

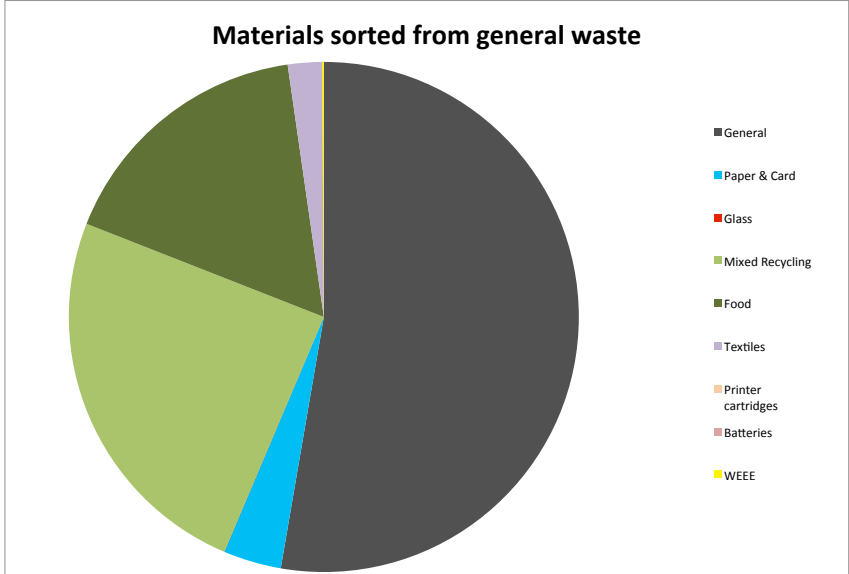
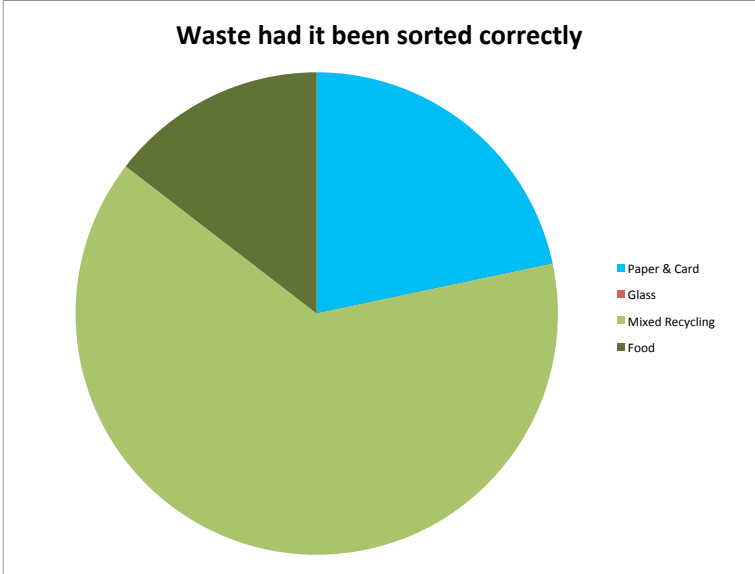
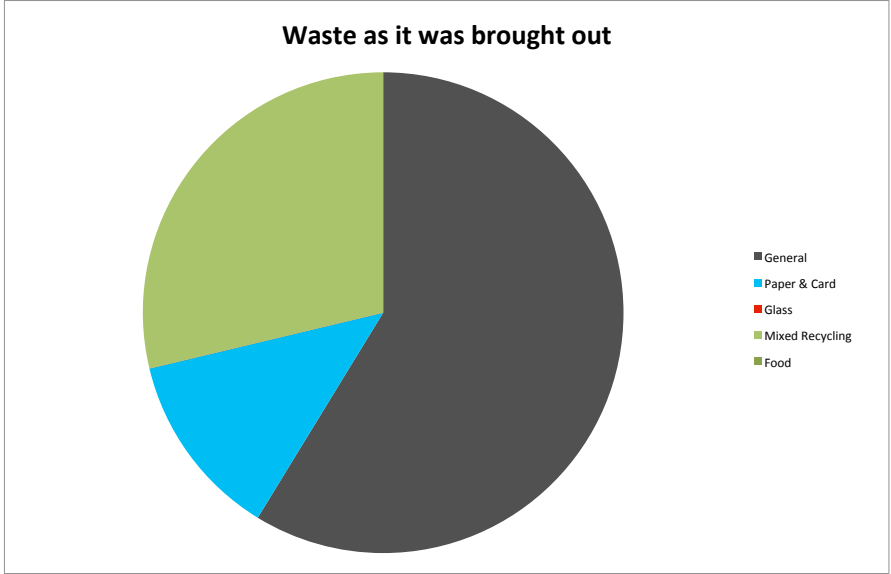
Imperial College London

