61
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	45.57	100%	NA	NA	45.57
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	15.73	100%	NA	NA	15.73
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>3404.45</b>	<b>56.8%</b>	<b>2593</b>	<b>43.2%</b>	<b>5997.49</b>

**Table 202: H44 – Accommodation C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	324.7	31.9%	694.1	68.1%	1018.77
Cardboard – wet /wax	85.39	100%	NA	NA	85.39
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	443.93	84.9%	78.9	15.1%	522.83
Food organics – unpackaged	1257.53	67%	619.5	33%	1877.06
Garbage bags	204.46	100%	NA	NA	204.46
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	142.74	13.6%	905.2	86.4%	1047.92
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	1.08	100%	NA	NA	1.08
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	60.86	80.7%	14.6	19.3%	75.44
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	186.35	52.3%	170.2	47.7%	356.58
Paper – packaging	97.81	100%	NA	NA	97.81
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	21.74	100%	NA	NA	21.74
Plastic – film packaging	94.09	99.6%	0.3	0.4%	94.43
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	369.26	85.9%	60.7	14.1%	429.98
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	45.57	100%	0	0%	45.57
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	15.73	100%	NA	NA	15.73
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>3351.25</b>	<b>56.9%</b>	<b>2543.5</b>	<b>43.1%</b>	<b>5894.79</b>

**Table 203: H44 – Accommodation C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	3.36	15.5%	18.2	84.5%	21.6
Cardboard – wet /wax	NA	NA	2.9	100%	2.87
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	17.83	75.8%	5.7	24.2%	23.51
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	12.32	52.7%	11.1	47.3%	23.39
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0.47	33.6%	0.9	66.4%	1.39
Metal (non-ferrous) – non-packaging	1.26	100%	NA	NA	1.26
Paper – office	4.63	64.8%	2.5	35.2%	7.14
Paper – packaging	0.98	27%	2.6	73%	3.62
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	0.25	100%	NA	NA	0.25
Plastic – film packaging	2.63	86.7%	0.4	13.3%	3.03
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	9.48	64.8%	5.1	35.2%	14.63
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>53.2</b>	<b>51.8%</b>	<b>49.5</b>	<b>48.2%</b>	<b>102.7</b>

**Table 204: H44 - Accommodation total detailed composition - All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	4	0%	297	29%	739	71%	1040
Cardboard – wet /wax	NA	NA	28	32%	60	68%	88
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	144	28%	379	72%	523
Food organics – unpackaged	9	0%	503	26%	1388	73%	1901
Garbage bags	NA	NA	NA	NA	204	100%	204
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	11	1%	520	49%	541	50%	1071
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	1	100%	1
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0	1%	36	47%	40	53%	77
Metal (non-ferrous) – non-packaging	NA	NA	1	100%	NA	NA	1
Paper – office	2	0%	81	22%	281	77%	364
Paper – packaging	1	1%	24	24%	76	75%	101
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	NA	NA	7	30%	15	70%	22
Plastic – film packaging	1	1%	82	84%	15	15%	97
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	4	1%	247	55%	194	44%	445
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	46	100%	46
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	16	100%	16
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>32</b>	<b>1%</b>	<b>1971</b>	<b>33%</b>	<b>3994</b>	<b>67%</b>	<b>5997</b>

**Table 205: H44 – Accommodation total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	NA	NA	280	27%	739	73%	1019
Cardboard – wet /wax	NA	NA	25	30%	60	70%	85
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	144	28%	379	72%	523
Food organics – unpackaged	NA	NA	489	26%	1388	74%	1877
Garbage bags	NA	NA	NA	NA	204	100%	204
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	507	48%	541	52%	1048
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	1	100%	1
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	NA	NA	35	46%	40	54%	75
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	NA	NA	76	21%	281	79%	357
Paper – packaging	NA	NA	22	22%	76	78%	98
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	NA	NA	6	30%	15	70%	22
Plastic – film packaging	NA	NA	80	85%	15	15%	94
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	NA	NA	236	55%	194	45%	430
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	46	100%	46
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	16	100%	16
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>0</b>	<b>0%</b>	<b>1901</b>	<b>32%</b>	<b>3994</b>	<b>68%</b>	<b>5895</b>



**Table 206: H44 – Accommodation total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	4	19%	17	81%	NA	NA	22
Cardboard – wet /wax	NA	NA	3	100%	NA	NA	3
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	9	38%	15	62%	0	NA	NA
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	11	46%	13	54%	NA	NA	23
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0	28%	1	72%	NA	NA	1
Metal (non-ferrous) – non-packaging	NA	NA	1	100%	NA	NA	1
Paper – office	2	23%	5	77%	NA	NA	7
Paper – packaging	1	27%	3	73%	NA	NA	4
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	NA	NA	0	100%	NA	NA	0
Plastic – film packaging	1	33%	2	67%	NA	NA	3
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	4	27%	11	73%	NA	NA	15
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>32</b>	<b>31%</b>	<b>71</b>	<b>69%</b>	<b>NA</b>	<b>NA</b>	<b>103</b>

**Table 207: H45 – Food and Beverage Services C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	13.93	13.1%	92.3	86.9%	106.2
Cardboard – wet /wax	10.45	90.6%	1.1	9.4%	11.54
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	12.35	100%	NA	NA	12.35
Food organics – unpackaged	406.47	94.4%	24.1	5.6%	430.54
Garbage bags	9.15	100%	NA	NA	9.15
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	38.77	36.4%	67.8	63.6%	106.52
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	11.03	79.4%	2.9	20.6%	13.9
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	46.94	97.7%	1.1	2.3%	48.06
Paper – packaging	2.71	100%	NA	NA	2.71
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	3.92	100%	NA	NA	3.92
Plastic – film packaging	23.53	92.8%	1.8	7.2%	25.36
Plastic – other	11.43	100%	NA	NA	11.43
Plastic – rigid packaging	40.74	78.1%	11.4	21.9%	52.17
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	11.85	100%	NA	NA	11.85
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>643.26</b>	<b>76.1%</b>	<b>202.4</b>	<b>23.9%</b>	<b>845.69</b>

**Table 208: H45 – Food and Beverage Services C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	0.55	0.7%	83.9	99.3%	84.41
Cardboard – wet /wax	2.99	96.2%	0.1	3.8%	3.11
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	12.35	100%	NA	NA	12.35
Food organics – unpackaged	283.53	92.2%	24.1	7.8%	307.61
Garbage bags	9.15	100%	NA	NA	9.15
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	12.63	91.2%	1.2	8.8%	13.86
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1.19	100%	NA	NA	1.19
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	38.24	100%	NA	NA	38.24
Paper – packaging	2.71	100%	NA	NA	2.71
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	0.5	100%	NA	NA	0.5
Plastic – film packaging	11.86	100%	NA	NA	11.86
Plastic – other	11.43	100%	NA	NA	11.43
Plastic – rigid packaging	12.06	99.6%	0	0.4%	12.11
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	11.85	100%	NA	NA	11.85
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>411.06</b>	<b>79%</b>	<b>109.3</b>	<b>21%</b>	<b>520.39</b>

**Table 209: H45 - Food and Beverage Services C&I waste streams - ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	13.38	61.4%	8.4	38.6%	21.79
Cardboard – wet /wax	7.46	88.5%	1	11.5%	8.42
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	122.93	100%	NA	NA	122.93
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	26.13	28.2%	66.5	71.8%	92.67
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	9.84	77.4%	2.9	22.6%	12.71
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	8.69	88.5%	1.1	11.5%	9.82
Paper – packaging	NA	NA	NA	NA	NA
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	3.41	100%	NA	NA	3.41
Plastic – film packaging	11.67	86.5%	1.8	13.5%	13.49
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	28.68	71.6%	11.4	28.4%	406
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>232.2</b>	<b>71.4%</b>	<b>93.1</b>	<b>28.6%</b>	<b>325.3</b>

**Table 210: H45 – Food and Beverage Services total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	12	11%	94	89%	NA	NA	106
Cardboard – wet /wax	7	60%	5	40%	NA	NA	12
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	12	100%	NA	NA	12
Food organics – unpackaged	95	22%	335	78%	NA	NA	431
Garbage bags	1	13%	8	87%	NA	NA	9
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	83	78%	24	22%	NA	NA	107
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	9	68%	4	32%	NA	NA	14
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	8	17%	40	83%	NA	NA	48
Paper – packaging	1	44%	2	56%	NA	NA	3
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	3	66%	1	34%	NA	NA	4
Plastic – film packaging	9	37%	16	63%	NA	NA	25
Plastic – other	6	54%	5	46%	NA	NA	11
Plastic – rigid packaging	33	63%	19	37%	NA	NA	52
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	26%	9	74%	NA	NA	12
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>271</b>	<b>32%</b>	<b>575</b>	<b>68%</b>	<b>NA</b>	<b>NA</b>	<b>846</b>

**Table 211: H45 – Food and Beverage Services total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	3	3%	82	97%	NA	NA	84
Cardboard – wet /wax	0	4%	3	96%	NA	NA	3
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	12	100%	NA	NA	12
Food organics – unpackaged	23	7%	285	93%	NA	NA	308
Garbage bags	1	13%	8	87%	NA	NA	9
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	5	37%	9	63%	NA	NA	14
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1	70%	0	30%	NA	NA	1
Metal (non-ferrous) – non-packaging	0	0%	0	0%	NA	NA	0
Paper – office	2	5%	36	95%	NA	NA	38
Paper – packaging	1	44%	2	56%	NA	NA	3
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	NA	NA	1	100%	NA	NA	1
Plastic – film packaging	1	9%	11	91%	NA	NA	12
Plastic – other	6	54%	5	46%	NA	NA	11
Plastic – rigid packaging	5	39%	7	61%	NA	NA	12
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	3	26%	9	74%	NA	NA	12
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>51</b>	<b>10%</b>	<b>469</b>	<b>90%</b>	<b>NA</b>	<b>NA</b>	<b>520</b>

**Table 212: H45 – Food and Beverage Services total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	9	43%	12	57%	0	0%	22
Cardboard – wet /wax	7	81%	2	19%	0	0%	8
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	72	59%	51	41%	NA	NA	123
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	78	84%	15	16%	NA	NA	93
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	9	68%	4	32%	NA	NA	13
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	6	66%	3	34%	NA	NA	10
Paper – packaging	NA	NA	NA	NA	NA	NA	NA
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	3	76%	1	24%	NA	NA	3
Plastic – film packaging	8	63%	5	37%	NA	NA	13
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	28	70%	12	30%	NA	NA	40
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	NA	NA	NA
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>220</b>	<b>68%</b>	<b>105</b>	<b>32%</b>	<b>NA</b>	<b>NA</b>	<b>325</b>

**Table 213: I – Transport, Postal and Warehousing C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	131.56	17.7%	610.2	82.3%	741.73
Cardboard – wet /wax	5	100%	NA	NA	5
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	5.11	100%	NA	NA	5.11
Garbage bags	15.63	99.1%	0.1	0.9%	15.78
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	0.8	100%	0.77
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	4.31	100%	NA	NA	4.31
Metal (ferrous) – packaging	NA	NA	143.5	100%	143.52
Metal (ferrous) – non-packaging	4.39	95.5%	0.2	4.5%	4.59
Metal (non-ferrous) – packaging	19.01	97.2%	0.6	2.8%	19.56
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	16.34	97%	0.5	3%	16.85
Paper – packaging	1.4	70.4%	0.6	29.6%	1.99
Paper – other	7.3	87%	1.1	13%	8.38
Plastic – EPS foam	32.74	95.1%	1.7	4.9%	34.43
Plastic – film packaging	182.25	58.3%	130.3	41.7%	312.52
Plastic – other	3.06	99.1%	0	0.9%	3.09
Plastic – rigid packaging	8.96	88.1%	1.2	11.9%	10.17
Rubber	NA	NA	NA	NA	NA
Textile – furniture	2.22	100%	0	0%	2.22
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.16	100%	NA	NA	0.16
Wood – untreated pallets	2.29	9%	23	91%	25.32
Wood – treated pallets	3.65	10.6%	30.7	89.4%	34.36
Wood – other untreated	46.78	88.8%	5.9	11.2%	52.69
Wood – other treated/painted	333.96	95.4%	15.9	4.6%	349.91
Other (including fines <10 mm)	224.26	99.9%	0.1	0.1%	224.4
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>1044.88</b>	<b>51.9%</b>	<b>966.5</b>	<b>48.1%</b>	<b>2011.41</b>



**Table 214: I – Transport, Postal and Warehousing C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	130.64	17.7%	606.1	82.3%	736.78
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	4.95	100%	NA	NA	4.95
Garbage bags	15.63	99.1%	0.1	0.9%	15.78
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	0.5	100%	0.49
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	4.31	100%	NA	NA	4.31
Metal (ferrous) – packaging	NA	NA	143.5	100%	143.52
Metal (ferrous) – non-packaging	4.39	95.5%	0.2	4.5%	4.59
Metal (non-ferrous) – packaging	19.01	97.2%	0.5	2.8%	19.55
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	15.93	97%	0.5	3%	16.42
Paper – packaging	1.23	71%	0.5	29%	1.73
Paper – other	7.3	87%	1.1	13%	8.38
Plastic – EPS foam	32.69	95.1%	1.7	4.9%	34.39
Plastic – film packaging	181.49	58.2%	130.1	41.8%	311.64
Plastic – other	3.06	99.1%	0	0.9%	3.09
Plastic – rigid packaging	8.29	90.9%	0.8	9.1%	9.12
Rubber	NA	NA	NA	NA	NA
Textile – furniture	2.22	100%	NA	NA	2.22
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	3	100%	NA	NA	3
Wood – untreated pallets	NA	NA	23	100%	23.03
Wood – treated pallets	3.65	10.6%	30.7	89.4%	34.36
Wood – other untreated	46.78	88.8%	5.9	11.2%	52.69
Wood – other treated/painted	333.96	95.4%	15.9	4.6%	349.91
Other (including fines <10 mm)	224.26	99.9%	0.1	0.1%	224.4
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>1039.28</b>	<b>51.9%</b>	<b>961.6</b>	<b>48.1%</b>	<b>2000.86</b>

**Table 215: I – Transport, Postal and Warehousing C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	0.92	18.5%	4	81.5%	4.96
Cardboard – wet /wax	5	100%	NA	NA	5
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	0.15	100%	NA	NA	0.15
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	0.3	100%	0.29
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	NA	NA	NA	100%	1
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	0.41	95.9%	0	4.1%	0.43
Paper – packaging	0.17	66.3%	0.1	33.7%	0.26
Paper – other	NA	NA	NA	NA	NA
Plastic – EPS foam	4	100%	NA	NA	4
Plastic – film packaging	0.76	85.9%	0.1	14.1%	0.88
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	0.67	63.7%	0.4	36.3%	1.05
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.14	100%	NA	NA	0.14
Wood – untreated pallets	2.29	100%	NA	NA	2.29
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>5.6</b>	<b>53.1%</b>	<b>5</b>	<b>46.9%</b>	<b>10.55</b>

