

APPENDIX D - EXCERPTS FROM THE 2009 WASTE COMPOSTION STUDY

	Single Family Low Income	Single Family Middle Income (autobin)	Single Family Middle Income (non- autobin)	Single Family High Income	Multi- Family Dwellings	Per Cap Weighted Average	Estimated Annual Generation
Total Population in Category (based on 1996 Census)	174,095	62,587	167,892	100,566	113,335	618,475	
Population split based on 1996 census	28.15%	10.12%	27.15%	16.26%	18.32%	100.00%	
Total Population in Category (based on 2006 Census)	178,311	64,103	171,957	103,001	116,079	633,451	
	(kg/cap/yr)	(kg/cap/yr)	(kg/cap/yr)	(kg/cap/yr)	(kg/cap/yr)	(kg/cap/yr)	(T/yr)
1. PAPER							
Newspaper – Dailys and Weeklys	5.05	19.34	34.94	10.50	26.36	19.40	12,290
Newspaper - Other	9.44	13.72	20.54	15.15	12.38	14.36	9,094
Telephone Books / Directories	2.17	0.96	1.31	0.00	0.82	1.21	768
Magazines & Catalogues	1.00	6.31	5.73	3.00	3.63	3.63	2,298
Mixed Fine Paper	3.54	11.08	3.70	7.32	7.05	5.60	3,549
Books	0.36	1.73	0.00	0.07	0.83	0.44	279
Other Paper	1.25	0.90	0.69	0.50	1.64	1.01	642
Total Paper	22.81	54.03	66.91	36.54	52.72	45.66	28,921
2. PAPER PACKAGING							
Corrugated Wine Bag in Box	0.00	0.03	0.47	0.00	0.00	0.13	83
Other Corrugated	18.50	11.25	10.88	18.58	11.12	14.36	9,096
Corrugated Total	18.50	11.28	11.36	18.58	11.12	14.49	9,179
Kraft Paper	1.13	1.32	2.46	1.02	1.29	1.52	963
Boxboard / Cores	10.11	10.56	10.91	12.62	9.01	10.58	6,702
Molded Pulp	0.94	0.45	1.99	0.74	0.84	1.13	713
Paper Cups and Paper Ice-Cream Containers	1.43	0.82	1.27	0.95	1.12	1.19	753
Laminated Paper Packaging	1.05	0.87	1.21	0.68	0.72	0.96	605
Composite Cans	0.55	0.27	0.40	0.40	0.37	0.42	269
Gable Top Cartons	1.27	1.21	2.95	1.15	2.23	1.88	1,189
Aseptic Alcohol Over 630 ml	0.00	0.00	0.00	0.00	0.01	0.00	1
Aseptic Alcohol 630 ml and Under	0.00	0.01	0.00	0.00	0.00	0.00	1
Aseptic Other Containers	0.57	0.50	0.72	0.57	0.92	0.67	423
Aseptic Containers Total	0.57	0.51	0.72	0.57	0.93	0.67	424
Tissue/Toweling	7.49	7.61	4.51	7.74	8.76	6.97	4,413
Total Paper Packaging	43.02	34.90	37.79	44.47	36.39	39.80	25,211
3. PLASTICS							
PET Beer Bottles	0.00	0.03	0.00	0.00	0.00	0.00	2
PET Other Alcohol Bottles Over 630 ml	0.00	0.23	0.00	0.08	0.05	0.04	28
PET Other Alcohol Bottles Over 100 ml and Less Than or Equal to 630	0.00	0.05	0.00	0.00	0.03	0.01	7
PET Other Alcohol Bottles 100 ml and Under	0.02	0.08	0.00	0.00	0.00	0.01	8
PET Alcohol Bottles Total	0.02	0.39	0.00	0.08	0.08	0.07	45
PET Beverage Bottles Over 1 litre	2.42	1.30	2.73	1.21	1.39	2.00	1269.07
PET Beverage Bottles 1 litre and Less	2.30	1.57	1.27	2.93	1.87	1.97	1248.71
