

NYC Waste Characterization Study

Final Report, Volume 1

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Section 3: Residential Historical Comparisons

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## **Section 3 Residential Historical Comparisons**

### **3.1 Introduction**

Comparing past and present Waste composition results is useful in several ways. First, such comparisons highlight trends over time. The generation and composition of Waste is influenced by many factors, including changes in Population size, demographics, economic conditions, and technology. Changes in these factors are reflected in the character of the Waste. For example, over the past ten years, the use of plastics has increased and this is evident in comparing the City's Waste in 1989/1990 and 2004/2005.

Second, the 1989/1990 WCS was conducted at a time when the City's Recycling program was just beginning. Relatively few areas of the City had Recycling collection in 1989, and sampling was not carried out in those areas. By 2004/2005, when the PWCS and the WCS took place, Recycling was well-established citywide. A comparison of the studies from these two periods shows the amount that is now being diverted from disposal and how much more material might be diverted. It also shows that there are limits to diversion, at least under the present program.

The methodologies used in the 1989/1990 Study and the WCS were similar in a number of ways. Both studies used two demographic criteria as a means of characterizing the City's residential Waste and developed nine demographic strata based on these criteria. Both studies examined seasonality by including four seasonal sorts and sorted Refuse Samples of 200 pounds to 300 pounds.

However, comparisons between the two studies are complicated by certain differences in methodology and logistical procedures. The 1989/1990 Study sorted more than 1,300 residential Refuse samples and no Recycling samples; the WCS sorted more than 3,400 Refuse and Recycling samples. Because citywide Recycling was in its nascent stage in 1989, the 1989/1990 Study excluded any Census Tracts for which a curbside Recycling program was in operation or planned for implementation. Therefore, only residential Refuse samples were characterized. In 2004/2005, Recycling collection was citywide and the WCS characterized Refuse and Recycling, both Paper and MGP.

While both studies used median household income as one of the demographic criteria, the 1989/1990 Study used population density and the WCS used housing density. The 1989/1990 Study excluded the 10 percent of the population in Census Tracts with the highest and lowest densities and incomes. Because the WCS was designed to randomly sample Census Tracts, giving an equal opportunity for every Census Tract to be selected, none of the Census Tracts were excluded from the WCS.

In estimating the composition of the Refuse, the 1989/1990 Study specifically excluded bulk waste. Therefore, in order to make comparisons between the WCS and the 1989/1990 Study, the results of the WCS were calculated without Bulk Items and these results are presented in Section 3.4.

Finally, the Refuse samples in the 1989/1990 Study were sorted into 45 Material Categories. The PWCS Refuse samples were sorted into 87 Material Categories and the WCS Refuse samples were sorted into 91 Material Categories. Therefore, certain adjustments had to be made to reconcile the differences in the Material Categories used in the two studies. For example, the “non-recyclable paper” category in the PWCS and WCS is included in “Other Paper” in the 1989/1990 Study.

### **3.2 Adjustments to 2004/2005 from 1989/1990 Material Categories**

Tables 1-81 and 1-82 summarize the adjustments in the Material Categories that were made to arrive at the comparisons of the studies. These tables are useful in understanding the modifications in the Material Categories that were necessary to make a comparison of the results possible.