**Table 216: I – Transport, Postal and Warehousing total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	152	20%	278	37%	312	42%	742
Cardboard – wet /wax	0	100%	NA	NA	NA	NA	0
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	1	15%	1	18%	3	67%	5
Garbage bags	3	22%	12	78%	0	0%	16
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	0	56%	0	6%	0	38%	1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	4	100%	NA	NA	4
Metal (ferrous) – packaging	NA	NA	144	100%	NA	NA	144
Metal (ferrous) – non-packaging	0	4%	4	96%	NA	NA	5
Metal (non-ferrous) – packaging	19	97%	NA	NA	1	3%	20
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	13	79%	3	15%	1	6%	17
Paper – packaging	0	15%	2	85%	NA	NA	2
Paper – other	1	12%	1	17%	6	71%	8
Plastic – EPS foam	2	6%	1	3%	31	91%	34
Plastic – film packaging	131	42%	43	14%	138	44%	313
Plastic – other	3	99%	0	1%	NA	NA	3
Plastic – rigid packaging	2	17%	7	67%	2	16%	10
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	0	1%	2	99%	NA	NA	2
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	92%	0	8%	NA	NA	0
Wood – untreated pallets	2	9%	NA	NA	23	91%	25
Wood – treated pallets	0	0%	4	11%	31	89%	34
Wood – other untreated	0	0%	47	89%	6	11%	53
Wood – other treated/painted	1	0%	333	95%	16	5%	350
Other (including fines <10 mm)	53	24%	9	4%	162	72%	224
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>383</b>	<b>19%</b>	<b>896</b>	<b>45%</b>	<b>732</b>	<b>36%</b>	<b>2011</b>

**Table 217: I – Transport, Postal and Warehousing total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
	147	20%	278	38%	312	42%	737
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	1	13%	1	19%	3	69%	5
Garbage bags	3	22%	12	78%	NA	NA	16
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	0	30%	0	10%	0	60%	0
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	4	100%	NA	NA	4
Metal (ferrous) – packaging	NA	NA	144	100%	NA	NA	144
Metal (ferrous) – non-packaging	0	4%	4	96%	NA	NA	5
Metal (non-ferrous) – packaging	19	97%	0	0%	1	3%	20
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	13	78%	3	16%	1	6%	16
Paper – packaging	0	3%	2	97%	NA	NA	2
Paper – other	1	12%	1	17%	6	71%	8
Plastic – EPS foam	2	6%	1	3%	31	91%	34
Plastic – film packaging	130	42%	43	14%	138	44%	312
Plastic – other	3	99%	0	1%	NA	NA	3
Plastic – rigid packaging	1	8%	7	75%	2	17%	9
Rubber	NA	NA	NA	NA	NA	NA	0
Textile – furniture	0	1%	2	99%	NA	NA	2
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	53%	0	47%	NA	NA	0
Wood – untreated pallets	NA	NA	NA	NA	23	100%	23
Wood – treated pallets	NA	NA	4	11%	31	89%	34
Wood – other untreated	NA	NA	47	89%	6	11%	53
Wood – other treated/painted	1	0%	333	95%	16	5%	350
Other (including fines <10 mm)	53	24%	9	4%	162	72%	224
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>373</b>	<b>19%</b>	<b>896</b>	<b>45%</b>	<b>732</b>	<b>37%</b>	<b>2001</b>

**Table 218: I – Transport, Postal and Warehousing total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	5	100%	NA	NA	NA	NA	5
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	0	100%	NA	NA	NA	NA	0
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	0
Glass – packaging	0	100%	NA	NA	NA	NA	NA
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0	100%	NA	NA	NA	NA	0
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	0	100%	NA	NA	NA	NA	0
Paper – packaging	0	100%	NA	NA	NA	NA	0
Paper – other	NA	NA	NA	NA	NA	NA	NA
Plastic – EPS foam	0	100%	NA	NA	NA	NA	0
Plastic – film packaging	1	100%	NA	NA	NA	NA	1
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	1	100%	NA	NA	NA	NA	1
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	100%	NA	NA	NA	NA	0
Wood – untreated pallets	2	100%	NA	NA	NA	NA	2
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>11</b>	<b>100%</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>11</b>

**Table 219: J-O – Office Based Industries C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	26.19	9.6%	245.3	90.4%	271.49
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	16.84	100%	NA	NA	16.84
Food organics – unpackaged	145.18	92.1%	12.5	7.9%	157.71
Garbage bags	58.53	88.5%	7.6	11.5%	66.14
Garden organics	3.1	100%	NA	NA	3.1
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	18.9	54.9%	15.5	45.1%	34.41
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	26.22	100%	NA	NA	26.22
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	3.22	24.3%	10	75.7%	13.22
Metal (non-ferrous) – packaging	9.37	86.1%	1.5	13.9%	10.88
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	98.33	52.8%	88.1	47.2%	186.38
Paper – packaging	5.05	82%	1.1	18%	6.16
Paper – other	26.06	5.2%	476.8	94.8%	502.86
Plastic – EPS foam	1.62	18.8%	7	81.2%	8.65
Plastic – film packaging	57.6	84.4%	10.6	15.6%	68.21
Plastic – other	10.86	100%	NA	NA	10.86
Plastic – rigid packaging	54.56	69.3%	24.1	30.7%	78.68
Rubber	0.19	100%	NA	NA	0.19
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	8.85	100%	NA	NA	8.85
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	6.04	100%	NA	NA	6.04
Other (including fines <10 mm)	109.68	84%	20.8	16%	130.5
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>686.39</b>	<b>42.7%</b>	<b>921</b>	<b>57.3%</b>	<b>1607.39</b>

**Table 220: J-O – Office Based Industries C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	20.81	8.2%	233.3	91.8%	254.08
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	15.03	100%	NA	NA	15.03
Food organics – unpackaged	125.55	91.1%	12.2	8.9%	137.76
Garbage bags	58.53	88.5%	7.6	11.5%	66.14
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	5.14	29.6%	12.2	70.4%	17.38
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	3.22	100%	NA	NA	3.22
Metal (non-ferrous) – packaging	4.53	80.7%	1.1	19.3%	5.61
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	80.31	47.8%	87.7	52.2%	167.98
Paper – packaging	4.67	86.8%	0.7	13.2%	5.37
Paper – other	25.83	5.2%	474.5	94.8%	500.32
Plastic – EPS foam	1.42	16.8%	7	83.2%	8.45
Plastic – film packaging	51.86	83.5%	10.2	16.5%	62.09
Plastic – other	10.86	100%	NA	NA	10.86
Plastic – rigid packaging	35.45	62.3%	21.4	37.7%	56.89
Rubber	0.19	100%	0	0%	0.19
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	6.58	100%	NA	NA	6.58
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	2.14	100%	NA	NA	2.14
Other (including fines <10 mm)	109.68	84%	20.8	16%	130.5
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>561.79</b>	<b>38.7%</b>	<b>888.8</b>	<b>61.3%</b>	<b>1450.59</b>

**Table 221: J-O – Office Based Industries C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	5.38	30.9%	12	69.1%	17.41
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	1.81	100%	NA	NA	1.81
Food organics – unpackaged	19.63	98.3%	0.3	1.7%	19.96
Garbage bags	NA	NA	NA	NA	NA
Garden organics	3.1	100%	NA	NA	3.1
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	13.76	80.8%	3.3	19.2%	17.02
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	26.22	100%	NA	NA	26.22
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	10	100%	100
Metal (non-ferrous) – packaging	4.84	91.8%	0.4	8.2%	5.27
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	18.02	97.9%	0.4	2.1%	18.4
Paper – packaging	0.38	49.1%	0.4	50.9%	0.78
Paper – other	0.23	8.9%	2.3	91.1%	2.54
Plastic – EPS foam	0.2	100%	NA	NA	0.2
Plastic – film packaging	5.73	93.7%	0.4	6.3%	6.12
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	19.12	87.8%	2.7	12.2%	21.79
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	2.28	100%	NA	NA	2.28
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	3.9	100%	NA	NA	3.9
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>124.6</b>	<b>79.5%</b>	<b>32.2</b>	<b>20.5%</b>	<b>156.8</b>



**Table 222: J-O – Office Based Industries total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	6	2%	37	14%	229	84%	271
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	2	11%	1	7%	14	82%	17
Food organics – unpackaged	4	3%	20	12%	134	85%	158
Garbage bags	1	1%	6	9%	59	90%	66
Garden organics	1	27%	2	73%	NA	NA	3
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	3	10%	10	29%	21	62%	34
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	0	0%	26	100%	0	0%	26
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	10	76%	3	24%	13
Metal (non-ferrous) – packaging	1	10%	4	37%	6	53%	11
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	6	3%	28	15%	152	82%	186
Paper – packaging	0	7%	1	14%	5	78%	6
Paper – other	9	2%	41	8%	453	90%	503
Plastic – EPS foam	0	3%	7	79%	2	18%	9
Plastic – film packaging	1	2%	8	12%	59	86%	68
Plastic – other	NA	NA	8	70%	3	29%	11
Plastic – rigid packaging	4	6%	18	23%	56	71%	79
Rubber	0	100%	NA	NA	NA	NA	0
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	4	41%	5	59%	9
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	6	100%	NA	NA	6
Other (including fines <10 mm)	1	1%	20	16%	109	84%	131
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>41</b>	<b>3%</b>	<b>256</b>	<b>16%</b>	<b>1310</b>	<b>82%</b>	<b>1607</b>

**Table 223: J-O – Office Based Industries total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	3	1%	35	14%	217	85%	254
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	1	8%	14	92%	15
Food organics – unpackaged	2	2%	11	8%	125	91%	138
Garbage bags	1	1%	6	9%	59	90%	66
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	0	2%	17	98%	17
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	3	100%	3
Metal (non-ferrous) – packaging	NA	NA	0	5%	5	95%	6
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	4	2%	18	11%	146	87%	168
Paper – packaging	NA	NA	1	10%	5	90%	5
Paper – other	8	2%	39	8%	453	90%	500
Plastic – EPS foam	0	1%	7	81%	2	18%	8
Plastic – film packaging	1	2%	5	8%	56	90%	62
Plastic – other	NA	NA	8	70%	3	29%	11
Plastic – rigid packaging	0	1%	6	11%	50	88%	57
Rubber	0	100%	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	1	21%	5	79%	7
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	2	100%	NA	NA	2
Other (including fines <10 mm)	1	1%	20	16%	109	84%	131
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>20</b>	<b>1%</b>	<b>161</b>	<b>11%</b>	<b>1269</b>	<b>87%</b>	<b>1451</b>

**Table 224: J-O – Office Based Industries total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	3	17%	2	14%	12	70%	17
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	2	100%	NA	NA	NA	NA	2
Food organics – unpackaged	2	11%	9	43%	9	46%	20
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	1	27%	2	73%	NA	NA	3
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	3	20%	10	56%	4	24%	17
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	26	100%	NA	NA	26
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	10	100%	NA	NA	10
Metal (non-ferrous) – packaging	1	21%	4	71%	0	8%	5
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	3	15%	10	52%	6	34%	18
Paper – packaging	0	55%	0	45%	NA	NA	1
Paper – other	1	28%	1	41%	1	30%	3
Plastic – EPS foam	0	100%	NA	NA	NA	NA	0
Plastic – film packaging	0	3%	3	54%	3	43%	6
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	4	19%	12	56%	5	25%	22
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	2	100%	NA	NA	2
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	4	100%	NA	NA	4
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>21</b>	<b>13%</b>	<b>95</b>	<b>61%</b>	<b>41</b>	<b>26%</b>	<b>157</b>

**Table 225: P- Education and Training C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	18.55	37.1%	31.4	62.9%	49.97
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	95.98	100%	NA	NA	95.98
Garbage bags	NA	NA	NA	NA	NA
Garden organics	18.3	100%	NA	NA	18.3
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	7.72	100%	0	0%	7.72
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	2.65	26%	7.6	74%	10.21
Metal (non-ferrous) – packaging	5.58	100%	NA	NA	5.58
Metal (non-ferrous) – non-packaging	NA	NA	2.2	100%	2.19
Paper – office	33.24	77%	9.9	23%	43.17
Paper – packaging	0.4	22.2%	1.4	77.8%	1.81
Paper – other	6.7	16.9%	32.9	83.1%	39.62
Plastic – EPS foam	1.92	56.4%	1.5	43.6%	3.41
Plastic – film packaging	7.05	100%	NA	NA	7.05
Plastic – other	11.34	100%	NA	NA	11.34
Plastic – rigid packaging	30.11	100%	NA	NA	30.11
Rubber	0.11	100%	NA	NA	0.11
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.57	100%	NA	NA	0.57
Wood – untreated pallets	22.27	100%	NA	NA	22.27
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	1.47	100%	NA	NA	1.47
Other (including fines <10 mm)	7.1	100%	NA	NA	7.1
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>271.9</b>	<b>75.8%</b>	<b>86.9</b>	<b>24.2%</b>	<b>358.8</b>

**Table 226: P– Education and Training C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	16.78	54.8%	13.9	45.2%	30.63
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	54.02	100%	NA	NA	54.02
Garbage bags	NA	NA	NA	NA	NA
Garden organics	10.55	100%	NA	NA	10.55
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	6.4	100%	NA	NA	6.4
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	2.65	26%	7.6	74%	10.21
Metal (non-ferrous) – packaging	5.1	100%	NA	NA	5.01
Metal (non-ferrous) – non-packaging	NA	NA	2.2	100%	2.19
Paper – office	27.53	76.7%	8.4	23.3%	35.9
Paper – packaging	0.4	22.2%	1.4	77.8%	1.81
Paper – other	4.58	12.5%	32.1	87.5%	36.71
Plastic – EPS foam	1.92	100%	NA	NA	1.92
Plastic – film packaging	4.87	100%	NA	NA	4.87
Plastic – other	11.34	100%	NA	NA	11.34
Plastic – rigid packaging	26.38	100%	NA	NA	26.38
Rubber	0.11	100%	NA	NA	0.11
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.14	100%	NA	NA	0.14
Wood – untreated pallets	22.27	100%	NA	NA	22.27
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	2.62	100%	NA	NA	2.62
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	0.83	100%	NA	NA	0.83
<b>Total</b>	<b>198.4</b>	<b>75.2%</b>	<b>65.5</b>	<b>24.8%</b>	<b>263.9</b>

**Table 227: P– Education and Training C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	1.77	9.2%	17.6	90.8%	19.34
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	41.97	100%	NA	NA	41.97
Garbage bags	NA	NA	NA	NA	NA
Garden organics	7.75	100%	NA	NA	7.75
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	1.32	100%	NA	NA	1.32
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0.56	100%	NA	NA	0.56
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	5.71	78.5%	1.6	21.5%	7.27
Paper – packaging	NA	NA	NA	NA	NA
Paper – other	2.12	73.1%	0.8	26.9%	2.9
Plastic – EPS foam	NA	NA	1.5	100%	1.49
Plastic – film packaging	2.18	100%	NA	NA	2.18
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	3.73	100%	NA	NA	3.73
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.43	100%	NA	NA	0.43
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	1.47	100%	NA	NA	1.47
Other (including fines <10 mm)	4.48	100%	NA	NA	4.48
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>73.5</b>	<b>77.4%</b>	<b>21.4</b>	<b>22.6%</b>	<b>94.9</b>

**Table 228: P– Education and Training total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	7	15%	22	44%	20	41%	50
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	9	9%	51	54%	36	37%	96
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	4	24%	5	30%	8	46%	18
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	0	1%	1	17%	6	82%	8
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	3	26%	8	74%	10
Metal (non-ferrous) – packaging	0	2%	5	91%	0	7%	6
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	2	100%	2
Paper – office	8	18%	11	25%	25	58%	43
Paper – packaging	0	9%	NA	NA	2	91%	2
Paper – other	5	13%	6	16%	28	71%	40
Plastic – EPS foam	0	0%	2	62%	1	38%	3
Plastic – film packaging	1	15%	4	51%	2	34%	7
Plastic – other	2	18%	9	82%	0	0%	11
Plastic – rigid packaging	0	1%	9	31%	21	68%	30
Rubber	0	100%	NA	NA	NA	NA	0
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	0	75%	0	25%	1
Wood – untreated pallets	NA	NA	NA	NA	22	100%	22
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	1	100%	NA	NA	1
Other (including fines <10 mm)	1	15%	6	85%	NA	NA	7
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	1	100%	NA	NA	NA	NA	1
<b>Total</b>	<b>39</b>	<b>11%</b>	<b>137</b>	<b>38%</b>	<b>182</b>	<b>51%</b>	<b>359</b>