**Waste audit - Beit Quad Union Building - Tuesday 17th February - Monday 23rd
February 2015**

Audited by Estates Facilities Soft Services

Imperial College London

Date	Feb	Waste as brought out					Materials sorted from the General Waste										
		General	Paper & Card	Glass	Mixed Recycling	Food	General	Paper & Card	Glass	Mixed Recycling	Food	Textiles	Printer cartridges	Batteries	WEEE		
Tuesday	17	20.4	2.4	0	6.500	N/A	8.7	0.5	0	9.2	2	0	Nil	Nil	0		
Wed	18	15.7	2.5	0	7.2	N/A	9.3	0.5	0	4.9	1	0	Nil	Nil	0		
Thurs	19	12.0	2.1	0	9.5	N/A	7.1	0.6	0	2.3	2	0	Nil	Nil	0		
Fri	20	8.0	1.4	0	12	N/A	7.1	0.3	0	0.6	0	0	Nil	Nil	0		
Mon	23	36.3	11.3	0	10	N/A	16.5	1.5	0	5.7	10.5	2	Nil	Nil	0.1		
		92.4	19.700	0.000	45.200	0	157.3	48.7	3.4	0	22.7	15.5	2	0	0	0.1	92.4



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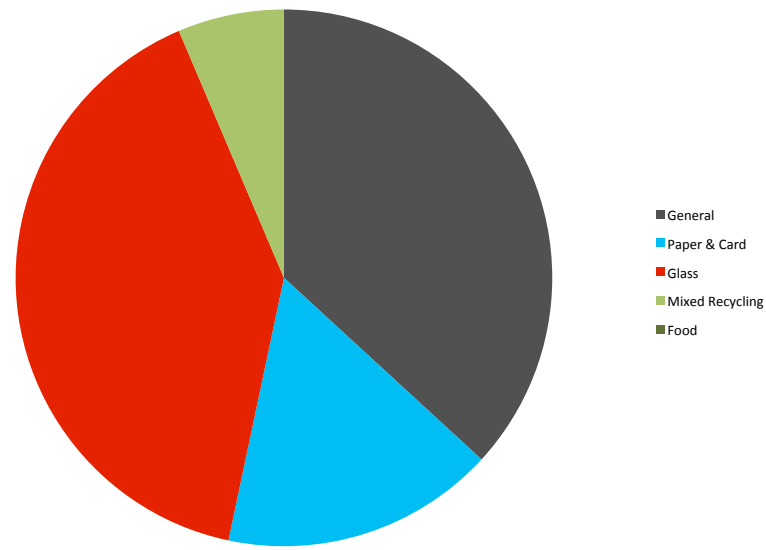
Audited by Estates Facilities Soft Services