**Table 1-81  
Adjustments to PWCS 2004 Material Categories for Comparison with 1989/1990 Study**

1989/1990 Group	1989/1990 Category	2004 Group	2004 Category
Paper	Newsprint	Paper	Newspaper
Paper	Corrugated/Kraft	Paper	Plain OCC/Kraft Paper
Paper	Office/Computer Paper	Paper	High Grade Paper
Paper	Other Paper	Paper	Mixed Low Grade Paper
Paper	Books/Phone Books	Paper	Phone Books
Paper	Books/Phone Books	Paper	Paperbacks
Paper	Other Paper	Paper	Paper Bags
Paper	Other Paper	Paper	Polycoated Containers
Paper	Other Paper	Paper	Compostable/Soiled/ Waxed OCC
Paper	Other Paper	Paper	Single Use Paper Plates, Cups
Paper	Other Paper	Paper	Other Nonrecyclable Paper
Plastic	PET Containers	Plastic	PET Bottles: Deposit
Plastic	Clear HDPE Containers	Plastic	HDPE Natural Bottles
Plastic	Colored HDPE Containers	Plastic	HDPE Colored Bottles
Plastic	Miscellaneous Plastic	Plastic	#1-#2 Tubs/Trays: #1 PET
Plastic	Miscellaneous Plastic	Plastic	#1-#2 Tubs/Trays: #2 HDPE
Plastic	PVC	Plastic	#3-#7 Containers: #3 PVC
Plastic	LDPE	Plastic	#3-#7 Containers: #4 LDPE
Plastic	Polypropylene	Plastic	#3-#7 Containers: #5 PP
Plastic	Miscellaneous Plastic	Plastic	#3-#7 Containers: #7 Other
Plastic	PVC	Plastic	Other PVC
Plastic	Polystyrene	Plastic	Rigid Polystyrene
Plastic	Polystyrene	Plastic	Expanded Polystyrene
Plastic	Miscellaneous Plastic	Plastic	Other Rigid Containers/Packaging
Plastic	Films/Bags	Plastic	Plastic Bags
Plastic	Films/Bags	Plastic	Other Film
Plastic	Miscellaneous Plastic	Plastic	Plastic Crates and Soda Bottle Carriers
Plastic	Miscellaneous Plastic	Plastic	Single Use Plastic Plates, Cups, Cutlery, Etc.
Plastic	Miscellaneous Plastic	Plastic	Single Use Cameras
Plastic	Miscellaneous Plastic	Plastic	Disposable Razors
Plastic	Miscellaneous Plastic	Plastic	Other Plastics Materials
Glass	Clear Glass	Glass	Clear Glass
Glass	Green Glass	Glass	Green Glass
Glass	Brown Glass	Glass	Brown Glass
Glass	Miscellaneous Glass	Glass	Mixed Cullet
Glass	Miscellaneous Glass	Glass	Other Glass
Metal	Aluminum Beverage Cans	Metal	Aluminum Cans
Metal	Aluminum Food Containers/Foil	Metal	Aluminum Foil/Tins
Metal	Miscellaneous Aluminum	Metal	Other Aluminum
Metal	Other Metal	Metal	Other Non-Ferrous
Metal	Metal Food Containers	Metal	Tin Food Cans
Metal	Other Metal	Metal	Empty Aerosol Cans
Metal	Other Metal	Metal	Other Ferrous
Metal	Other Metal	Metal	Mixed Metals
Yard	Grass/Leaves	Organic	Leaves and Grass
Yard	Brush/Prunings/Stumps	Organic	Prunings
Yard	Brush/Prunings/Stumps	Organic	Stumps/Limbs

Table 1-81

Adjustments to PWCS 2004 Material Categories for Comparison with 1989/1990 Study *(continued)*