**Table 229: P– Education and Training total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	3	10%	7	24%	20	67%	31
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	7	14%	11	20%	36	66%	54
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	0	1%	2	19%	8	80%	11
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	0	1%	NA	NA	6	99%	6
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	3	26%	8	74%	10
Metal (non-ferrous) – packaging	0	3%	4	90%	0	8%	5
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	2	100%	2
Paper – office	6	16%	5	15%	25	69%	36
Paper – packaging	0	9%	NA	NA	2	91%	2
Paper – other	4	11%	4	12%	28	77%	37
Plastic – EPS foam	NA	NA	1	32%	1	67%	2
Plastic – film packaging	1	15%	2	35%	2	50%	5
Plastic – other	2	18%	9	82%	0	0%	11
Plastic – rigid packaging	NA	NA	6	21%	21	78%	26
Rubber	0	100%	NA	NA	NA	NA	0
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	NA	NA	0	100%	0
Wood – untreated pallets	NA	NA	NA	NA	22	100%	22
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	1	25%	2	75%	NA	NA	3
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	1	100%	NA	NA	NA	NA	1
<b>Total</b>	<b>25</b>	<b>10%</b>	<b>56</b>	<b>21%</b>	<b>182</b>	<b>69%</b>	<b>264</b>



**Table 230: P– Education and Training total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	4	23%	15	77%	NA	NA	19
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	1	4%	40	96%	NA	NA	42
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	4	56%	3	44%	NA	NA	8
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	1	100%	NA	NA	1
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	NA	NA	1	100%	NA	NA	1
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	2	26%	5	74%	NA	NA	7
Paper – packaging	NA	NA	NA	NA	NA	NA	NA
Paper – other	1	38%	2	62%	NA	NA	3
Plastic – EPS foam	NA	NA	1	100%	NA	NA	1
Plastic – film packaging	0	15%	2	85%	NA	NA	2
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	0	5%	4	95%	NA	NA	4
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	0	100%	NA	NA	0
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	1	100%	NA	NA	1
Other (including fines <10 mm)	0	8%	4	92%	NA	NA	4
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>14</b>	<b>15%</b>	<b>81</b>	<b>85%</b>	<b>NA</b>	<b>NA</b>	<b>95</b>

**Table 231: Q– Health Care and Social Assistance C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	123.68	38.9%	194.5	61.1%	318.18
Cardboard – wet /wax	10.76	100%	0	0%	10.76
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	889.65	89%	109.9	11%	999.54
Garbage bags	3.09	100%	NA	NA	3.09
Garden organics	11.42	100%	NA	NA	11.42
Glass – non-packaging	273.18	99.2%	2.2	0.8%	275.37
Glass – packaging	136.3	78.6%	37.2	21.4%	173.48
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	6.59	100%	NA	NA	6.59
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	59.25	94.1%	3.7	5.9%	62.95
Metal (non-ferrous) – non-packaging	NA	NA	8.3	100%	8.3
Paper – office	202.07	96.3%	7.8	3.7%	209.92
Paper – packaging	38.73	100%	NA	NA	38.73
Paper – other	2.63	10.5%	22.4	89.5%	25.02
Plastic – EPS foam	11.48	100%	NA	NA	11.48
Plastic – film packaging	114.07	93.1%	8.5	6.9%	122.53
Plastic – other	0.93	100%	NA	NA	0.93
Plastic – rigid packaging	387.85	96%	16.1	4%	403.96
Rubber	0.3	100%	NA	NA	0.3
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	44.77	100%	NA	NA	44.77
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	807	100%	NA	NA	807
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	69.84	100%	NA	NA	69.84
<b>Total</b>	<b>2466.66</b>	<b>85.7%</b>	<b>410.6</b>	<b>14.3%</b>	<b>2877.24</b>

**Table 232: Q– Health Care and Social Assistance C&I waste streams – SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	58.61	40%	88	60%	146.62
Cardboard – wet /wax	10.76	100%	NA	NA	10.76
Electrical – computers and peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	447.05	100%	NA	NA	447.05
Garbage bags	3.09	100%	NA	NA	3.09
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	89.61	71%	36.6	29%	126.26
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	6.59	100%	NA	NA	6.59
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	6.03	64.8%	3.3	35.2%	9.31
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	76.38	91.9%	6.7	8.1%	83.07
Paper – packaging	33.96	100%	NA	NA	33.96
Paper – other	1.71	8.4%	18.7	91.6%	20.39
Plastic – EPS foam	4.48	100%	NA	NA	4.48
Plastic – film packaging	53.74	86.4%	8.5	13.6%	62.2
Plastic – other	0.93	100%	NA	NA	0.93
Plastic – rigid packaging	152.63	93%	11.5	7%	164.17
Rubber	0.3	100%	NA	NA	0.3
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	29.5	100%	NA	NA	29.5
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	58.92	100%	NA	NA	58.92
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	10.83	100%	NA	NA	10.83
<b>Total</b>	<b>1045.13</b>	<b>85.8%</b>	<b>173.3</b>	<b>14.2%</b>	<b>1218.44</b>

**Table 233: Q– Health Care and Social Assistance C&I waste streams – ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	65.07	37.9%	106.5	62.1%	171.56
Cardboard – wet /wax	NA	NA	NA	NA	NA
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	442.6	80.1%	109.9	19.9%	552.49
Garbage bags	NA	NA	NA	NA	NA
Garden organics	11.42	100%	NA	NA	11.42
Glass – non-packaging	273.18	99.2%	2.2	0.8%	275.37
Glass – packaging	46.69	98.9%	0.5	1.1%	47.22
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	53.21	99.2%	0.4	0.8%	53.64
Metal (non-ferrous) – non-packaging	NA	NA	8.3	100%	8.3
Paper – office	125.7	99.1%	1.2	0.9%	126.86
Paper – packaging	4.77	100%	0	0%	4.77
Paper – other	0.92	19.9%	3.7	80.1%	4.63
Plastic – EPS foam	7	100%	NA	NA	7
Plastic – film packaging	60.33	100%	NA	NA	60.33
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	235.22	98.1%	4.6	1.9%	239.79
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	15.27	100%	NA	NA	15.27
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA
Other (including fines <10 mm)	21.15	100%	NA	NA	21.15
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	59.01	100%	NA	NA	59.01
<b>Total</b>	<b>1421.53</b>	<b>85.7%</b>	<b>237.3</b>	<b>14.3%</b>	<b>1658.8</b>

**Table 234: Q– Health Care and Social Assistance total detailed composition – All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard – dry	2	1%	119	37%	197	62%	318
Cardboard – wet /wax	NA	NA	NA	NA	11	100%	11
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	1	0%	347	35%	651	65%	1000
Garbage bags	0	2%	3	98%	NA	NA	3
Garden organics	NA	NA	11	100%	NA	NA	11
Glass – non-packaging	NA	NA	2	1%	273	99%	275
Glass – packaging	1	0%	93	54%	80	46%	173
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	7	100%	7
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	NA	NA	21	33%	42	67%	63
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	8	100%	8
Paper – office	1	0%	83	39%	126	60%	210
Paper – packaging	0	0%	24	61%	15	38%	39
Paper – other	1	2%	10	38%	15	60%	25
Plastic – EPS foam	NA	NA	4	36%	7	64%	11
Plastic – film packaging	NA	NA	51	41%	72	59%	123
Plastic – other	1	77%	0	23%	NA	NA	1
Plastic – rigid packaging	0	0%	125	31%	279	69%	404
Rubber	0	100%	NA	NA	NA	NA	0
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	1%	27	60%	18	40%	45
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	2	3%	21	26%	57	72%	80
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	41	59%	29	41%	70
<b>Total</b>	<b>10</b>	<b>0%</b>	<b>981</b>	<b>34%</b>	<b>1887</b>	<b>66%</b>	<b>2877</b>

**Table 235: Q– Health Care and Social Assistance total detailed composition – SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	2	2%	56	38%	89	60%	147
Cardboard – wet /wax	NA	NA	NA	NA	11	100%	11
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	NA	NA	132	30%	314	70%	447
Garbage bags	0	2%	3	98%	NA	NA	3
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	47	37%	80	63%	126
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	7	100%	7
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	NA	NA	7	75%	2	25%	9
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	1	1%	32	38%	51	61%	83
Paper – packaging	0	1%	19	56%	15	44%	34
Paper – other	0	1%	5	25%	15	73%	20
Plastic – EPS foam	NA	NA	2	39%	3	61%	4
Plastic – film packaging	NA	NA	16	26%	46	74%	62
Plastic – other	1	77%	0	23%	NA	NA	1
Plastic – rigid packaging	NA	NA	50	31%	114	69%	164
Rubber	0	100%	NA	NA	NA	NA	0
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	1%	11	39%	18	60%	30
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	0	1%	1	2%	57	97%	59
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	11	100%	NA	NA	11
<b>Total</b>	<b>6</b>	<b>0%</b>	<b>393</b>	<b>32%</b>	<b>820</b>	<b>67%</b>	<b>1218</b>

**Table 236: Q– Health Care and Social Assistance total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total Tonnes
	Tonnes	%	Tonnes	%	Tonnes	%	
Cardboard – dry	NA	NA	63	37%	108	63%	172
Cardboard – wet /wax	NA	NA	NA	NA	NA	NA	NA
Electrical – computers and peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	1	0%	215	39%	337	61%	552
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	11	100%	NA	NA	11
Glass – non-packaging	NA	NA	2	1%	273	99%	275
Glass – packaging	1	1%	47	99%	NA	NA	47
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	NA	NA	14	26%	40	74%	54
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	8	100%	8
Paper – office	NA	NA	51	40%	76	60%	127
Paper – packaging	NA	NA	5	100%	NA	NA	5
Paper – other	0	7%	4	93%	NA	NA	5
Plastic – EPS foam	NA	NA	2	34%	5	66%	7
Plastic – film packaging	NA	NA	34	57%	26	43%	60
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	NA	NA	75	31%	165	69%	240
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	15	100%	NA	NA	15
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	NA	NA	NA
Other (including fines <10 mm)	2	9%	19	91%	NA	NA	21
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	30	51%	29	49%	59
<b>Total</b>	<b>4</b>	<b>0%</b>	<b>589</b>	<b>35%</b>	<b>1066</b>	<b>64%</b>	<b>1659</b>

**Table 237: R– Arts and Recreation Services C&I waste streams – All Areas**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	78.58	39.5%	120.2	60.5%	198.78
Cardboard – wet /wax	29.56	100%	NA	NA	29.56
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	726.19	98.5%	11	1.5%	737.17
Garbage bags	NA	NA	NA	NA	NA
Garden organics	47.85	100%	NA	NA	47.85
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	158.2	63.6%	90.7	36.4%	248.89
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0.17	100%	NA	NA	0.17
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	9.14	68.5%	4.2	31.5%	13.33
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	57.61	88.1%	7.7	11.9%	65.36
Paper – packaging	66.06	99.3%	0.4	0.7%	66.5
Paper – other	1.51	91.1%	0.1	8.9%	1.66
Plastic – EPS foam	8.68	100%	NA	NA	8.68
Plastic – film packaging	119.47	96.7%	4.1	3.3%	123.59
Plastic – other	26.24	100%	NA	NA	26.24
Plastic – rigid packaging	214.27	88.7%	27.2	11.3%	241.51
Rubber	0.29	100%	NA	NA	0.29
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.43	100%	NA	NA	0.43
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	3.35	100%	NA	NA	3.35
Other (including fines <10 mm)	0.5	100%	NA	NA	0.5
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>1548.1</b>	<b>85.3%</b>	<b>265.8</b>	<b>14.7%</b>	<b>1813.86</b>



**Table 238: R– Arts and Recreation Services C&I waste streams - SMA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	73.53	42%	101.6	58%	175.09
Cardboard – wet /wax	27.62	100%	NA	NA	27.62
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	694.31	98.7%	8.8	1.3%	703.14
Garbage bags	NA	NA	NA	NA	NA
Garden organics	47.85	100%	NA	NA	47.85
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	144.09	66.8%	71.5	33.2%	215.56
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0.17	100%	NA	NA	0.17
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	6.33	62.9%	3.7	37.1%	107
Metal (non-ferrous) – non-packaging	NA	NA	NA	NA	NA
Paper – office	45.07	87.1%	6.7	12.9%	51.73
Paper – packaging	62.68	100%	NA	NA	62.68
Paper – other	1.51	100%	NA	NA	1.51
Plastic – EPS foam	8.01	100%	NA	NA	8.01
Plastic – film packaging	116.34	96.8%	3.9	3.2%	120.2
Plastic – other	26.24	100%	NA	NA	26.24
Plastic – rigid packaging	201.3	89%	24.8	11%	226.13
Rubber	0.29	100%	NA	NA	0.29
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	0.39	100%	NA	NA	0.39
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	2.77	100%	NA	NA	2.77
Other (including fines <10 mm)	0.5	100%	NA	NA	0.5
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>1459</b>	<b>86.8%</b>	<b>221</b>	<b>13.2%</b>	<b>1679.96</b>

**Table 239: R– Arts and Recreation Services C&I waste streams - ERA**

	Landfilled		Diverted		Total
	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	5.05	21.3%	18.6	78.7%	23.7
Cardboard – wet /wax	1.94	100%	NA	NA	1.94
Electrical – computers/peripherals	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA
Food organics – unpackaged	31.88	93.7%	2.2	6.3%	34.03
Garbage bags	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA
Glass – packaging	14.12	42.4%	19.2	57.6%	33.32
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	2.81	86.1%	0.5	13.9%	3.26
Metal (non-ferrous)– non-packaging	NA	NA	NA	NA	NA
Paper – office	12.54	92%	1.1	8%	13.62
Paper – packaging	3.38	88.4%	0.4	11.6%	3.82
Paper – other	NA	NA	0.1	100%	0.15
Plastic – EPS foam	0.68	100%	NA	NA	0.68
Plastic – film packaging	3.13	92.3%	0.3	7.7%	3.39
Plastic – other	NA	NA	NA	NA	NA
Plastic – rigid packaging	12.98	84.4%	2.4	15.6%	15.38
Rubber	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA
Textile – cloths & rags	3	100%	NA	NA	3
Wood – untreated pallets	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA
Wood – other treated/painted	0.58	100%	NA	NA	0.58
Other (including fines <10 mm)	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA
<b>Total</b>	<b>89.1</b>	<b>66.5%</b>	<b>44.8</b>	<b>33.5%</b>	<b>133.9</b>

**Table 240: R– Arts and Recreation Services total detailed composition - All Areas**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	13	6%	69	35%	117	59%	199
Cardboard – wet /wax	1	4%	6	20%	23	77%	30
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	6	1%	366	50%	364	49%	737
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	7	15%	41	85%	48
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	7	3%	110	44%	132	53%	249
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	0	3%	0	97%	NA	NA	0
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1	6%	9	66%	4	28%	13
Metal (non-ferrous)– non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	9	13%	40	62%	16	25%	65
Paper – packaging	4	5%	NA	NA	63	94%	67
Paper – other	0	18%	NA	NA	1	82%	2
Plastic – EPS foam	0	4%	3	30%	6	66%	9
Plastic – film packaging	2	1%	37	30%	85	68%	124
Plastic – other	0	0%	4	14%	22	85%	26
Plastic – rigid packaging	9	4%	67	28%	165	68%	242
Rubber	NA	NA	0	100%	NA	NA	0
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	8%	0	92%	NA	NA	0
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	1	17%	NA	NA	3	83%	3
Other (including fines <10 mm)	NA	NA	0	100%	NA	NA	0
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>53</b>	<b>3%</b>	<b>720</b>	<b>40%</b>	<b>1041</b>	<b>57%</b>	<b>1814</b>