PET Non Alcohol Beverage Total	4.72	2.87	4.00	4.15	3.25	3.97	2,518
PET Other Bottles & Jars	1.47	0.66	2.30	2.02	1.10	1.63	1,035
PET Other Packaging	0.74	0.98	0.64	0.60	0.70	0.71	448
HDEP Milk	1.90	1.69	1.67	1.34	0.99	1.56	989
HDPE Other Beverage Bottles	0.37	0.17	0.13	0.28	0.22	0.24	153
HDPE Other Bottles & Jugs	1.67	1.83	2.24	1.53	1.53	1.79	1,137
PVC Bottles & Jars	0.05	0.06	0.08	0.02	0.03	0.05	33
Other Plastic Alcohol Containers 100 ml and Under	0.00	0.00	0.00	0.00	0.00	0.00	0
Other Bottles, Jars & Jugs	0.78	0.42	1.34	0.23	0.36	0.73	463
Polystyrene Packaging	1.89	1.64	1.53	1.31	1.30	1.56	991
Wide Mouth Tubs & Lids	0.80	1.27	1.25	0.93	1.49	1.12	707
Large HDPE & PP Pails & Lids	0.41	0.29	0.00	0.69	0.31	0.31	199
Polyethylene PE Retail and Carry-out Bags/Sacks	2.40	2.08	2.65	1.64	2.54	2.34	1,480
Bag Count for PE Retail and Carry Out Bags - Reused	95.1	65.2	146.5	52.4	98.0	99.6	
Bag Count for PE Retail and Carry Out Bags - Empty	122.2	79.1	120.7	50.7	102.1	102.2	
Total Bag Count for PE Retail and Carry Out Bags	217.3	144.3	267.2	103.2	200.1	201.8	
Polyethylene PE Plastic Bags & Film - Other Packaging	3.76	2.36	4.72	4.05	3.37	3.85	2,441
Polyethylene PE Bags and Film Total	6.16	4.44	7.37	5.69	5.91	6.19	3,921
Polyethylene Plastic Bags & Film - Non-Packaging	3.07	3.09	3.08	2.91	3.06	3.05	1,930
Laminated Pouches & Bag in Box Liners for Alcoholic Beverages	0.00	0.22	0.00	0.00	0.13	0.05	29
Laminated/Other Plastic Film and Bags	2.27	1.56	0.80	1.51	1.70	1.57	996
Laminated/Other Plastic Film and Bags Total	2.27	1.78	0.80	1.51	1.83	1.62	1,025
Other Rigid Plastic Packaging	1.52	2.22	1.10	2.64	1.44	1.65	1,042
Durable Plastic Products	6.78	2.86	1.71	3.01	2.98	3.70	2,342
Total Plastics	34.62	26.66	29.25	28.93	26.59	29.96	18,979
4. METALS							
Aluminum Alcoholic Beverage Cans Over 1 L	0.00	0.00	0.00	0.00	0.00	0.00	0
Aluminum Alcoholic Beverage Cans 1 L and Under	0.82	0.39	1.25	0.07	0.47	0.71	448
Aluminum Beverage Cans	1.72	1.51	0.85	1.12	0.97	1.23	778
Aluminum Food Cans	1.59	0.43	0.09	0.72	0.62	0.75	473
Aluminum Food & Beverage Cans Total	4.13	2.32	2.19	1.91	2.06	2.68	1,699
Aluminum Foil & Foil Trays	0.54	0.60	1.31	0.83	1.12	0.91	575
Other Aluminum Containers	0.05	0.08	0.42	0.04	0.04	0.15	94

Steel Alcoholic Beverage Cans Over 1 L	0.00	0.00	0.00	0.00	0.00	0.00	0
Steel Alcoholic Beverage Cans 1 L and Under	0.00	0.00	0.00	0.00	0.00	0.00	0
Steel Beverage Containers	0.84	0.16	0.08	0.25	0.07	0.33	206
Steel Food Containers	4.60	4.22	5.91	2.51	3.42	4.36	2,763
Steel Food & Beverage Cans Total	5.44	4.37	5.98	2.76	3.49	4.69	2,969