1989/1990 Group	1989/1990 Category	2004 Group	2004 Category
Organic	Food Waste	Organic	Food
Organic	Lumber	Organic	Non-C&D, Untreated Wood
Organic	Textiles	Organic	Non-Clothing Textiles
Organic	Textiles	Organic	Clothing Textiles
Organic	Textiles	Organic	Carpet/Upholstery
Organic	Diapers	Organic	Disposable Diapers/Sanitary Products
Organic	Miscellaneous Organic	Organic	Animal By-Products
Organic	Rubber	Organic	Rubber Products
Organic	Textiles	Organic	Shoes: Leather
Organic	Textiles	Organic	Shoes: Rubber
Organic	Textiles	Organic	Shoes: Other
Organic	Textiles	Organic	Other Leather Products
Organic	Fines	Organic	Fines
Organic	Miscellaneous Organic	Organic	Miscellaneous Organics
Organic	Lumber	Const. Debris	Untreated Dimension Lumber, Pallets, Crates
Organic	Lumber	Const. Debris	Treated/Contaminated Wood
Inorganic/HHW	Miscellaneous Inorganics	Const. Debris	Gypsum Scrap
Inorganic/HHW	Miscellaneous Inorganics	Const. Debris	Fiberglass Insulation
Inorganic/HHW	Miscellaneous Inorganics	Const. Debris	Rock/Concrete/Bricks
Inorganic/HHW	Miscellaneous Inorganics	Const. Debris	Asphaltic Roofing
Inorganic/HHW	Miscellaneous Inorganics	Const. Debris	Other C&D Debris
Inorganic/HHW	Miscellaneous Inorganics	Misc	Misc. Inorganics
Inorganic/HHW	Non-Bulk Ceramics	Misc	Ceramics
Inorganic/HHW	Miscellaneous HHW	HHW	Oil Filters
Inorganic/HHW	Miscellaneous HHW	HHW	Antifreeze
Inorganic/HHW	Car Batteries	HHW	Wet-Cell Batteries
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Gasoline/Kerosene
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Motor Oil/Diesel Oil
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Latex Paints
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Water and Solvent-Based Adhesives/Glues
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Oil-Based Paint/Solvent
Inorganic/HHW	Pesticides	HHW	Pesticides/Herbicides/Rodenticides
Inorganic/HHW	Dry Cell Batteries	HHW	Dry-Cell Batteries
Inorganic/HHW	Miscellaneous HHW	HHW	Fluorescent Tubes
Inorganic/HHW	Miscellaneous HHW	HHW	Mercury-Laden waste
Inorganic/HHW	Miscellaneous HHW	HHW	Compressed Gas Cylinders/Fire Extinguishers
Inorganic/HHW	Miscellaneous HHW	HHW	Asbestos
Inorganic/HHW	Miscellaneous HHW	HHW	Explosives
Inorganic/HHW	Miscellaneous HHW	HHW	Smoke Detectors
Inorganic/HHW	Medical Waste	HHW	Home Medical Products
Inorganic/HHW	Miscellaneous HHW	HHW	Other Potentially Harmful Wastes
Not Assessed In 1990	Appliances And Electronics	App. & Elec.	Small Appliances
Not Assessed In 1990	Appliances And Electronics	App. & Elec.	Audio/Visual Equipment: Cell Phones
Not Assessed In 1990	Appliances And Electronics	App. & Elec.	Audio/Visual Equipment: Other
Not Assessed In 1990	Appliances And Electronics	App. & Elec.	Computer Monitors
Not Assessed In 1990	Appliances And Electronics	App. & Elec.	Televisions
Not Assessed In 1990	Appliances And Electronics	App. & Elec.	Other Computer Equip.