**Table 241: R– Arts and Recreation Services total detailed composition - SMA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	0	0%	58	33%	117	67%	175
Cardboard – wet /wax	NA	NA	5	18%	23	82%	28
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	NA	NA	339	48%	364	52%	703
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	7	15%	41	85%	48
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	NA	NA	84	39%	132	61%	216
Masonry materials – concrete/bricks	0	0%	0	0%	0	0%	0
Masonry materials – other	0	0%	0	0%	0	0%	0
Metal (ferrous) – packaging	0	3%	0	97%	NA	NA	0
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	0	0%	6	63%	4	37%	10
Metal (non-ferrous)– non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	0	1%	35	68%	16	31%	52
Paper – packaging	NA	NA	NA	NA	63	100%	63
Paper – other	0	11%	NA	NA	1	89%	2
Plastic – EPS foam	NA	NA	2	28%	6	72%	8
Plastic – film packaging	NA	NA	36	30%	85	70%	120
Plastic – other	NA	NA	4	14%	22	85%	26
Plastic – rigid packaging	NA	NA	61	27%	165	73%	226
Rubber	NA	NA	0	100%	NA	NA	0
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	NA	NA	0	100%	NA	NA	0
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	NA	NA	NA	NA	3	100%	3
Other (including fines <10 mm)	NA	NA	0	100%	NA	NA	0
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>1</b>	<b>0%</b>	<b>638</b>	<b>38%</b>	<b>1041</b>	<b>62%</b>	<b>1680</b>

**Table 242: R– Arts and Recreation Services total detailed composition – ERA**

	Small (5-19 EFT)		Medium (20-199 EFT)		Large (>200 EFT)		Total
	Tonnes	%	Tonnes	%	Tonnes	%	Tonnes
Cardboard – dry	12	52%	11	48%	NA	NA	24
Cardboard – wet /wax	1	56%	1	44%	NA	NA	2
Electrical – computers/peripherals	NA	NA	NA	NA	NA	NA	NA
Electrical – other	NA	NA	NA	NA	NA	NA	NA
Electrical – TVs	NA	NA	NA	NA	NA	NA	NA
Electrical – whitegoods	NA	NA	NA	NA	NA	NA	NA
Food organics – packaged	NA	NA	NA	NA	NA	NA	NA
Food organics – unpackaged	6	19%	28	81%	NA	NA	34
Garbage bags	NA	NA	NA	NA	NA	NA	NA
Garden organics	NA	NA	NA	NA	NA	NA	NA
Glass – non-packaging	NA	NA	NA	NA	NA	NA	NA
Glass – packaging	7	22%	26	78%	NA	NA	33
Masonry materials – concrete/bricks	NA	NA	NA	NA	NA	NA	NA
Masonry materials – other	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – packaging	NA	NA	NA	NA	NA	NA	NA
Metal (ferrous) – non-packaging	NA	NA	NA	NA	NA	NA	NA
Metal (non-ferrous) – packaging	1	24%	2	76%	NA	NA	3
Metal (non-ferrous)– non-packaging	NA	NA	NA	NA	NA	NA	NA
Paper – office	8	60%	5	40%	NA	NA	14
Paper – packaging	4	93%	0	7%	NA	NA	4
Paper – other	0	100%	NA	NA	NA	NA	0
Plastic – EPS foam	0	46%	0	54%	NA	NA	1
Plastic – film packaging	2	48%	2	52%	NA	NA	3
Plastic – other	NA	NA	NA	NA	NA	NA	NA
Plastic – rigid packaging	9	60%	6	40%	NA	NA	15
Rubber	NA	NA	NA	NA	NA	NA	NA
Textile – furniture	NA	NA	NA	NA	NA	NA	NA
Textile – carpet/underlay	NA	NA	NA	NA	NA	NA	NA
Textile – mattress	NA	NA	NA	NA	NA	NA	NA
Textile – cloths & rags	0	100%	NA	NA	NA	NA	0
Wood – untreated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – treated pallets	NA	NA	NA	NA	NA	NA	NA
Wood – other untreated	NA	NA	NA	NA	NA	NA	NA
Wood – other treated/painted	1	100%	NA	NA	NA	NA	1
Other (including fines <10 mm)	NA	NA	NA	NA	NA	NA	NA
Other – Batteries	NA	NA	NA	NA	NA	NA	NA
Other – Gas Bottles	NA	NA	NA	NA	NA	NA	NA
Other – Nappies	NA	NA	NA	NA	NA	NA	NA
<b>Total</b>	<b>52</b>	<b>39%</b>	<b>82</b>	<b>61%</b>	<b>NA</b>	<b>NA</b>	<b>134</b>

**Table 243: Benchmarking data by site per day**

	Total Waste kg per NLA/GLA	General Waste kg per NLA/GLA	Recycling Kg Per NLA/GLA
C - Manufacturing	2.76	0.59	2.17
Manufacturing 1	0.26	0.19	07
Manufacturing 2	0.13	2	0.11
Manufacturing 3	3	3	1
Manufacturing 4	0	0	0
Manufacturing 5	0.39	0.29	0.11
Manufacturing 6	5	3	2
Food Manufacturer 1	2	1	1
Food Manufacturer 2	4.43	0.28	4.15
Food Manufacturer 3	07	5	2
Manufacturing 7	3	1	2
F - Wholesale Trade	2.66	0.81	1.85
Wholesale Trade 1	5	3	1
Wholesale Trade 2	4	3	1
Wholesale Trade 3	0.23	0	0.23
G - Retail Trade	6	2	4
Furniture and Bedding	0.24	2	0.22
Fashion	3	1	2
Fashion and General Merchandise 1	2	1	1
Fashion and General Merchandise 2	2	1	1
Fashion and General Merchandise 3	3	1	3
Fashion and General Merchandise 4	5	1	4
Fashion and General Merchandise 5	5	1	3
Fashion and General Merchandise 6	4	0	3
Fashion and General Merchandise 7	3	0	3
Fashion and General Merchandise 8	1	0	1
Fashion and General Merchandise 9	5	1	4
H - Accommodation and Food Services	31.25	18.48	12.76
Food Outlet	0.5	0.23	0.26
I - Transport, Postal and Warehousing	4	2	2
Transport 1	9	2	07
Transport 2	3	2	1
Transport 3	2	1	1
Transport 4	2	1	1
Transport 5	0.13	8	6
Transport 6	6	4	2
Transport 7	2	0	2

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Transport 8	4	1	4
Transport 9	2	1	1
Transport 10	0	0	0
Transport 11	2	2	0
Transport 12	2	0	2
Transport 13	1	1	0
J-O - Office Based Industries	2	1	1
Bank 1	1	0	0
Council Civic Centre	2	1	1
Bank 2	2	1	1
Bank 3	2	1	1
Bank 4	2	0	2
Real Estate	3	1	2
Bank 5	1	0	1
Bank 6	1	0	1
Bank 7	2	0	1
Bank 8	1	0	1
Bank 9	1	1	1
Bank 10	1	1	0
Bank 11	1	0	0
Bank 12	2	1	1
Bank 13	2	1	1
Bank 14	3	1	2
Q - Health Care and Social Assistance	15.77	13.52	2.25
Hospital	0.23	8	0.15

**Table 244: Density Raw data**

Site No.	Stream	Bin Size	Net Weight
Site 1	General Waste	1100L MGB	74.2
Site 1	General Waste	1100L MGB	63.8
Site 1	General Waste	1100L MGB	51.2
Site 1	General Waste	1100L MGB	72.3
Site 1	General Waste	1100L MGB	79.1
Site 1	General Waste	1100L MGB	68.7
Site 1	General Waste	1100L MGB	73.8
Site 1	General Waste	1100L MGB	62.5
Site 1	General Waste	240L MGB	6.6
Site 1	General Waste	240L MGB	13.9
Site 1	General Waste	240L MGB	30
Site 1	General Waste	240L MGB	14.3
Site 1	General Waste	240L MGB	34.5
Site 1	General Waste	240L MGB	32.3
Site 1	General Waste	240L MGB	8.1
Site 1	General Waste	240L MGB	4.4
Site 1	General Waste	240L MGB	16.8
Site 1	General Waste	240L MGB	34.9
Site 1	General Waste	240L MGB	30.3
Site 1	General Waste	240L MGB	12.2
Site 1	General Waste	240L MGB	18.8
Site 1	Paper	240L MGB	14.68
Site 1	Paper	240L MGB	14.21
Site 1	Paper	240L MGB	10.88
Site 1	Paper	240L MGB	7.18
Site 1	Paper	240L MGB	11.49
Site 1	Paper	240L MGB	8.93
Site 1	Paper	240L MGB	10.97
Site 1	Paper	240L MGB	8.76
Site 1	Paper	240L MGB	9.98
Site 1	Paper	240L MGB	18.53
Site 1	Comingled	1100L MGB	56.1
Site 1	Comingled	1100L MGB	95.9



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Site 1	Comingled	1100L MGB	83
Site 1	Comingled	1100L MGB	97.6
Site 1	Comingled	1100L MGB	104.4
Site 1	Comingled	1100L MGB	93.3
Site 1	Glass	240L MGB	64.35
Site 1	Glass	120L MGB	29.51
Site 1	Glass	120L MGB	3.95
Site 1	Glass	120L MGB	24.4
Site 1	Glass	120L MGB	10.8
Site 1	Organics	120L MGB	15.44
Site 1	Organics	120L MGB	20.39
Site 1	Organics	120L MGB	35.83
Site 2	General Waste	1100L MGB	63.7
Site 2	General Waste	1100L MGB	140.1
Site 2	General Waste	1100L MGB	67.5
Site 2	General Waste	1100L MGB	93.6
Site 2	General Waste	1100L MGB	127.7
Site 2	General Waste	1100L MGB	125.2
Site 2	General Waste	1100L MGB	88
Site 2	General Waste	240L MGB	33.96
Site 2	General Waste	240L MGB	14.78
Site 2	Paper	240L MGB	7.5
Site 2	Paper	240L MGB	8.34
Site 2	Paper	240L MGB	8.75
Site 2	Paper	240L MGB	9.73
Site 2	Paper	240L MGB	9.79
Site 2	Paper	240L MGB	9.79
Site 2	Paper	240L MGB	10.13
Site 2	Paper	240L MGB	11.79
Site 2	Paper	240L MGB	12.05
Site 2	Paper	240L MGB	12.38
Site 2	Paper	240L MGB	12.58
Site 2	Paper	240L MGB	15.09
Site 2	Paper	240L MGB	15.15
Site 2	Paper	240L MGB	16.69

Site 2	Paper	240L MGB	18.96
Site 2	Comingled	1100L MGB	32.6
Site 2	Comingled	1100L MGB	51.4
Site 2	Comingled	1100L MGB	54.4
Site 2	Glass	240L MGB	11.33
Site 2	Glass	240L MGB	19.34
Site 2	Glass	240L MGB	40.33
Site 2	Glass	240L MGB	46.02
Site 2	Glass	240L MGB	47.97
Site 2	Glass	240L MGB	55.78
Site 2	Glass	240L MGB	64.75
Site 2	Glass	240L MGB	71.26
Site 2	Organics	120L MGB	73.63
Site 2	Organics	120L MGB	61.4
Site 2	Organics	120L MGB	37.4
Site 3	General Waste	1100L MGB	154.5
Site 3	General Waste	1100L MGB	97.1
Site 3	General Waste	1100L MGB	218.5
Site 3	General Waste	1100L MGB	106.6
Site 3	Comingled	1100L MGB	7.2
Site 3	Glass	240L MGB	11.33
Site 3	Glass	240L MGB	19.34
Site 3	Glass	240L MGB	40.33
Site 3	Glass	240L MGB	46.02
Site 3	Glass	240L MGB	47.97
Site 3	Glass	240L MGB	55.78
Site 3	Glass	240L MGB	64.75
Site 3	Glass	240L MGB	71.26
Site 3	Organics	120L MGB	73.63
Site 3	Organics	120L MGB	61.4
Site 3	Organics	120L MGB	37.4
Site 4	General Waste	1100L MGB	80.6
Site 4	General Waste	1100L MGB	102.2
Site 4	General Waste	1100L MGB	87.4
Site 4	General Waste	240L MGB	29.6

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Site 4	Comingled	1100L MGB	55.7
Site 4	Comingled	1100L MGB	51.3
Site 4	Comingled	1100L MGB	66.1
Site 4	Comingled	1100L MGB	59.3
Site 5	General Waste	660L MGB	50.6
Site 5	General Waste	660L MGB	47.8
Site 5	General Waste	660L MGB	29.8
Site 5	General Waste	660L MGB	33.6
Site 5	Comingled	660L MGB	5.3
Site 6	General Waste	660L MGB	55.4
Site 6	General Waste	660L MGB	49.4
Site 6	General Waste	660L MGB	62.1
Site 7	General Waste	1100L MGB	63.7
Site 7	General Waste	1100L MGB	64
Site 7	General Waste	1100L MGB	71.6
Site 7	General Waste	240L MGB	35.73
Site 7	General Waste	240L MGB	69.56
Site 7	General Waste	240L MGB	31.62
Site 7	General Waste	240L MGB	21.98
Site 7	Comingled	120L MGB	22.38
Site 7	Comingled	240L MGB	4.12
Site 7	Comingled	240L MGB	1.8
Site 7	Comingled	240L MGB	3.34
Site 7	Comingled	240L MGB	1.68
Site 7	Comingled	1100L MGB	53.7
Site 7	Cardboard	660L MGB	61.4
Site 7	Cardboard	660L MGB	63.5
Site 7	Glass	240L MGB	22.35
Site 8	Comingled	240L MGB	12.7
Site 8	Comingled	240L MGB	2.4
Site 8	Comingled	240L MGB	4.1
Site 8	Comingled	240L MGB	10.7
Site 8	Comingled	240L MGB	8.2
Site 8	Comingled	240L MGB	13.1
Site 8	Comingled	240L MGB	1.3

Site 8	Comingled	240L MGB	0.9
Site 8	Comingled	240L MGB	24.2
Site 8	Comingled	240L MGB	8.1
Site 8	Comingled	240L MGB	6.6
Site 8	Comingled	240L MGB	11.6
Site 8	Comingled	240L MGB	2.2
Site 8	Comingled	240L MGB	2.3
Site 8	Comingled	240L MGB	1.1
Site 8	Comingled	240L MGB	8.9
Site 8	Comingled	240L MGB	12
Site 8	Comingled	240L MGB	13.4
Site 8	Comingled	240L MGB	2.8
Site 8	Comingled	240L MGB	2.4
Site 8	Comingled	240L MGB	15.5
Site 8	Comingled	240L MGB	11.7
Site 8	Comingled	240L MGB	5.3
Site 8	Comingled	240L MGB	3.8
Site 8	Comingled	240L MGB	0.9
Site 8	Comingled	240L MGB	9.7
Site 8	Comingled	240L MGB	7.1
Site 8	Comingled	240L MGB	10.3
Site 8	Comingled	240L MGB	5.6
Site 8	Comingled	240L MGB	10.4
Site 8	Comingled	240L MGB	5.2
Site 8	Comingled	240L MGB	9
Site 8	Comingled	240L MGB	6
Site 8	Comingled	240L MGB	6.2
Site 8	Comingled	240L MGB	2.7
Site 8	Comingled	240L MGB	4.2
Site 8	Cardboard	660L MGB	6.4
Site 8	Cardboard	660L MGB	9.3
Site 8	Cardboard	660L MGB	14.1
Site 8	Cardboard	660L MGB	10.9
Site 8	Cardboard	660L MGB	14.7
Site 8	Cardboard	660L MGB	15.5