Measurements in KG

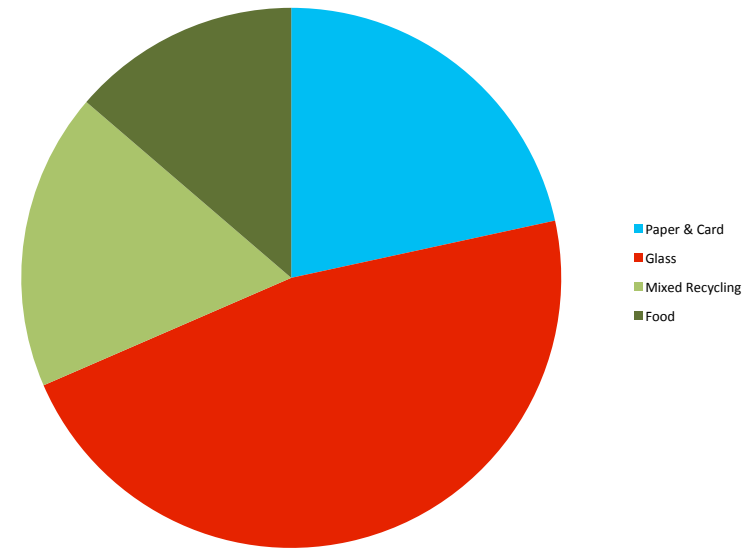
Date	Feb	Waste as presented					Potential if correctly segregated										
		General	Paper & Card	Glass	Mixed Recycling	Food	General	Paper & Card	Glass	Mixed Recycling	Food	Textiles	Printer cartridges	Batteries	WEEE		
Tuesday	17	28.9	16	137	11	N/A	16	0.2	0	2.2	10.5	0	0	0	0		
Wed	18	51	34	0	0	N/A	24.1	4.9	0	4.6	17.4	0	0	0	0		
Thurs	19	53	21	39	15	N/A	30	1.1	0	4.4	17.5	0	0	0	0		
Fri	20	38	27.9	58	11.5	N/A	16.8	2.6	0	0	2.8	14	0	0	1.8		
Mon	23	108	26	71	11	N/A	4.1	6.8	0	56.1	41	0	0	0	0		
		278.9	124.9	305	48.5	0	757.3	91	15.6	0	67.3	89.2	14	0	0	1.8	278.9

Waste

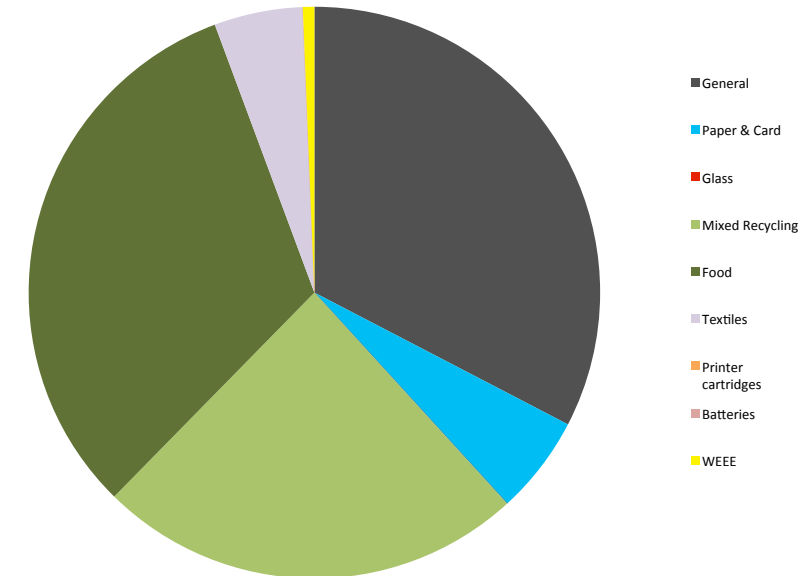
Waste as it was brought out



Waste had it been sorted correctly



Materials sorted from general waste



General clearances

Job date	Campus / Dept Name	PostCode	Collection Volume (yards3)	Total Collection Weight (kg)	Mixed 20.03.01	Metal	CRT/TV/Flourescent Tubes - 16.02.13	Non-haz WEEE - 20.01.36	Gas Bottles - 16.05.04	Fridge/Freezer - 20.01.35	Wood	Tyres	Disposal Facility	Disposal Postcode	Disposal Date	% Landfill Diversion	kg diverted	kg landfill	Invoice Number	Price
South Kensington																				
12/08/11	Beit Quad	SW7 2BB	14	700	690	-	-	-	-	10	-	-	Sita- Battersea	SW8 4RT	15/08/11	85%	596.5	103.5	92504	£288.00
15/08/11	Beit Quad	SW7 2BB	14	1000	980	-	-	-	-	-	-	20	Sita- Battersea	SW8 4RT	16/08/11	85%	853	147	92640	£320.00
24/08/11	Beit Quad	SW7 2BB	7	600	600	-	-	-	-	-	-	-	Sita- Battersea	SW8 4RT	25/08/11	85%	510	90	93671	£248.00
26/09/11	Beit Quad	SW7 2BB	10	400	-	-	-	-	-	-	400	-	Anyjunk London	SW8 5BL	26/09/11	100%	400	0	95872	£202.35
27/09/11	Beit Quad	SW7 2BB	28	4000	4,000	-	-	-	-	-	-	-	Powerday - Brix	SW9 7DT	28/09/11	99%	3960	40	95976	£604.60
28/09/11	Beit Quad	SW7 2BB	5	700	700	-	-	-	-	-	-	-	Sita- Battersea	SW8 4RT	28/09/11	99%	693	7	96302	£126.00
03/04/12	Beit Quad	SW7 2BB	14	800	800	-	-	-	-	-	-	-	Sita - Battersea	SW8 4TP	04/04/12	99%	792	8	110102	£250.00
03/04/12	Beit Quad	SW7 2BB	7	700	670	-	-	-	-	30	-	-	Sita - Mitcham	CR4 3BQ	04/04/12	99%	693.3	6.7	110104	£165.00
24/06/14	Beit Quad	SW7 2BB	10	1000	1000	-	-	-	-	-	-	-								
Average annual waste over 3 year sample			36	3300	3147	0	0	0	0	13	133	7					2833	134		£734.65