**Table 1-82  
Adjustments to WCS 2004/2005 Material Categories for Comparison with 1989/1990 Study**

1989/1990 Group	1989/1990 Category	2004/2005 Group	2004/2005 Fall through Spring Category <sup>(1)</sup>	2005 Summer Category <sup>(2)</sup>
Paper	Newsprint	Paper	Newspaper	Newspaper
Paper	Corrugated/Kraft	Paper	Plain OCC/Kraft Paper	Plain OCC/Kraft Paper
Paper	Office/Computer Paper	Paper	High Grade Paper	High Grade Paper
Paper	Other Paper	Paper	Mixed Low Grade Paper	Mixed Low Grade Paper
Paper	Books/Phone Books	Paper	Phone Books/Paperbacks	Phone Books/Paperbacks
Paper	Other Paper	Paper	Paper Bags	Paper Bags
Paper	Other Paper	Paper	Polycoated Paper Containers	Polycoated Paper Containers
Paper	Other Paper	Paper	Compostable/Soiled Paper/Waxed OCC/Kraft	Compostable/Soiled Paper/Waxed OCC/Kraft
Paper	Other Paper	Paper	Single Use Paper Plates, Cups	Single Use Paper Plates, Cups
Paper	Other Paper	Paper	Other Nonrecyclable Paper	Other Nonrecyclable Paper
Plastic	PET Containers	Plastic	PET Bottles	PET Bottles
Plastic	Clear HDPE Containers	Plastic	HDPE Bottles: Natural	HDPE Bottles: Natural
Plastic	Colored HDPE Containers	Plastic	HDPE Bottles: Colored	HDPE Bottles: Colored
Plastic	Miscellaneous Plastic	Plastic	#1-#2 Tubs/Trays/Other Containers: #1 PET	#1-#2 Tubs/Trays/Other Containers: #1 PET
Plastic	Miscellaneous Plastic	Plastic	#1-#2 Tubs/Trays/Other Containers: #2 HDPE	#1-#2 Tubs/Trays/Other Containers: #2 HDPE
Plastic	PVC	Plastic	#3 Through #7 Bottles: #3 PVC	#3 Through #7 Bottles: #3 PVC
Plastic	LDPE	Plastic	#3 Through #7 Bottles: #4 LDPE	#3 Through #7 Bottles: #4 LDPE
Plastic	Polypropylene	Plastic	#3 Through #7 Bottles: #5 PP	#3 Through #7 Bottles: #5 PP
Plastic	Miscellaneous Plastic	Plastic	#3 Through #7 Bottles: #7 Other	#3 Through #7 Bottles: #7 Other
Plastic	PVC	Plastic	#3 Through #7 Tubs: #3 PVC	#3 Through #7 Tubs: #3 PVC
Plastic	LDPE	Plastic	#3 Through #7 Tubs: #4 LDPE	#3 Through #7 Tubs: #4 LDPE
Plastic	Polypropylene	Plastic	#3 Through #7 Tubs: #5 PP	#3 Through #7 Tubs: #5 PP
Plastic	Miscellaneous Plastic	Plastic	#3 Through #7 Tubs: #7 Other	#3 Through #7 Tubs: #7 Other
Plastic	Miscellaneous Plastic	Plastic	Soda Crates and Bottle Carriers	Soda Crates and Bottle Carriers
Plastic	PVC	Plastic	Other PVC	Other PVC
Plastic	Polystyrene	Plastic	Rigid Polystyrene Containers and Packaging	Rigid Polystyrene Containers and Packaging
Plastic	Polystyrene	Plastic	Expanded Polystyrene Containers and Packaging	Expanded Polystyrene Containers and Packaging