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Site 8	Cardboard	660L MGB	34.7
Site 8	Cardboard	660L MGB	15.3
Site 8	Cardboard	660L MGB	1.2
Site 8	Cardboard	660L MGB	13.7
Site 8	Cardboard	660L MGB	3.6
Site 8	Cardboard	660L MGB	6.4
Site 8	Cardboard	660L MGB	5
Site 8	Cardboard	660L MGB	33.8
Site 8	Cardboard	660L MGB	29.4
Site 8	Cardboard	660L MGB	10.6
Site 8	Cardboard	660L MGB	5
Site 8	Cardboard	660L MGB	24.8
Site 8	Cardboard	660L MGB	5.2
Site 8	Cardboard	660L MGB	33.5
Site 8	Cardboard	660L MGB	5.9
Site 8	Cardboard	660L MGB	28
Site 8	Cardboard	660L MGB	33.6
Site 8	Cardboard	660L MGB	4
Site 8	Cardboard	660L MGB	26.8
Site 8	Cardboard	660L MGB	5.7
Site 8	Cardboard	660L MGB	5.6
Site 8	Cardboard	660L MGB	36.9
Site 8	Cardboard	660L MGB	28.9
Site 8	Cardboard	660L MGB	19.4
Site 8	Cardboard	660L MGB	4.3
Site 8	Cardboard	660L MGB	45.3
Site 8	Cardboard	660L MGB	0.9
Site 8	General Waste	240L MGB	26.6
Site 8	General Waste	240L MGB	48.9
Site 8	General Waste	240L MGB	13
Site 8	General Waste	240L MGB	13
Site 8	General Waste	240L MGB	29.4
Site 8	General Waste	240L MGB	41
Site 8	General Waste	240L MGB	29.6
Site 8	General Waste	240L MGB	20.9

Site 8	General Waste	240L MGB	10.7
Site 8	General Waste	240L MGB	16.3
Site 8	General Waste	240L MGB	37.4
Site 8	General Waste	240L MGB	14.8
Site 8	General Waste	240L MGB	32.7
Site 8	General Waste	240L MGB	35.7
Site 8	General Waste	240L MGB	49.1
Site 8	General Waste	240L MGB	12.4
Site 8	General Waste	240L MGB	40.8
Site 8	General Waste	240L MGB	23.5
Site 8	General Waste	240L MGB	68.3
Site 8	General Waste	240L MGB	11.1
Site 8	General Waste	240L MGB	5
Site 8	General Waste	240L MGB	18.8
Site 8	General Waste	240L MGB	14.2
Site 8	General Waste	240L MGB	60.5
Site 8	General Waste	240L MGB	41.8
Site 8	General Waste	240L MGB	32.9
Site 8	General Waste	240L MGB	37.7
Site 8	General Waste	240L MGB	49.5
Site 8	General Waste	240L MGB	61.2
Site 8	General Waste	240L MGB	11.6
Site 8	General Waste	240L MGB	31
Site 8	General Waste	240L MGB	23.8
Site 8	General Waste	240L MGB	34.3
Site 8	General Waste	240L MGB	43.7
Site 8	General Waste	240L MGB	6.1
Site 8	General Waste	240L MGB	43.5
Site 8	General Waste	240L MGB	12.2
Site 8	General Waste	240L MGB	25.2
Site 8	General Waste	240L MGB	13.1
Site 8	General Waste	240L MGB	27.8
Site 8	General Waste	240L MGB	11.5
Site 8	General Waste	240L MGB	11.4
Site 8	General Waste	240L MGB	12.7

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Site 8	General Waste	240L MGB	27.5
Site 8	General Waste	240L MGB	9.7
Site 8	General Waste	240L MGB	26.7
Site 8	General Waste	240L MGB	41.9
Site 8	General Waste	240L MGB	32.8
Site 8	General Waste	240L MGB	9.9
Site 8	General Waste	240L MGB	46.7
Site 8	General Waste	240L MGB	45.5
Site 8	General Waste	240L MGB	15.4
Site 8	General Waste	240L MGB	16
Site 8	General Waste	240L MGB	10.4
Site 8	General Waste	240L MGB	31
Site 8	General Waste	240L MGB	7.7
Site 8	General Waste	240L MGB	7.1
Site 8	General Waste	240L MGB	41.7
Site 8	General Waste	240L MGB	28.4
Site 8	General Waste	240L MGB	23.4
Site 8	General Waste	240L MGB	34.9
Site 8	General Waste	240L MGB	13.4
Site 8	General Waste	240L MGB	42.8
Site 8	General Waste	240L MGB	31.4
Site 8	General Waste	240L MGB	29.9
Site 8	General Waste	240L MGB	62.9
Site 8	General Waste	240L MGB	48.7
Site 8	General Waste	240L MGB	17.4
Site 8	General Waste	240L MGB	24.2
Site 8	General Waste	240L MGB	47.9
Site 8	General Waste	240L MGB	31.7
Site 8	General Waste	240L MGB	2.1
Site 8	General Waste	240L MGB	12.2
Site 8	General Waste	240L MGB	32.9
Site 8	General Waste	240L MGB	41.3
Site 8	General Waste	240L MGB	53.6
Site 8	General Waste	240L MGB	49.2
Site 8	General Waste	240L MGB	36.8

Site 8	General Waste	240L MGB	28.9
Site 8	General Waste	240L MGB	26.4
Site 8	General Waste	240L MGB	32.3
Site 8	General Waste	240L MGB	13.1
Site 8	General Waste	240L MGB	11.1
Site 8	General Waste	240L MGB	17.4
Site 8	General Waste	240L MGB	48.2
Site 8	General Waste	240L MGB	32.9
Site 8	General Waste	240L MGB	15.2
Site 8	General Waste	240L MGB	13.3
Site 8	General Waste	240L MGB	43.1
Site 8	General Waste	240L MGB	23.9
Site 8	General Waste	240L MGB	9.9
Site 8	General Waste	240L MGB	57.4
Site 8	General Waste	240L MGB	45.2
Site 8	General Waste	240L MGB	35.9
Site 8	General Waste	240L MGB	16.3
Site 8	General Waste	240L MGB	18.4
Site 8	General Waste	240L MGB	15.2
Site 8	General Waste	240L MGB	9.9
Site 8	General Waste	240L MGB	16.7
Site 8	General Waste	240L MGB	23.8
Site 8	General Waste	240L MGB	42.8
Site 8	General Waste	240L MGB	13.7
Site 8	General Waste	240L MGB	12.7
Site 8	General Waste	240L MGB	20.3
Site 8	General Waste	240L MGB	36.3
Site 8	General Waste	240L MGB	41.5
Site 8	General Waste	240L MGB	64.5
Site 8	General Waste	240L MGB	29.9
Site 8	General Waste	240L MGB	24.1
Site 8	General Waste	240L MGB	54.3
Site 8	General Waste	240L MGB	61.9
Site 8	General Waste	240L MGB	39
Site 8	General Waste	240L MGB	11.1



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Site 8	General Waste	240L MGB	30.1
Site 8	General Waste	240L MGB	34.6
Site 8	General Waste	240L MGB	16.3
Site 8	General Waste	240L MGB	13.6
Site 8	General Waste	240L MGB	12.6
Site 8	General Waste	240L MGB	28.6
Site 8	General Waste	240L MGB	32.2
Site 8	General Waste	240L MGB	43.1
Site 8	General Waste	240L MGB	12.1
Site 8	General Waste	240L MGB	54.5
Site 8	General Waste	240L MGB	46.6
Site 8	General Waste	240L MGB	58.4
Site 8	General Waste	240L MGB	42.9
Site 8	General Waste	240L MGB	34.8
Site 8	General Waste	240L MGB	13.9
Site 8	General Waste	240L MGB	17.3
Site 8	General Waste	240L MGB	49.8
Site 8	General Waste	240L MGB	50.9
Site 8	General Waste	240L MGB	12.2
Site 8	General Waste	240L MGB	58.3
Site 8	General Waste	240L MGB	6.1
Site 8	General Waste	240L MGB	15.5
Site 8	General Waste	240L MGB	27.3
Site 8	General Waste	240L MGB	5.9
Site 8	General Waste	240L MGB	29.8
Site 8	General Waste	240L MGB	36.2
Site 8	General Waste	240L MGB	17.7
Site 8	General Waste	240L MGB	4.3
Site 8	General Waste	240L MGB	28.93
Site 8	General Waste	240L MGB	28.93
Site 8	General Waste	240L MGB	28.93
Site 8	General Waste	240L MGB	28.93
Site 8	General Waste	240L MGB	28.93
Site 8	General Waste	240L MGB	28.93
Site 8	General Waste	240L MGB	28.93

Site 8	General Waste	240L MGB	28.93
Site 8	General Waste	240L MGB	31.12
Site 8	General Waste	240L MGB	31.12
Site 8	General Waste	240L MGB	32.75
Site 8	Organics	240L MGB	5.3
Site 8	Organics	240L MGB	5.7
Site 8	Organics	240L MGB	11.8
Site 8	Organics	240L MGB	17.3
Site 9	Paper	240L MGB	54.9
Site 9	Paper	240L MGB	7.6
Site 9	Paper	240L MGB	3.6
Site 9	Paper	240L MGB	33.6
Site 9	Paper	240L MGB	9.7
Site 9	Paper	240L MGB	5.7
Site 9	Paper	240L MGB	6.3
Site 9	Paper	240L MGB	6.1
Site 9	Paper	240L MGB	5.9
Site 9	Paper	240L MGB	2.8
Site 9	Paper	240L MGB	4.9
Site 9	Paper	240L MGB	5.8
Site 9	Paper	240L MGB	23.6
Site 9	Paper	240L MGB	6
Site 9	Paper	240L MGB	50
Site 9	Paper	240L MGB	1.7
Site 9	Paper	240L MGB	7.7
Site 9	Paper	240L MGB	5.4
Site 9	Paper	240L MGB	5.7
Site 9	Paper	240L MGB	10.3
Site 9	Paper	240L MGB	2.8
Site 9	Paper	240L MGB	15.5
Site 9	Paper	240L MGB	22.9
Site 9	Comingled	240L MGB	21.7
Site 9	Comingled	240L MGB	19.1
Site 9	Comingled	240L MGB	20.9
Site 9	Comingled	240L MGB	42.3

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Site 9	Comingled	240L MGB	6.5
Site 9	Comingled	240L MGB	10.4
Site 9	Comingled	240L MGB	4.2
Site 9	Comingled	240L MGB	7.6
Site 10	General Waste	240L MGB	6.38
Site 10	General Waste	240L MGB	2.63
Site 10	General Waste	240L MGB	2.77
Site 10	General Waste	240L MGB	2.6
Site 10	General Waste	240L MGB	2.55
Site 10	General Waste	240L MGB	21.1
Site 10	General Waste	240L MGB	2.98
Site 10	General Waste	240L MGB	12.27
Site 10	General Waste	240L MGB	1.71
Site 10	General Waste	240L MGB	2.79
Site 10	General Waste	240L MGB	7.07
Site 10	Comingled	240L MGB	1.56
Site 10	Comingled	240L MGB	2.42
Site 10	Comingled	240L MGB	1.39
Site 10	Comingled	240L MGB	2.56
Site 10	Comingled	240L MGB	2.32
Site 10	Comingled	240L MGB	38.79
Site 10	Comingled	240L MGB	35.22
Site 10	Comingled	240L MGB	14.45
Site 10	Comingled	240L MGB	10.3
Site 10	Comingled	240L MGB	2.85
Site 10	Comingled	240L MGB	6.2
Site 10	Comingled	240L MGB	2.21
Site 10	Comingled	240L MGB	10.87
Site 10	Comingled	240L MGB	9.45
Site 10	Comingled	240L MGB	10.67
Site 10	Comingled	240L MGB	9.07
Site 10	Comingled	240L MGB	9.46
Site 10	Comingled	240L MGB	12.11
Site 10	Comingled	240L MGB	11.62
Site 10	Organics	120L MGB	62.21

Site 10	Organics	120L MGB	27.02
Site 10	Organics	120L MGB	26.01
Site 10	Secure Paper	240L MGB	67.92
Site 10	Secure Paper	240L MGB	73.95
Site 10	Secure Paper	240L MGB	45.69
Site 10	Secure Paper	240L MGB	22.62
Site 10	Secure Paper	240L MGB	35.33
Site 10	Secure Paper	240L MGB	28.42
Site 10	Cardboard	660L MGB	39.43
Site 11	General Waste	1100L MGB	72.1
Site 11	General Waste	1100L MGB	59.3
Site 11	General Waste	1100L MGB	124.5
Site 11	General Waste	1100L MGB	17.3
Site 11	General Waste	1100L MGB	57.8
Site 11	Comingled	240L MGB	11.91
Site 11	Comingled	240L MGB	26.66
Site 11	Comingled	240L MGB	24.43
Site 11	Comingled	660L MGB	30.9
Site 11	Comingled	660L MGB	21.9
Site 11	Comingled	660L MGB	39.1
Site 11	Comingled	660L MGB	13.3
Site 11	Comingled	120L MGB	301
Site 11	Paper	240L MGB	57.38
Site 11	Paper	240L MGB	21.98
Site 11	Paper	660L MGB	48.1
Site 11	Paper	660L MGB	28.2
Site 11	Paper	1100L MGB	106.1
Site 12	General Waste	240L MGB	16.2
Site 12	General Waste	240L MGB	8.3
Site 12	General Waste	240L MGB	9.1
Site 12	General Waste	240L MGB	12.6
Site 12	Comingled	240L MGB	27.5
Site 12	Comingled	240L MGB	18.9
Site 12	Comingled	240L MGB	13.6
Site 13	General Waste	660L MGB	66.1

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Site 13	General Waste	660L MGB	27.2
Site 13	General Waste	660L MGB	29.1
Site 13	General Waste	660L MGB	24.6
Site 13	General Waste	660L MGB	49.6
Site 13	General Waste	660L MGB	27.11
Site 13	General Waste	240L MGB	27.11
Site 13	Organics	120L MGB	19.99
Site 13	Organics	120L MGB	11.63
Site 13	Organics	120L MGB	13.9
Site 13	Organics	120L MGB	9.83
Site 13	Organics	240L MGB	162.3
Site 13	Organics	240L MGB	64.99
Site 13	Cardboard	660L MGB	19.6
Site 14	General Waste	1100L MGB	17.9
Site 14	General Waste	1100L MGB	249.4
Site 14	General Waste	1100L MGB	123.2
Site 14	General Waste	1100L MGB	30.4
Site 14	General Waste	1100L MGB	119.1
Site 14	General Waste	1100L MGB	29.6
Site 14	Organics	120L MGB	35.72
Site 14	Organics	120L MGB	24.97
Site 14	Organics	120L MGB	11.41
Site 14	Organics	120L MGB	66.89
Site 14	Organics	120L MGB	36.81
Site 14	Organics	120L MGB	28.81
Site 14	Organics	120L MGB	60.56
Site 14	Glass	240L MGB	63.89
Site 14	Glass	240L MGB	64.52
Site 14	Glass	240L MGB	61.71
Site 14	Glass	240L MGB	68.51
Site 14	Glass	240L MGB	43.4
Site 14	Glass	240L MGB	77.19
Site 14	Glass	240L MGB	58.51
Site 14	Glass	240L MGB	52.31
Site 14	Glass	240L MGB	22.59