Steel Aerosol Cans	0.48	0.33	0.22	0.18	0.34	0.32	203
Steel Paint Cans	0.14	0.16	0.00	0.00	0.10	0.07	47
Other Metal	1.26	1.59	2.30	1.99	2.45	1.91	1,211
Total Metals	12.04	9.45	12.43	7.70	9.61	10.73	6,797
5. GLASS							
Clear Glass Beer	0.91	0.35	5.26	0.09	0.82	1.88	1,192
Clear Glass Other Alcohol	1.58	4.11	4.69	2.38	3.05	3.08	1,950
Total Clear Glass Alcohol	2.49	4.46	9.94	2.46	3.87	4.96	3,142
Clear Glass Other Beverage	0.44	0.42	0.37	0.00	0.70	0.40	250
Coloured Glass Beer	0.39	0.71	0.27	0.74	0.57	0.48	304
Coloured Glass Alcohol	0.83	6.28	7.32	1.55	3.16	3.69	2,335
Total Coloured Glass Other Alcohol	1.22	6.98	7.59	2.29	3.73	4.17	2,639
Coloured Glass Other Beverage Containers	0.00	0.51	0.56	0.05	0.38	0.28	178
Clear Glass Food Containers	6.21	7.15	6.92	3.89	4.55	5.81	3,683
Coloured Glass Food Containers	0.18	0.12	0.18	0.18	0.07	0.15	96
Other Glass	1.46	1.32	2.00	2.16	2.50	1.90	1,201
Total Glass	11.99	20.97	27.55	11.03	15.79	17.66	11,190
6. HOUSEHOLD SPECIAL WASTE							
Batteries	0.45	0.43	0.05	0.21	0.21	0.26	162
Paint & Stain	0.28	0.73	0.00	0.11	0.08	0.19	117
Motor Oil	1.07	0.05	0.00	0.00	0.19	0.34	215
Other HSW liquids	0.06	0.02	0.00	0.02	0.02	0.03	17
Other HSW	0.74	0.25	0.00	0.01	0.08	0.25	159
Total HSW	2.60	1.48	0.05	0.35	0.58	1.06	670
7. ORGANICS							
Food Waste	103.54	73.16	95.11	72.42	68.59	86.71	54,928
Yard Waste	22.53	60.03	0.92	86.94	3.80	27.50	17,419
Pet waste	13.31	22.77	33.77	19.13	17.74	21.58	13,670
Total Organics	139.38	155.96	129.79	178.49	90.13	135.79	86,017
8. OTHER MATERIALS							
Diapers and Sanitary Products	30.58	16.60	11.81	25.69	13.57	20.16	12,768
Textiles	14.07	5.23	3.20	3.66	7.40	7.31	4,630
Carpeting	2.83	0.57	0.00	0.00	0.37	0.92	585
Construction & Renovation	36.19	12.51	16.52	19.54	5.89	20.19	12,792
Computer / IT Equipment	0.26	0.05	0.09	0.95	0.06	0.27	169
Telecom Equipment	0.27	0.00	0.00	0.10	0.37	0.16	101
TV & Audio Equipment	0.02	0.00	0.00	0.05	0.53	0.11	71
Small Kitchen Appliances	0.44	0.03	0.00	0.00	0.66	0.25	157
Other Electronics	0.30	0.38	0.08	0.07	0.41	0.23	146
Tires and Other Rubber	0.33	0.64	0.02	0.14	0.05	0.19	123
Ceramics	1.02	0.97	0.28	0.42	0.80	0.68	429
Furniture	0.00	0.00	0.00	0.00	0.00	0.00	0
Mattresses	0.00	0.00	0.00	0.00	6.23	1.14	724
Other Large Bulky Items	0.00	0.00	0.00	0.00	0.21	0.04	24
Other Waste	5.07	1.45	0.57	0.93	1.79	2.21	1,400
Total Other Materials	91.39	38.44	32.57	51.54	38.34	53.86	34,120
Grand Total	357.86	341.90	336.34	359.05	270.16	334.53	211,906
Grand Total Excluding Yard Waste	335.33	281.88	335.42	272.11	266.36	307.03	194,486