Plastic	Miscellaneous Plastic	Plastic	Other Rigid Containers/Packaging	Other Rigid Containers/Packaging
Plastic	Films/Bags	Plastic	Plastic Bags	Plastic Bags: Shopping Bags
Plastic	Films/Bags	Plastic	Plastic Bags	Plastic Bags: Dry Cleaning Bags & Newspaper Bags
Plastic	Films/Bags	Plastic	Other Film	Film: Garbage/Recycling Bags
Plastic	Films/Bags	Plastic	Other Film	Film: Other
Plastic	Miscellaneous Plastic	Plastic	Single Use Plastic Plates, Cups, Cutlery, Etc.	Single Use Plastic Plates, Cups, Cutlery, Etc.
Plastic	Miscellaneous Plastic	Plastic	Other Plastics Materials	Plastic Materials: Personal Hygiene
Plastic	Miscellaneous Plastic	Plastic	Other Plastics Materials	Plastic Materials: Toys/Housewares
Plastic	Miscellaneous Plastic	Plastic	Other Plastics Materials	Plastic Materials: Other
Glass	Clear Glass	Glass	Clear Container Glass	Clear Container Glass
Glass	Green Glass	Glass	Green Container Glass	Green Container Glass
Glass	Brown Glass	Glass	Brown Container Glass	Brown Container Glass
Glass	Miscellaneous Glass	Glass	Mixed Cullet	Mixed Cullet
Glass	Miscellaneous Glass	Glass	Other Container Glass	Other Container Glass
Glass	Miscellaneous Glass	Glass	Other Glass	Other Glass
Metal	Aluminum Beverage Cans	Metal	Aluminum Cans	Aluminum Cans
Metal	Aluminum Food Containers/Foil	Metal	Aluminum Foil/Containers	Aluminum: Foil/Containers
Metal	Miscellaneous Aluminum	Metal	Other Aluminum	Aluminum: Toys/Housewares
Metal	Miscellaneous Aluminum	Metal	Other Aluminum	Aluminum: Hardware
Metal	Miscellaneous Aluminum	Metal	Other Aluminum	Aluminum: Other
Metal	Other Metal	Metal	Other Non-Ferrous	Non-Ferrous: Toys/Housewares
Metal	Other Metal	Metal	Other Non-Ferrous	Non-Ferrous: Hardware
Metal	Other Metal	Metal	Other Non-Ferrous	Non-Ferrous: Other
Metal	Metal Food Containers	Metal	Tin Food Cans	Tin Food Cans
Metal	Other Metal	Metal	Empty Aerosol Cans	Empty Aerosol Cans
Metal	Other Metal	Metal	Other Ferrous	Ferrous: Toys/Housewares
Metal	Other Metal	Metal	Other Ferrous	Ferrous: Hardware
Metal	Other Metal	Metal	Other Ferrous	Ferrous: Other
Metal	Other Metal	Metal	Mixed Metals	Mixed Metals: Toys/Housewares
Metal	Other Metal	Metal	Mixed Metals	Mixed Metals: Hardware
Metal	Other Metal	Metal	Mixed Metals	Mixed Metals: Other
Metal	Other Metal	App. & Elec.	Appliances: Ferrous	Appliances: Ferrous
Metal	Other Metal	App. & Elec.	Appliances: Non-Ferrous	Appliances: Non-Ferrous
Yard	Grass/Leaves	Organic	Leaves And Grass	Leaves And Grass
Yard	Brush/Prunings/Stumps	Organic	Prunings	Prunings
Yard	Brush/Prunings/Stumps	Organic	Stumps/Limbs	Stumps/Limbs