Site 14	Glass	240L MGB	61.25
Site 14	General Waste	1100L MGB	99.4
Site 14	General Waste	1100L MGB	249.4
Site 14	General Waste	1100L MGB	249.4
Site 14	General Waste	1100L MGB	8.9
Site 14	General Waste	1100L MGB	6.4
Site 14	General Waste	1100L MGB	30.2
Site 14	Organics	120L MGB	57.23
Site 14	Organics	120L MGB	64.32
Site 14	Organics	120L MGB	59.39
Site 14	Glass	240L MGB	66.56
Site 14	Glass	240L MGB	62.65
Site 14	Glass	240L MGB	61.18
Site 14	Glass	240L MGB	67.34
Site 14	Glass	240L MGB	62.89
Site 14	Glass	240L MGB	64.3
Site 15	Paper	240L MGB	2.78
Site 15	Paper	240L MGB	8.4
Site 15	Paper	240L MGB	7.42
Site 15	Paper	240L MGB	6.35
Site 15	Paper	240L MGB	2
Site 15	Paper	240L MGB	7.07
Site 15	Paper	240L MGB	1.4
Site 15	Paper	240L MGB	7.53
Site 15	Paper	240L MGB	3.28
Site 15	Paper	240L MGB	8
Site 15	Paper	240L MGB	11.91
Site 15	Paper	240L MGB	2.31
Site 15	Paper	240L MGB	8.74
Site 15	Paper	240L MGB	10.28
Site 15	Paper	240L MGB	19.64
Site 15	Paper	240L MGB	4.36
Site 15	Paper	240L MGB	8.26
Site 15	Paper	240L MGB	12.79
Site 15	Paper	240L MGB	9.32

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Site 15	Paper	240L MGB	8.75
Site 15	Paper	240L MGB	7
Site 15	Comingled	660L MGB	34.5
Site 15	General Waste	1100L MGB	22.9
Site 15	General Waste	1100L MGB	39.3
Site 15	General Waste	1100L MGB	50.5
Site 15	General Waste	1100L MGB	54.5
Site 15	General Waste	1100L MGB	54.5
Site 15	General Waste	1100L MGB	53
Site 15	General Waste	1100L MGB	19.9
Site 15	Glass	240L MGB	21.5
Site 15	Glass	240L MGB	59.73
Site 15	Glass	240L MGB	47.85
Site 16	Paper	240L MGB	4.82
Site 16	Paper	240L MGB	13.74
Site 16	Paper	240L MGB	11.85
Site 16	Paper	240L MGB	8.56
Site 16	Paper	240L MGB	6.51
Site 16	Paper	240L MGB	8.87
Site 16	Paper	240L MGB	7.97
Site 16	Paper	240L MGB	7.86
Site 16	Paper	240L MGB	7.74
Site 16	Paper	240L MGB	23.22
Site 16	Paper	240L MGB	9.08
Site 16	Paper	240L MGB	5.87
Site 16	Paper	240L MGB	4.86
Site 16	Paper	240L MGB	5.37
Site 16	Paper	240L MGB	4.72
Site 16	Paper	240L MGB	12.68
Site 16	Comingled	240L MGB	8.1
Site 16	Comingled	660L MGB	13.5
Site 16	Comingled	660L MGB	22.5
Site 16	Comingled	660L MGB	17.1
Site 16	Comingled	660L MGB	26.7
Site 16	General Waste	240L MGB	47.41

Site 16	General Waste	240L MGB	5.42
Site 16	General Waste	240L MGB	9.43
Site 16	General Waste	240L MGB	13.65
Site 16	General Waste	1100L MGB	16.9
Site 16	General Waste	1100L MGB	62.5
Site 16	General Waste	1100L MGB	97.4
Site 16	General Waste	1100L MGB	82.8
Site 16	General Waste	1100L MGB	80.5
Site 16	General Waste	1100L MGB	107.6
Site 16	General Waste	1100L MGB	90.7
Site 16	General Waste	1100L MGB	67.2
Site 16	General Waste	1100L MGB	69.1
Site 16	General Waste	1100L MGB	85.8
Site 16	General Waste	1100L MGB	139.5
Site 16	General Waste	1100L MGB	75
Site 16	Glass	120L MGB	20.47
Site 16	Glass	120L MGB	21.06
Site 16	Glass	120L MGB	22.46
Site 16	Glass	120L MGB	17.3
Site 16	Glass	120L MGB	16.98
Site 16	Glass	120L MGB	28.78
Site 16	Glass	120L MGB	10.22
Site 16	Glass	240L MGB	39.01
Site 16	Glass	240L MGB	48.04
Site 17	Glass	120L MGB	10.4
Site 17	Glass	240L MGB	73.2
Site 17	Glass	240L MGB	17.8
Site 17	Glass	240L MGB	20.6
Site 17	Glass	240L MGB	67
Site 17	Glass	240L MGB	38.2
Site 17	Glass	240L MGB	64.1
Site 17	Glass	240L MGB	72.4
Site 17	Glass	240L MGB	31
Site 17	General Waste	1100L MGB	52.9
Site 17	General Waste	1100L MGB	34.4



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Site 17	General Waste	1100L MGB	54.4
Site 17	General Waste	1100L MGB	49.1
Site 17	General Waste	1100L MGB	76
Site 17	General Waste	1100L MGB	78
Site 17	General Waste	1100L MGB	63.7
Site 17	General Waste	1100L MGB	38.1
Site 17	General Waste	1100L MGB	138.5
Site 17	General Waste	1100L MGB	115.3
Site 17	General Waste	1100L MGB	91.4
Site 17	General Waste	240L MGB	19.9
Site 17	General Waste	240L MGB	10
Site 17	General Waste	240L MGB	15.9
Site 17	General Waste	240L MGB	6
Site 17	General Waste	240L MGB	55.3
Site 17	General Waste	240L MGB	15.6
Site 17	General Waste	240L MGB	16
Site 17	General Waste	240L MGB	13.4
Site 17	Comingled	240L MGB	46.2
Site 17	Comingled	240L MGB	31.5
Site 17	Comingled	240L MGB	28.4
Site 17	Comingled	660L MGB	5.2
Site 17	Comingled	660L MGB	10.2
Site 17	Comingled	660L MGB	24.1
Site 18	Organics	120L MGB	45.38
Site 18	Organics	120L MGB	14.2
Site 18	Organics	120L MGB	22.22
Site 18	Organics	120L MGB	50.21
Site 18	Organics	120L MGB	49.05
Site 18	Organics	120L MGB	39.85
Site 18	Organics	120L MGB	57.87
Site 18	Organics	120L MGB	27.62
Site 18	Organics	120L MGB	28.14
Site 18	Organics	120L MGB	6.94
Site 18	Paper	240L MGB	26.68
Site 18	Paper	240L MGB	14.84

Site 18	Paper	240L MGB	11.07
Site 18	Paper	240L MGB	20.41
Site 18	Paper	240L MGB	36.31
Site 18	Paper	240L MGB	39.87
Site 18	Paper	240L MGB	16.45
Site 18	Paper	240L MGB	8.3
Site 18	Paper	240L MGB	9.62
Site 18	Paper	240L MGB	15.64
Site 18	Paper	240L MGB	31.15
Site 18	Paper	240L MGB	41.08
Site 18	Paper	240L MGB	22.17
Site 18	Paper	240L MGB	90.25
Site 18	Paper	240L MGB	13.38
Site 18	Paper	240L MGB	19.69
Site 18	Paper	240L MGB	52.01
Site 18	Paper	240L MGB	8.95
Site 18	Paper	240L MGB	79.31
Site 18	Paper	240L MGB	20.38
Site 18	Paper	240L MGB	19.84
Site 18	Paper	240L MGB	13
Site 18	Paper	240L MGB	38.47
Site 18	Paper	240L MGB	21.01
Site 18	Paper	240L MGB	4.8
Site 18	Paper	240L MGB	52.04
Site 18	Paper	240L MGB	8.43
Site 18	Comingled	660L MGB	38.9
Site 18	Comingled	660L MGB	24.4
Site 18	Comingled	660L MGB	21.7
Site 18	Comingled	660L MGB	46.9
Site 18	Comingled	660L MGB	4.38
Site 18	Comingled	660L MGB	11.58
Site 18	Comingled	660L MGB	3.31
Site 18	Comingled	660L MGB	11.14
Site 18	Comingled	660L MGB	2.78
Site 18	Comingled	660L MGB	2.79

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Site 18	Comingled	660L MGB	5
Site 18	Comingled	660L MGB	20.49
Site 19	Paper	240L MGB	13.04
Site 19	Paper	240L MGB	10.22
Site 19	Paper	240L MGB	3.53
Site 19	Paper	240L MGB	12.2
Site 19	Paper	240L MGB	7.55
Site 19	Paper	240L MGB	11.5
Site 19	Paper	240L MGB	9.14
Site 19	Paper	240L MGB	4.21
Site 19	Paper	240L MGB	8.07
Site 19	Paper	240L MGB	6.11
Site 19	Paper	240L MGB	29.88
Site 19	Paper	240L MGB	11.64
Site 19	Paper	240L MGB	13.06
Site 19	Paper	240L MGB	12.68
Site 19	Paper	240L MGB	13.64
Site 19	Paper	240L MGB	36.22
Site 19	Paper	240L MGB	12.92
Site 19	Paper	240L MGB	1.84
Site 19	Paper	240L MGB	41.97
Site 19	Paper	240L MGB	14.81
Site 19	Paper	240L MGB	11.4
Site 19	Paper	240L MGB	8.1
Site 19	Paper	240L MGB	14.58
Site 19	Paper	240L MGB	10.46
Site 19	Paper	240L MGB	12.9
Site 19	Paper	240L MGB	13.14
Site 19	Paper	240L MGB	5.04
Site 19	Paper	240L MGB	7.89
Site 19	Paper	120L MGB	6.65
Site 19	Cardboard	660L MGB	27.2
Site 19	Cardboard	660L MGB	23.8
Site 19	General Waste	1100L MGB	41
Site 19	General Waste	1100L MGB	54.4

Site 19	General Waste	1100L MGB	64.7
Site 19	General Waste	1100L MGB	65.7
Site 19	General Waste	1100L MGB	72.4
Site 19	General Waste	1100L MGB	72.2
Site 19	General Waste	240L MGB	7.91
Site 19	General Waste	240L MGB	33.44
Site 19	General Waste	240L MGB	49.51
Site 19	General Waste	240L MGB	40.28
Site 19	General Waste	240L MGB	11.98
Site 20	Paper	240L MGB	8.42
Site 20	Paper	240L MGB	55.23
Site 20	Paper	240L MGB	10.66
Site 20	Paper	240L MGB	14.87
Site 20	Paper	240L MGB	17.84
Site 20	Paper	240L MGB	47.88
Site 20	Paper	240L MGB	41.78
Site 20	Paper	240L MGB	18.72
Site 20	Paper	240L MGB	15.87
Site 20	Paper	240L MGB	16.36
Site 20	Paper	240L MGB	12.95
Site 20	Paper	240L MGB	11.73
Site 20	Paper	240L MGB	11
Site 20	Paper	240L MGB	12.4
Site 20	Paper	240L MGB	62.06
Site 20	General Waste	1100L MGB	141.8
Site 20	General Waste	1100L MGB	72.9
Site 20	General Waste	1100L MGB	113.1
Site 20	General Waste	1100L MGB	74.4
Site 20	General Waste	1100L MGB	62.8
Site 20	General Waste	1100L MGB	77.7
Site 20	General Waste	1100L MGB	62.5
Site 20	General Waste	1100L MGB	83.1
Site 20	General Waste	1100L MGB	52.2
Site 20	Comingled	660L MGB	27.9
Site 20	Comingled	660L MGB	14.1

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Site 20	Comingled	660L MGB	20.1
Site 21	General Waste	1100L MGB	60.4
Site 21	General Waste	1100L MGB	79.1
Site 21	General Waste	1100L MGB	162.4
Site 21	General Waste	1100L MGB	74.1
Site 21	General Waste	1100L MGB	48.5
Site 21	General Waste	1100L MGB	66.4
Site 21	General Waste	1100L MGB	72.2
Site 21	General Waste	1100L MGB	116.9
Site 21	General Waste	1100L MGB	35.8
Site 21	General Waste	1100L MGB	82.5
Site 21	General Waste	1100L MGB	139.3
Site 21	General Waste	1100L MGB	72.9
Site 21	General Waste	1100L MGB	9.32
Site 21	General Waste	1100L MGB	12.52
Site 21	General Waste	1100L MGB	13.91
Site 21	General Waste	1100L MGB	17.6
Site 21	Cardboard	660L MGB	46.1
Site 21	Cardboard	660L MGB	33.9
Site 21	Cardboard	660L MGB	35.1
Site 21	Cardboard	660L MGB	13.64
Site 21	Cardboard	660L MGB	13.31
Site 21	Cardboard	660L MGB	28.55
Site 21	Cardboard	660L MGB	35.85
Site 21	Cardboard	660L MGB	22.3
Site 21	Cardboard	660L MGB	14.13
Site 21	Cardboard	660L MGB	26.63
Site 21	Cardboard	660L MGB	20.15
Site 21	Cardboard	660L MGB	27.89
Site 21	Cardboard	660L MGB	26.81
Site 21	Cardboard	660L MGB	41.01
Site 21	Cardboard	660L MGB	26.6
Site 21	Cardboard	660L MGB	63.98
Site 21	Comingled	660L MGB	24.9
Site 21	Comingled	660L MGB	26.2

Site 21	Comingled	660L MGB	24.6
Site 21	Comingled	660L MGB	81.19
Site 21	Comingled	660L MGB	20.37
Site 21	Comingled	660L MGB	15.05
Site 21	Comingled	660L MGB	23.3
Site 22	Paper	240L MGB	4.49
Site 22	Paper	240L MGB	18.65
Site 22	Paper	240L MGB	23.84
Site 22	Paper	240L MGB	49.07
Site 22	Paper	240L MGB	15.8
Site 22	Paper	240L MGB	17.06
Site 22	Paper	240L MGB	22.35
Site 22	Paper	240L MGB	37.78
Site 22	Paper	240L MGB	10.83
Site 22	Paper	240L MGB	30.3
Site 22	Paper	240L MGB	5.58
Site 22	Paper	240L MGB	14.48
Site 22	Paper	240L MGB	4.25
Site 22	Paper	240L MGB	5.91
Site 22	Paper	240L MGB	6.59
Site 22	Paper	240L MGB	7.12
Site 22	Paper	240L MGB	33.67
Site 22	Paper	240L MGB	10.86
Site 22	Paper	240L MGB	13.01
Site 23	General Waste	240L MGB	10.91
Site 23	General Waste	240L MGB	5.91
Site 23	General Waste	240L MGB	5.17
Site 23	General Waste	240L MGB	22.93
Site 23	General Waste	240L MGB	11.29
Site 23	General Waste	240L MGB	13.9
Site 23	General Waste	240L MGB	13.95
Site 23	General Waste	240L MGB	5.78
Site 23	General Waste	240L MGB	7.1
Site 23	General Waste	240L MGB	6.48
Site 23	General Waste	240L MGB	12.2

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Site 23	General Waste	240L MGB	3.41
Site 24	General Waste	1100L MGB	49.5
Site 24	General Waste	1100L MGB	131.6
Site 24	General Waste	1100L MGB	58
Site 24	General Waste	1100L MGB	77.2
Site 25	Secure paper	240L MGB	18.6
Site 25	Secure paper	240L MGB	23.9
Site 25	Secure paper	240L MGB	20.1
Site 25	Secure paper	240L MGB	22.5
Site 25	Secure paper	240L MGB	7.9
Site 25	Secure paper	240L MGB	19.9
Site 25	Secure paper	240L MGB	13.7
Site 25	Secure paper	240L MGB	31.3
Site 25	Secure paper	240L MGB	5.8
Site 25	Secure paper	240L MGB	25.6
Site 25	Secure paper	240L MGB	37
Site 25	Secure paper	240L MGB	49.7
Site 25	Secure paper	240L MGB	40.9
Site 25	Secure paper	240L MGB	42.3
Site 25	Secure paper	240L MGB	43.3
Site 25	Secure paper	240L MGB	18.2
Site 25	Secure paper	240L MGB	19.1
Site 25	Secure paper	240L MGB	33.6
Site 25	Secure paper	240L MGB	21.4
Site 25	Secure paper	240L MGB	35.5
Site 25	Secure paper	240L MGB	31.4
Site 25	Secure paper	240L MGB	43.2
Site 25	Secure paper	240L MGB	36.2
Site 25	Secure paper	240L MGB	38.3

## Appendix 2: Pro forma site specific report

# Acme Industry

NSW EPA - C&I Generator  
Site Audit





Any representation, statement, opinion or advice, expressed or implied in this publication is made in good faith, but on the basis that NSW EPA and APC, Waste Audit are not liable (whether by reason of negligence, lack of care or otherwise) to any person for any damage or loss whatsoever, which has occurred or may occur in relation to that person taking or not taking (as the case may be) action in respect to any representation, statement or advice referred to here.