Missing data

Waste Cooking Oil

Summary Waste Transfer Note

Date 18/03/15

Transferor of Waste and Collection point
Imperial College Student Union
Beit Quad, Prince Consort Road
London
SW7 2BB

Carrier ref
CB/CE5502RA
Bio UK Fuels Sheffield Ltd
Unit 3, The Ickles
Sheffield Rd
Rotherham
S60 1DP

Service: collection of Waste cooking oil EWC code 200125
Collection volumes (approx in litres)

Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
0	0	0	0	0	0	0	0	0	0	0	80

Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
50	0	0	0	70	0	40	0	40	0	60	0

2013	80 litres
2014	260 litres

Bio UK Fuels (Sheffield) Ltd a registered carrier and environmental permit holder undertakes to recycle the waste or transfer it to the holder of a waste management license appropriate to the waste described in accordance with Bio UK fuels Sheffield Ltd Duty of care under the Environmental Protection Act 1990.

Bio UK Fuels Sheffield Ltd
Unit 3, The Ickles, Sheffield Rd, Rotherham, S60 1DP.
[01709 373 248 info@bioukfuels.co.uk](mailto:info@bioukfuels.co.uk)

Findings

Large amounts of plastic cups from the bar and night club were found in the General Waste especially on Monday 23rd when there were 13 full black bags (2 full carts), approximately 98% - [see photos 4-8](#)

Large amounts of crisp packets, serviettes and kitchen roll from the bar contaminating the mixed recycling

Several times we found brand new batches of plastic cups in the general waste

Very little WEEE disposed of other than one small batch of loose wiring, one set of adapters and plugs found in general waste on the Friday and Monday - this needs to be recycled under the WEEE (Waste Electrical Electronic Equipment) legislation

A jacket was found in the general waste which should have gone in the TRAIID bank at Blackett - even if clothes are unfit to wear, the fabric is shredded and put to use

The College is charged by the Council per cart so the weight of the majority of contamination, i.e. mostly plastic cups and cans doesn't reflect the expense to the college. We are charge approximately 50% more for general waste than for recycling

This audit covered only one week and the scope was only the waste at one location; these are other SU offices and over 350 clubs and societies

Recommendations

Review the recycling bins in the bar area. Dan Green, Venue Manager requested an extra recycling bin for the bar area before the audit

Raise awareness of recycling cups and cans in the night club. Perhaps look to appoint someone to be in charge of waste at student events

Adopt the 'Bin the Bin' initiative in the SU offices - desk bins were seen in all office spaces, many containing paper and cans and bottles. Resource will put this in the general waste as sorting waste is not in their contract.

Look to providing an outlet for food recycling.

Change one of the General Waste Carts to a Mixed recycling to accomodate all the plastic cups that the team now know as recycling

SU purchase green recycling bags instead of using black bags to collect cups at events

As there are some areas with 'Mixed Recycling' bins and some with the full set, it is difficult to tell whether Resource are keeping the streams separate or mixing it up. Also Resource were aware of the audit.

Resource were bringing out paper and card and mixed recycling in the large clear plastic bags which defeats the object of having re-usable blue sacs

Review food waste recycling at Beit Quad Student Union, re emails between Dan Green (Venue Manager), Gloria (under Graduate) and Nic