**Table 1-82**  
**Adjustments to WCS 2004/2005 Material Categories for Comparison with 1989/1990 Study (continued)**

1989/1990 Group	1989/1990 Category	2004/2005 Group	2004/2005 Fall through Spring Category <sup>(1)</sup>	2005 Summer Category <sup>(2)</sup>
Organic	Food Waste	Organic	Food	Food
Organic	Miscellaneous Organic	Organic	Wood Furniture/Furniture Pieces	Wood Furniture/Furniture Pieces
Organic	Lumber	Organic	Non-C&D Untreated Wood	Non-C&D Untreated Wood
Organic	Textiles	Organic	Non-Clothing Textiles	Non-Clothing Textiles
Organic	Textiles	Organic	Clothing Textiles	Clothing Textiles
Organic	Textiles	Organic	Carpet/Upholstery	Carpet/Upholstery
Organic	Diapers	Organic	Disposable Diapers and Sanitary Products	Disposable Diapers and Sanitary Products
Organic	Miscellaneous Organic	Organic	Animal By-Products	Animal By-Products
Organic	Rubber	Organic	Rubber Products	Rubber Products
Organic	Textiles	Organic	Shoes	Shoes
Organic	Textiles	Organic	Other Leather Products	Other Leather Products
Organic	Fines	Organic	Fines	Fines
Organic	Textiles	Organic	Upholstered or Other Organic-Type Furniture	Upholstered or Other Organic-Type Furniture
Organic	Miscellaneous Organic	Organic	Miscellaneous Organics	Miscellaneous Organics
Organic	Lumber	C & D Debris	Untreated Dimension Lumber, Pallets, Crates	Untreated Dimension Lumber, Pallets, Crates
Organic	Lumber	C & D Debris	Treated/Contaminated Wood	Treated/Contaminated Wood
Inorganic/HHW	Miscellaneous Inorganics	C & D Debris	Gypsum Scrap	Gypsum Scrap
Inorganic/HHW	Miscellaneous Inorganics	C & D Debris	Rock/Concrete/Bricks	Rock/Concrete/Bricks
Inorganic/HHW	Miscellaneous Inorganics	C & D Debris	Other Construction Debris	Other Construction Debris
Inorganic/HHW	Miscellaneous Inorganics	Misc	Miscellaneous Inorganics	Miscellaneous Inorganics
Inorganic/HHW	Non-Bulk Ceramics	Misc	Ceramics	Ceramics
Inorganic/HHW	Miscellaneous HHW	HHW	Oil Filters	Oil Filters
Inorganic/HHW	Miscellaneous HHW	HHW	Antifreeze	Antifreeze
Inorganic/HHW	Car Batteries	HHW	Wet-Cell Batteries	Wet-Cell Batteries
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Gasoline/Kerosene/Motor Oil/Diesel Fuel	Gasoline/Kerosene/Motor Oil/Diesel Fuel
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Latex Paints/Water-Based Adhesives/Glues	Latex Paints/Water-Based Adhesives/Glues
Inorganic/HHW	Paints/Solvents/Fuel	HHW	Oil-Based Paints/Solvent-Based Adhesives/Glues	Oil-Based Paints/Solvent-Based Adhesives/Glues
Inorganic/HHW	Pesticides	HHW	Pesticides/Herbicides/Rodenticides	Pesticides/Herbicides/Rodenticides
Inorganic/HHW	Dry Cell Batteries	HHW	Dry-Cell Batteries	Dry-Cell Batteries
Inorganic/HHW	Miscellaneous HHW	HHW	Fluorescent Tubes	Fluorescent Tubes
Inorganic/HHW	Miscellaneous HHW	HHW	Mercury-Laden Wastes	Mercury-Laden Wastes
Inorganic/HHW	Miscellaneous HHW	HHW	Compressed Gas Cylinders, Fire Extinguishers	Compressed Gas Cylinders, Fire Extinguishers
Inorganic/HHW	Medical Waste	HHW	Home Medical Products	Home Medical Products
Inorganic/HHW	Miscellaneous HHW	HHW	Other Potentially Harmful Wastes	Other Potentially Harmful Wastes
Not Assessed In 1989/90	Appliances And Electronics	App. & Elec.	Appliances: Plastic	Appliances: Plastic
Not Assessed In 1989/90	Appliances And Electronics	App. & Elec.	Audio/Visual Equipment: Cell Phones	Audio/Visual Equipment: Cell Phones
Not Assessed In 1989/90	Appliances And Electronics	App. & Elec.	Audio/Visual Equipment: Other	Audio/Visual Equipment: Other
Not Assessed In 1989/90	Appliances And Electronics	App. & Elec.	Computer Monitors	Computer Monitors
Not Assessed In 1989/90	Appliances And Electronics	App. & Elec.	Televisions	Televisions
Not Assessed In 1989/90	Appliances And Electronics	App. & Elec.	Other Computer Equipment	Other Computer Equipment