The data collected from each site will be kept confidential and only aggregated data for the SMA, ERA will be published.

## 1. Background

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As part of the Waste and Recycling Infrastructure Fund, the NSW EPA is undertaking an audit of the Commercial & Industrial (C&I) stream to determine the composition by selected material categories and subcategories with a particular focus on materials potentially recoverable, industry sectors that are generating the most C&I Waste regions and sub-regions within the Sydney Metropolitan Area (SMA), Extended Regulated Area (ERA) and the Regional Regulated Area (RRA).

A key focus of the C&I audit methodology is the collection of data about targeted industry divisions and sub-divisions as defined by Australian and New Zealand Standard Industrial Classification (ANZSIC) code.

In order to achieve the above NSW EPA has contracted Waste Audit and Consultancy Services to conduct waste assessments on generator sites to provide information specific to waste systems, management practices, and areas for improved diversion and waste minimisation.

## 2. Site Description and Demographics

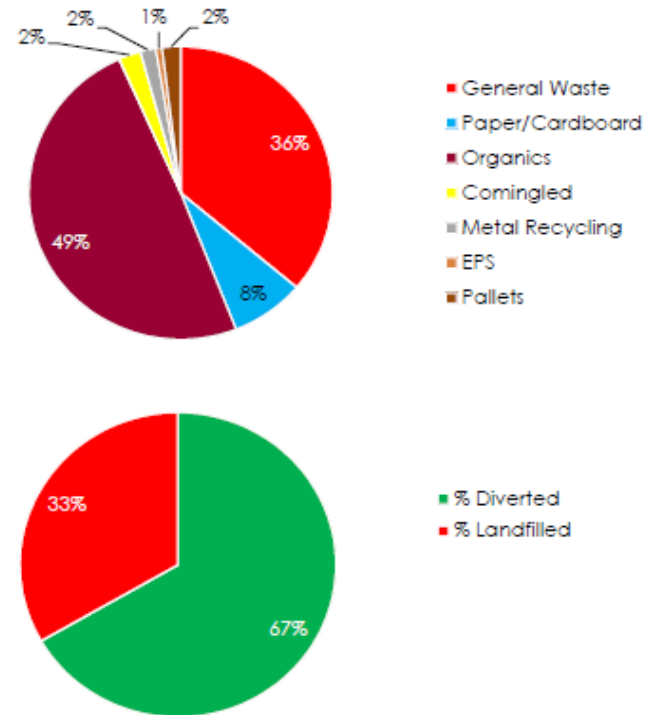
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<b>Site Name</b>	ACME Industry	<b>Site Contact Name</b>	John Smith
<b>Site Address</b>	210 Balmain Rd Lilyfield NSW 2040	<b>Site Contact Role</b>	Sustainability Manager - 02 9285 9000
<b>Operating Hours</b>	Sunday Evening 11pm with Night Shift and then shutdown occurs on Saturday afternoon. 3 shifts operate during the week as follows: day shift: 6am or 7am – 2pm or 3pm; Afternoon shift 3pm -11pm; Night Shift 11pm – 7am.	<b>ANZSIC Division</b>	C - Manufacturing
<b>EFT</b>	110	<b>ANZSIC Subdivision</b>	C11 - Food Product Manufacturing
<b>Business Size</b>	Medium - 20 - 199 EFT	<b>Area</b>	Sydney Metropolitan Area (SMA)
		<b>Benchmarking Data</b>	1250 sqm
		<b>Date of review</b>	7th July 2014

### 3. Waste Profile and Systems

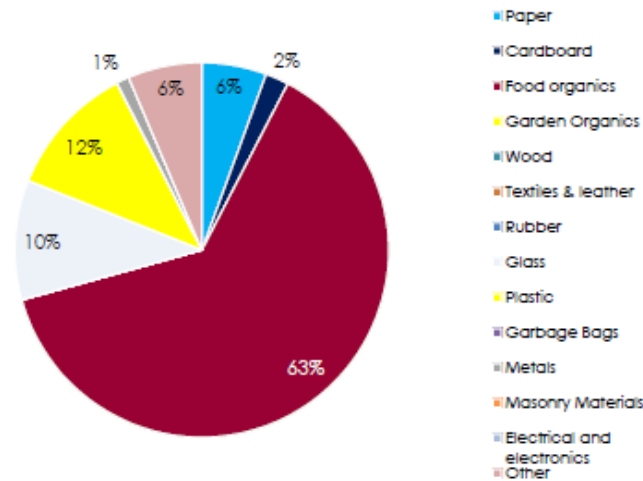
Streams	Systems in place	Tonnes per Annum	Disposal
General Waste	23M Compactor	550	Landfilled
Paper/Cardboard	20M Compactor	120	Recycled
Organics	26M Skip	750	Recycled
Comingled	10 x 1100L MGB	36	Recycled
Metal Recycling	15M Skip	25	Recycled
EPS	Autobaler	10	Recycled
Pallets	Stockpiled	30	Recycled

<b>Total</b>		<b>1456</b>
	% Diverted	<b>67%</b>
	% Landfilled	33%



## 4. General Waste Composition

	Tonnes	%
Paper	0.03	5.6%
Cardboard	0.009	2.0%
Food organics	0.28	63.1%
Garden Organics	0.00	0.0%
Wood	0.00	0.0%
Textiles & leather	0.00	0.0%
Rubber	0.00	0.0%
Glass	0.05	10.3%
Plastic	0.05	11.5%
Garbage Bags	0.00	0.0%
Metals	0.00	1.1%
Masonry Materials	0.00	0.0%
Electrical and electronics	0.00	0.0%
Other	0.03	6.4%
<b>Total</b>	<b>0.45</b>	<b>100.0%</b>



## 5. Reasons for the generation of the waste

The major causes of waste are summarised as:

Metal drums from raw materials

Pulp and molasses resulting from juice production

Plastic PET bottles resulting from:

- Not meeting required standards pre-filling

- QA rejection post-filling

Plastic strapping from packaging

Foil from containers with raw materials

Cardboard from:

- Raw material supply

- ACME branded cartons resulting from reject of stock

- Scholle bins - excess stock (some damaged and some excess ordering)

## 6. Waste Management Information

The primary cause for organic waste is from fruit pulp resulting from manufacture of juice and molasses.  
 The site has developed an excellent flowchart for waste generation causality from the various raw material and processes on the site.  
 Waste and recyclables generation is recorded on a monthly basis along with associated costs.  
 Staff waste management training occurs through toolbox sessions.  
 A number of waste avoidance and landfill diversion opportunities have been implemented, but no detail as to the status of investigations for implementing them was available.

## 7. Assessment

 large/ significant waste issue and potential opportunities for improvement			 moderate issue / while some action is in place further opportunities exist			 management is appropriate for the materials / not an issue for this organisation		
Waste Issue	Rating	Comments	Waste Issue	Rating	Comments			
Food waste		Avoidance is not an option as pulp generated from obtaining juice	Rework/Scrap		There is no rework or scrap.			
Packaging		Significant quantities are disposed of via the general waste stream	Recyclable Materials		Recycling streams need expanding to include more plastic materials.			
Resource Utilisation		production, resource efficiency appears good.	Other Waste		Management of Scholle bins needs urgent review.			

## 8. Opportunities & Recommendations

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Waste Issue	Recommendations
Packaging	Further work needs to be undertaken with suppliers and production staff to quantify each and all reasons for rejection of empty PET bottles prior to filling. Based on this information, appropriate actions be implemented to reduce the wastage. As part of the process, benchmarking of the quantity currently disposed of per "cause" be established and targets for improvement established.
Recyclable Materials	The current waste/recycling contractors be required to provide additional systems for materials (specifically plastic) so that they can be diverted from landfill. Records be maintained for all materials disposed of (waste and recyclables), regardless of whether costs, rebates or free are related to each of the materials.
Other Waste	Scholle Bins - identify potential markets for these bins so that they can be reused (eg., as vegetable gardens for purchase or for donation to charities and schools).

### Appendix 3: Project photographs

Photographs were taken of any specific issues noted during the waste assessment (positive and negative). To maintain confidentiality, the name of individual businesses has not been noted. These photographs illustrate common occurrences of materials that could be diverted to landfill and/or impact on effective diversion of materials to landfill.



**Photograph 1: Backing paper – significant portion of the general waste for transport/warehousing**



**Photograph 2: Composite material – bladder used in shipping container not being reused – going to landfill**



**Photograph 3: Packaging— mix of material – would require additional labour to segregate**



**Photograph 4: Packaging—mix of material – medical/pharmaceutical packaging – three different type of materials – cardboard & two EPS types which cannot be separated.**





**Photograph 5: Packaging – medical / pharmaceuticals which are required to be temperature controlled – polyethylene casing which are not returned to sender**



**Photograph 6: Packaging – medical / pharmaceuticals insulation shipping material – cardboard/plastic and liquid all going to landfill**



**Photograph 7: Packaging – mix timber/metals/foam – timber not recycled as metal/foam considered as contamination. Is not separated at site level due to labour required**



**Photograph 8: Non-recyclable packaging – composite paper & plastic**



**Photograph 9: Non-Recyclable packaging – bulka bags**



**Photograph 10: Overfull bin (with a high percentage of recyclables)**



**Photograph 11: Overfull bin (with a high percentage of recyclables)**



**Photograph 12: Overfull bin (with a high percentage of recyclables) - Education**



**Photograph 13: Food in general waste**



**Photograph 14: Recyclables and garden waste in general waste stream**



**Photograph 15: Cardboard and paper in general waste stream**



**Photograph 16: Plastic in general waste stream**



**Photograph 17: Plastic strapping in general waste**





**Photograph 18: Contamination of recycling stream**



**Photograph 19: Stockpiles of plastic milk/bread containers**



Photograph 20: Non-recyclable pallets (Transport/warehousing)



Photograph 21: Healthcare waste and recycling signage



Photograph 22: Local government



Photograph 23: System suited to materials generated



**Photograph 24: Plastic bowls in healthcare that were previously disposed of as clinical waste**



**Photograph 25: Organics waste collection in ERA**



**Photograph 26: Organic collection**



**Photograph 27: Paper product bags with a plastic liner which generally are not recycled in ERA**



**Photograph 28: Mattresses in ERA**

## Appendix 4 – Waste assessment material categories

**Table 245: Waste assessment material categories**

	Material type	Equivalent 2008 survey material type	Material description
1	Food organics – unpackaged	Food	Pre- and post-consumer fruit, vegetable, meat, fat, bone.
2	Food organics – packaged	Food	Packaging post-consumer food items.
3	Garden organics	Vegetation	Plant material, leaves, grass, small branches.
4	Wood – untreated	Wood	Pieces of solid timber without any visible signs of treatment. May include timber off-cuts, posts. Timber pallets.
5	Wood – treated/painted	Wood	Pieces of solid timber with visible signs of chemical treatment. CCA treated timber has a green tinge, e.g. “coppers logs”. Wardrobes, painted fence posts, varnished furniture, wooden chairs, doors, etc. Any engineered timber products, old kitchen benches, chipboard, etc.
6	Cardboard – dry	Cardboard	Dry cardboard boxes, printed and branded cardboard. Cardboard off cuts, cardboard rolls, clean dry cardboard. Waxed cardboard, such as fruit boxes, etc.
7	Cardboard – wet	Cardboard	Wet cardboard, soiled cardboard.
8	Paper – office	Paper	Photocopy paper, books, printing and writing papers, magazines, catalogues, brochures and leaflets.
9	Paper – packaging	Paper	Coated and uncoated paper packaging.
10	Paper – other	Paper	Newspapers, kraft paper, rolls of low-grade paper, hand towels, contaminated paper.
11	Plastic – rigid packaging	Plastic	Plastic bottles and jars – margarine, food/beverage containers (PICs 1–6).
12	Plastic – film packaging	Plastic	Film wrap, plastic bags (not filled).
13	Plastic – EPS foam	Plastic	Packaging foam.
14	Plastic – other	Plastic	All other plastics not elsewhere classified. Details to be noted.
15	Glass – packaging	Glass	Glass bottles and jars.
16	Glass – non-packaging	Glass	Window glass, windscreens, broken bottles, non-recyclable glass such as wine glasses.
17	Metal (ferrous) – packaging	Metal	Packaging items that are mainly steel/iron.
18	Metal (ferrous)– non-packaging	Metal	Non-packaging items that are mainly steel/iron.

19	Metal (non-ferrous) – packaging	Metal	Aluminium cans, trays and foil.
20	Metal (non-ferrous)– non-packaging	Metal	Aluminium siding, copper wire, any items that are mainly non-packaging related metal but are not steel/iron.
21	Textiles & leather	Textile	Rolls of carpet, carpet off-cuts, carpet tiles, felt or foam underlay, synthetic underlay (but not rubber or plastic underlay). Clothes, rags, rolls of fabric, fabric off-cuts. Material/leather-covered chairs and couches. Leather off-cuts.
22	Rubber	Rubber	All tyres (full and shredded) and inner-tubes Rubber mats, rubber tubes, rubber washers, foam rubber.
23	Electrical and electronic – TVs	Whitegoods and electrical (details required)	Televisions.
24	Electrical and electronic – computers and peripherals	Whitegoods and electrical (details required)	Computers, monitors, photocopiers, fax machines, printers, etc. Toner cartridges from photocopiers, printers, etc.
25	Electrical and electronic – whitegoods	Whitegoods and electrical (details required)	Washing machines, fridges, etc.
26	Electrical and electronic – other	Whitegoods and electrical (details required)	Includes small appliances. Details to be noted.
27	Masonry materials – concrete/bricks	Construction and demolition material	Any concrete, bags of cement dust, etc. Full-bricks, broken bricks Roof tiles, clay tiles – whole or broken. Stones, uncontaminated soil, Inert material not elsewhere classified. Asphalt, bitumen.
28	Masonry materials – other	Construction and demolition material	Includes plasterboard, gypsum. Details to be noted.
29	Other (including hazardous and fines <10 mm)	Other, Residues, Hazardous/special	This includes contaminated soil recorded as C&I and residues from a range of processing facilities. Includes materials such as mattresses, batteries and gas bottles which should be recorded separately under the category 'Other'. Includes chemicals, lamps, ceramics, clinical waste including sharps and cytotoxic wastes, contaminated material (note type) and batteries including larger lead/acid batteries (note type). Details to be noted.
30	Garbage bags	Garbage bags	Enclosed bags of garbage.