(1) The number of materials examined during the WCS was less than those in the PWCS. Materials within a material group were combined if they were infrequently - or never - seen in the PWCS.

(2) Materials shown in bold were subdivided into more specific categories during the Summer sort. This subdivision was done to gather more detailed information of the materials.

### **3.3 Seasonal Comparisons 2004/2005 to 1989/1990**

Comparisons in Refuse composition between these two periods, 1989/1990 and 2004/2004, are shown in Tables 1-83 through 1-87.

Table 1-83 compares the results of the PWCS with results of the 1989/1990 Study. Because the PWCS was taken place in May and June (2004) and involved a single Sorting Period, it was deemed a “spring” event. For this reason, the results of the PWCS are compared with the results of the Spring Sorting Period of the 1989/1990 Study. Annual comparisons with the PWCS are not possible because the PWCS was conducted during only one season.

Tables 1-84 through 1-87 present the results of the 2004/2005 WCS and 1989/1990 Study each season and annually. These comparisons are presented in a condensed format so that comparisons with the 1989/1990 Study can be made. These types of reports are useful in looking at changes in the Waste stream over time.

**Table 1-83  
Waste Composition, PWCS 2004 vs. Spring 1990, Residential Results Excluding Bulk**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide	
			Spring 1990	PWCS 2004
PAPER	Corrugated/Kraft		4.81%	3.29%
PAPER	Newsprint		8.39%	7.34%
PAPER	Office/Computer Paper		0.23%	1.02%
PAPER	Other Paper	2	17.52%	17.59%
PAPER	Books/Phone Books		0.54%	0.83%
<b>PAPER Total</b>			<b>31.49%</b>	<b>30.07%</b>
PLASTIC	Clear HDPE Containers		0.47%	0.44%
PLASTIC	Colored HDPE Containers		0.57%	0.51%
PLASTIC	LDPE		0.08%	0.01%
PLASTIC	Films/Bags		5.03%	7.11%
PLASTIC	PET Containers	3	0.56%	1.25%
PLASTIC	PVC		0.12%	0.08%
PLASTIC	Polypropylene		0.13%	0.23%
PLASTIC	Polystyrene		0.93%	0.77%
PLASTIC	Miscellaneous Plastic		1.27%	3.16%
<b>PLASTIC Total</b>			<b>9.16%</b>	<b>13.56%</b>
GLASS	Clear Glass		3.52%	1.59%
GLASS	Green Glass		1.05%	0.52%
GLASS	Brown Glass		0.94%	0.37%
GLASS	Miscellaneous Glass	4	0.17%	2.09%
<b>GLASS Total</b>			<b>5.68%</b>	<b>4.57%</b>
METAL	Aluminum Beverage Cans		0.31%	0.22%
METAL	Aluminum Food Containers/Foil		0.50%	0.58%
METAL	Miscellaneous Aluminum		0.04%	0.06%
METAL	Metal Food Containers		2.09%	1.26%
METAL	Other Metal	6	2.78%	2.34%
<b>METAL Total</b>			<b>5.72%</b>	<b>4.46%</b>
YARD	Grass/Leaves		2.79%	5.33%
YARD	Brush/Prunings/Stumps		1.32%	2.99%
<b>YARD Total</b>			<b>4.11%</b>	<b>8.31%</b>
ORGANIC	Lumber		3.63%	2.83%
ORGANIC	Textiles		5.31%	6.18%
ORGANIC	Rubber		0.21%	0.27%
ORGANIC	Fines	5	2.98%	3.69%
ORGANIC	Diapers		3.80%	3.25%
ORGANIC	Food Waste		14.87%	13.69%
ORGANIC	Miscellaneous Organic		9.12%	4.43%
<b>ORGANIC Total</b>			<b>39.92%</b>	<b>34.35%</b>
INORGANIC/HHW	Non-Bulk Ceramics		0.22%	0.36%
INORGANIC/HHW	Miscellaneous Inorganics	5	3.16%	3.11%
INORGANIC/HHW	Pesticides		0.01%	0.00%
INORGANIC/HHW	Paints/Solvents/Fuel		0.13%	0.16%
INORGANIC/HHW	Dry Cell Batteries		0.02%	0.06%
INORGANIC/HHW	Car Batteries		0.20%	0.06%
INORGANIC/HHW	Medical Waste		0.03%	0.03%
INORGANIC/HHW	Miscellaneous HHW	7	0.15%	0.08%
<b>INORGANIC/HHW Total</b>			<b>3.92%</b>	<b>3.86%</b>

**Table 1-83**  
**Waste Composition, PWCS 2004 vs. Spring 1990, Residential Results Excluding Bulk (continued)**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide	
			Spring 1990	PWCS 2004
APPL/ELECT.	Appliances and Electronics	8	0.00%	0.83%
<b>APPL/ELECT. Total</b>			<b>0.00%</b>	<b>0.83%</b>
<b>GRAND TOTAL</b>			<b>100.00%</b>	<b>100.00%</b>
<b>Percent of Waste that is Designated as Recyclable Material</b>		<b>10</b>	<b>44.32%</b>	<b>33.71%</b>

1. For 1990 data, unless otherwise indicated in these footnotes, Material Groups, Material Categories, and Citywide percentage figures are as reported in Volume 2, Exhibit 8-1 (page 8-4) of the OMD version of the DSNY Operations Planning Evaluation Control (OPEC)'s "New York City Waste Composition Study". In some instances, indicated in these footnotes, 2004 data, Material Groups, Material Categories, and percentage figures were combined for comparison to 1990 data.

2. 1990 tonnage data for "Magazines/Glossy", "Non-Corrugated Cardboard", and "Mixed" categories of paper have been combined and labeled "Other Paper". For clarity in comparison to the 2004 tonnage data, a similar category, also labeled "Other Paper", has been created with the 2004 data, combining "Mixed Low Grade Paper", "Paper Bags", "Polycoated Containers", "Compostable/Soiled/Waxed OCC", "Single Use Paper Plates, Cups" and "Other Nonrecyclable Paper".

3. 1990 tonnage data for Clear and Green "PET" plastic have been combined for clarity of comparison.

4. 1990 tonnage data for "Miscellaneous Glass" does not include mixed cullet. 2004 "Miscellaneous Glass" tonnage data includes "Mixed Cullet" and "Miscellaneous Glass".

5. 1990 data includes mixed cullet in "Fines" and "Miscellaneous Inorganics". 2004 data does not.

6. 2004 "Other Metal" data combines "Empty Aerosol Cans", "Other Ferrous", "Other Non-Ferrous", "Mixed Metals", "Appliances-Ferrous", and "Appliances-Non-Ferrous" to correspond with 1990's "Other Metal" ("Other Ferrous Metal" in the 1990 OPEC report).