## Appendix 5 – Forms used

### Site questionnaire

**SITE NAME:**

**SITE ADDRESS:**

**CONTACT NAME:**

**CONTACT ROLE:**

**CONTACT PHONE NUMBER:**

**CONTACT MOBILE NUMBER:**

**CONTACT EMAIL ADDRESS:**

**ABN NUMBER:**

**ANZSIC DIVISION/SUBDIVISION** (industry sector) – if known :

**EFT** (Equivalent Full Time employees) or **NO. OF FULL AND PART TIME STAFF:**

**OPERATING DAYS/TIME:**

**FOR EACH STREAM PLEASE COMPLETE THE FOLLOWING AS APPLICABLE:**

	<b>STREAM</b>	<b>BIN TYPE</b>	<b>DAY OF COLLECTION</b>	<b>TIME OF COLLECTION</b>
e.g.:	<i>General Waste</i>	<i>Compactor</i>	<i>Tuesday</i>	<i>6am</i>
e.g.:	<i>Comingled</i>	<i>Wheelie Bin</i>	<i>Monday, Thursday</i>	<i>10pm</i>

(select)

- General Waste
- Cardboard
- Paper
- Comingled (recyclable containers)
- Food Organic
- Confidential documents
- Metals
- Soft Plastic

Other (specify).....

Other (specify).....

Other (specify).....

Other (specify).....

Other (specify).....

To assist in meeting the EPA objectives which is to profile waste composition by industry sector we would appreciate if the following could be available on the day of the site assessment:

- o- Data on waste and recycling volumes collected for the previous 12 month period
- o- Details of any initiatives undertaken to reduce waste to landfill
- o- Total number of hours of operation of the business per year

## Audit Sheet

<b>Bin Number</b>					
Bin Location					
bin size (m3)					
% full					
Compaction level					
Paper – all other					
Office Paper					
Compacted Dry Cardboard					
Compacted Dry Cardboard - production spoils					
Compacted Wet Cardboard					
Loose Dry Cardboard					
Loose Dry Cardboard - production spoils					
Loose Wet Cardboard					
Food Loose Other					
Food - Packaged					
Food - Loose Production					
Vegetation – branches / grass clips					
Vegetation – tree stumps /logs					
Wood - Pallets					
Wood - Furniture					
Wood – Fencing / board /pole (treated)					
Wood – Fencing / board / pole (untreated)					
Wood – MDF/Chipboard					
Wood - Other					
Sawdust					
Textile - Furniture					
Textile – Carpet / Underlay					
Textile – Mattress					
Textile – Cloth					
Textile - Leather					
Textile - Other					
Rubber - Other					
Rubber - Tyres / Tubes					
Rubber - Shredded Tyres					
Glass – Containers /Plate					
Glass - Other					
Glass - Laminated					
Plastic - Bags & Film					
Plastic - Recyclable containers					
Plastic – Hard					

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Plastic - Other					
Polystyrene / foam					
Garbage Bags					
Metal - Ferrous					
Metal - Non ferrous					
Aluminium Cans					
Steel Cans					
Soil / Cleanfill					
Rock					
Rubble > 150mm					
Clay					
Concrete / Cement					
Bricks					
Tiles					
Asphalt					
Plasterboard					
Sand					
Dirt					
Hazardous/Special - Chemical/Clinical					
Hazardous/Special - Light globes					
Whitegoods - Washing Machine/ Fridges					
Electronics / Electrical Television etc.					
Toner Cartridges					
Sludge					
Flock					
Waxed Cardboard					
Insulation					
Nappies					
Other					
<b>TOTAL</b>					

## Appendix 6 – Waste density data

	Material type	Low compaction / uncompactd	Medium compaction	High
1	Food organics – unpackaged	0.343	0.514	1.029
2	Food organics – packaged	0.343	0.514	1.029
3	Garden organics	91	0.227	0.445
4	Wood – untreated	0.12	0.16	0.36
5	Wood – treated/painted	0.18	0.22	0.26
6	Cardboard – dry	0.13	0.13	0.13
7	Cardboard – wet	0.26	0.26	0.26
8	Paper – office	076	0.152	0.228
9	Paper – packaging	076	0.152	0.228
10	Paper – other	076	0.152	0.228
11	Plastic – rigid packaging	072	072	072
12	Plastic – film packaging	039	078	0.156
13	Plastic – EPS foam	014	21	28
14	Plastic – other	0.17	0.17	0.36
15	Glass – packaging	0.28	0.28	0.28
16	Glass – non-packaging	0.411	0.411	0.411
17	Metal (ferrous) – packaging	0.12	0.12	0.12
18	Metal (ferrous)– non-packaging	0.12	0.12	0.12
19	Metal (non-ferrous) – packaging	0.139	0.139	0.139
20	Metal (non-ferrous)– non-packaging	0.139	0.139	0.139
21	Textiles & leather	91	91	0.24
22	Rubber	0.26	0.26	0.26
23	Complex products – TVs	0.265	0.265	0.265
24	Complex products – computers and peripherals	0.265	0.265	0.265
25	Complex products – whitegoods	0.105	0.113	0.12
26	Complex products – other	0.105	0.113	0.12
27	Masonry materials – concrete/bricks	0.83	0.83	0.83
28	Masonry materials – other	0.47	0.55	0.64
29	Other (including hazardous and fines <10 mm)	0.17	0.17	0.35
30	Garbage bags	87	0.17	0.348

## Appendix 7 – Safe Work Method Statement



### WORK METHOD STATEMENT- WASTE ASSESSMENTS

Toxfree Solutions – 1300 TOXFREE (1300 869373)

**Part A** – Job preliminaries describe the task and what is required to complete it.

**Part B** – Steps and hazards. Detailed description of task steps, hazards, controls & responsibilities.

**Part C** – User consultation showing the WMS is understood and personnel have been consulted

**Part D** – Supporting risk matrix and instructions for completing a WMS.

#### PART A – JOB PRELIMINARIES

<b>Activity/Task:</b>		
Waste Assessment/Site Review		
<b>The following PPE is required:</b>		
<b>Personnel</b>	<b>Authorised &amp; Signed by:</b>	<b>Review date:</b>
Trained Auditor	Peter Goodwin Chief Operations Officer	30-June-2014
<b>Equipment required:</b>	<b>Maintenance/inspections required:</b>	<b>Permits &amp; licenses required:</b>
<ul style="list-style-type: none"> <li>- PPE</li> <li>- Datasheets</li> <li>- Camera</li> <li>- Anti bacterial hand wash</li> <li>- Scales</li> </ul>	<ul style="list-style-type: none"> <li>- Prior to commencing individual waste assessment, auditors must attend site specific induction if required</li> <li>- Datasheets are prepared</li> <li>- Camera has batteries and sufficient data storage space</li> <li>- Auditors must ensure that they have all correct PPE and that all components are in correct repair/working condition</li> <li>- Calibrate scales as per manufacturers requirements</li> </ul>	No specific permits required

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**PART B – TASK DESCRIPTION**

Step	Hazards	Risk	Control Measures & How They Are Implemented, & Monitored	Responsible Person
General Awareness of risks and safety	Non-familiarity with sites and waste assessment process	Low 2	<ul style="list-style-type: none"> <li>During the period of the waste assessment, a daily safety briefing will be conducted by the Project Manager to remind auditors of all risks and safety protocols.</li> </ul>	Project Manager and Auditor
Transit to and from audit site	Collision with another vehicle	Low 2	<ul style="list-style-type: none"> <li>Auditors will be trained as to hazards and will be required to adhere to road rules.</li> <li>Auditors to be made aware of audit location and traffic/pedestrian interfaces in audit induction training</li> </ul>	Project Manager and Auditor
Site familiarisation	Sprain/broken bone due to fall	Low 3	<ul style="list-style-type: none"> <li>Auditors complete individual site inductions</li> <li>Auditors will be advised to discuss safe walkways with the Site Operators.</li> <li>Each Auditor will conduct a review of all sites to ensure they are fully familiar with the layout.</li> <li>Auditors will all wear sturdy boots and advised to exercise due care when moving on site.</li> </ul>	Auditor
Waste assessment preparation	Dehydration	Low 2	<ul style="list-style-type: none"> <li>All Auditors will have a water flask that must be full and taken to the site each day.</li> <li>Auditors will be made aware of this risk and the signs associated with early warning.</li> </ul>	Auditor
Access material for inspection	Contact with vehicles	Low 2	<ul style="list-style-type: none"> <li>Complete site specific induction</li> <li>Wear high visibility clothing/footwear and any other site specific PPE requirements</li> <li>Constantly aware of environment (eg; location of vehicles, machinery operation)</li> <li>Remain within sight of vehicle operator (s)</li> </ul>	Project Manager and Auditor
Record data	Contact with vehicles	Low 2	<ul style="list-style-type: none"> <li>Move clear of vehicle areas while recording data.</li> </ul>	Project Manager and Auditor
PPE to be worn	Skin burn due to contact with chemicals	Low 2	<ul style="list-style-type: none"> <li>Auditors are not to reach into any waste container</li> <li>Auditors are advised not to open containers containing liquids, or to handle any chemicals or powders.</li> <li>Long sleeved shirts and pants and/or coveralls and chemical resistant gloves to be worn to reduce potential for skin contact by liquids.</li> <li>Water and first aid kit will be available on each site.</li> </ul>	Auditor

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Generator site-based audit – Main Report



PPE to be worn	Breathing difficulties due to dust	Low 2	<ul style="list-style-type: none"> <li>Auditors will be provided with facemasks to be utilised during the project.</li> </ul>	Project Manager and Auditor
PPE to be worn	Eye injury due to dust/chemical/puncture.	Low 2	<ul style="list-style-type: none"> <li>Auditors will wear safety glasses on site at all times.</li> </ul>	Project Manager and Auditor
PPE to be worn	Damage to hearing due to loud noise	Low 2	<ul style="list-style-type: none"> <li>Where auditors are working in noisy areas, hearing protection will be worn. In these instances particular care must be taken to ensure that warning noises, ie reversing vehicles can still be heard.</li> </ul>	Project Manager and Auditor
Safe Handling	Back injury due to lifting	Low 2	<ul style="list-style-type: none"> <li>Duties will be rotated during the day/week to ensure that no one person is constantly bending or lifting waste/bins/scales</li> </ul>	Project Manager and Auditor

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**Key Acts, Regulations, Codes or References:**

Model Work Health & Safety Act and Model Work Health & Safety Regulations as adopted in the ACT, NSW, NT, Qld & Tas

SA OHS&W Act 1986 and SA OHS&W Regulations 2010

Vic OHS Act 2004 and OHS Regulations 2007

WA OHS Act 1984 and OHS Regulations 1996

C'with Model Codes of Practice: How to Manage Work Health and Safety Risks, Hazardous Manual Tasks, Managing the Risk of Falls at Workplaces, Confined Spaces, Managing Noise and Preventing Hearing Loss at Work, Managing the Work Environment and Facilities, Work Health and Safety Consultation Cooperation and Coordination, First Aid in the Workplace, Managing Risks of Plant in the Workplace, and Managing Risks of Hazardous Chemicals in the Workplace

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**PART C – CONSULTATION & REVIEW**

The WMS describes the controls for a class of hazards (MWH&S Regulation 12) from this task, specific risks are assessed by the Operators through a Five X Five. Through the Five X Five the Operators confirm:

- They have read and reviewed this WMS and understand the task and risk controls.
- They have conducted a Step Back Five BY Five assessment to check for additional risks which may arise during the task onsite.
- They will follow this WMS and its controls.
- They will monitor and check the job whilst we work to ensure no other risks arise.

NAME	SIGNATURE	DATE	NAME	SIGNATURE	DATE
Sandy Casaroli					
Oliver Batchelour					
Matthew Bielby					
Trevor Thornton					
Skye Blackley					
Scott Ebsary					
Robyn Pearson					

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## PART D – INSTRUCTIONS

**Preparing the WMS** - This WMS is provided to provide safe methods of work in accordance with Toxfree' legal requirements. The WMS are provided as a safe means of work for generic classes of hazards in accordance with the MWH&S Regulation 12. During development Operators and Staff are actively consulted. Further input and change is encouraged through the Issue Resolution and Investigation procedure.

**Completing the WMS** - Before starting work on this task ALL personnel MUST read the WMS.  
 Step Back Five BY Five assessment of the site risks MUST also be conducted and risk controls recorded. Attach Step Back Five BY Five to job paperwork.  
 WMS used must be recorded on the Client Worksheet or Bin Run Sheet whichever is applicable.  
 EACH Operator, visitor or person onsite is to read the WMS and Five BY Five and sign their name in on the Five X Five acknowledging their understanding, consultation and acceptance of the risks, necessary controls and their responsibilities. If necessary attach extra sheets  
 During the job risks are to be monitored and further Five BY Five's conducted as necessary to ensure all risks are controlled.

**Conducting the risk assessment - For each hazard identified assess:**

- **CONSEQUENCE** – How bad things could be if there is an accident/incident by reading from the left hand side of the matrix to determine if the consequence is HIGH, MODERATE or LOW, then
- **LIKELIHOOD** – Determine how likely is this accident/incident to occur by reading across the bottom. Is it ALMOST CERTAIN, POSSIBLE or RARE, then
- Join the two, where the consequence row and the likelihood column meet is the possible risk level. Use matrix below

Once risks are identified work out best way controlling risk to ensure no harm. If necessary stop the task until you are assured that the risk is acceptable.

**Review & Retention** - All WMS are progressively reviewed by the QUEST Manager.  
 Site specific WMS are to be reviewed regularly as required to control the risk, this is to be stated in Part 1.  
 WMS are to be retained for the duration of the project. If an incident occurs the WMS is to be retained in accordance with the Issue Resolution and Investigation Procedure.

RISK ASSESSMENT MATRIX				
CONSEQUENCE	<b>HIGH</b> Very bad could cause serious harm	<b>5 MEDIUM</b> Fix issues ensure safe to proceed.	<b>15 HIGH STOP</b>	<b>25 EXTREME STOP</b> Seek guidance
	<b>MODERATE</b> Could cause harm	<b>2 LOW</b> Fix hazards, continue task.	<b>8 MEDIUM</b> Fix issues ensure safe to proceed.	<b>16 HIGH STOP</b>
	<b>INSIGNIFICANT</b> Not likely to cause harm	<b>1 NEGLIGIBLE</b> Watch hazards	<b>3 LOW</b> Fix hazards, continue task.	<b>9 MEDIUM</b> Fix issues ensure safe to proceed.
HB436:2004 Risk Management Guidelines & ISO 31010 Risk Management Techniques		<b>RARE</b> Not likely to happen	<b>POSSIBLE</b> Could Happen	<b>ALMOST CERTAIN</b> Probably will happen
<b>LIKELIHOOD</b>				

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**Document Control Information**

The following document control information is for internal use in controlled documents.

Document Title:	Work Method Statement – Waste Assessments
Document Number:	

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