7. 1990 tonnage data for "Non-Pesticide Poisons" has been added to "Miscellaneous HHW" tonnage total.

8. This category was not assessed in 1990.

9. In some cases, the 1990 percentage figures do not add up to exactly 100% due to rounding.

10. This is the sum of designated Paper, Metal, Glass, Plastic and Beverage Cartons in all Waste (Refuse + Recycling). For 1990 data, this includes all Paper and Metal, as well as Container Glass and HDPE/PET bottles/jugs. Because some paper that is not designated recyclable (tissue, waxed, coated) was included in the 1990 "Mixed" paper category, it cannot now be excluded when calculating the sum of designated paper. Thus, 1990 figures overcount designated recyclable paper. For 2004 data, totals reflect designated recyclable materials only.

**Table 1-84**  
**Waste Composition, Fall 2004 vs. Fall 1989, Residential Results Excluding Bulk <sup>(11)</sup>**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income			
			Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004
			PAPER	Corrugated/Kraft		5.22%	3.10%	5.12%	4.25%	5.77%	3.01%	6.19%	1.90%	4.95%	2.61%	5.51%	3.93%	5.16%	2.95%	3.90%	3.13%	7.50%
PAPER	Newsprint		11.08%	7.60%	18.26%	12.68%	18.23%	7.90%	8.19%	6.18%	13.03%	11.04%	10.59%	5.83%	8.40%	4.93%	11.85%	9.08%	9.63%	5.34%		
PAPER	Office/Computer Paper		0.91%	0.90%	0.58%	1.25%	0.83%	1.01%	0.11%	0.57%	0.97%	1.67%	0.81%	1.24%	0.43%	0.77%	1.63%	0.62%	1.06%	0.58%		
PAPER	Other Paper	2	18.54%	19.57%	23.05%	30.10%	18.51%	19.69%	15.00%	17.12%	19.93%	24.65%	19.41%	18.46%	15.85%	14.46%	19.68%	19.49%	19.08%	16.87%		
PAPER	Books/Phone Books		1.15%	0.81%	0.70%	2.01%	1.01%	1.07%	0.30%	0.63%	2.21%	0.84%	1.00%	0.47%	0.76%	0.81%	2.12%	0.48%	0.42%	0.60%		
<b>PAPER Total</b>			<b>36.90%</b>	<b>31.97%</b>	<b>47.71%</b>	<b>50.28%</b>	<b>44.35%</b>	<b>32.67%</b>	<b>29.79%</b>	<b>26.40%</b>	<b>41.09%</b>	<b>40.81%</b>	<b>37.32%</b>	<b>29.93%</b>	<b>30.60%</b>	<b>23.92%</b>	<b>39.18%</b>	<b>32.80%</b>	<b>37.69%</b>	<b>25.71%</b>		
PLASTIC	Clear HDPE Containers		0.49%	0.49%	0.42%	0.22%	0.33%	0.46%	0.72%	0.61%	0.38%	0.22%	0.43%	0.47%	0.56%	0.47%	0.34%	0.70%	0.59%	0.44%		
PLASTIC	Colored HDPE Containers		0.62%	0.50%	0.68%	0.43%	0.35%	0.53%	0.69%	0.57%	0.52%	0.37%	0.54%	0.53%	0.49%	0.45%	0.72%	0.52%	0.64%	0.52%		
PLASTIC	LDPE		0.15%	0.01%	0.11%	0.00%	0.12%	0.01%	0.21%	0.01%	0.11%	0.00%	0.18%	0.01%	0.16%	0.01%	0.12%	0.00%	0.14%	0.01%		
PLASTIC	Films/Bags		4.93%	7.49%	6.48%	7.85%	6.07%	9.15%	6.62%	8.81%	5.71%	6.18%	5.36%	8.04%	5.04%	7.19%	2.98%	5.95%	4.30%	6.42%		
PLASTIC	PET Containers	3	0.45%	1.06%	0.45%	1.14%	0.35%	0.98%	0.62%	1.19%	0.39%	0.84%	0.51%	1.02%	0.39%	1.14%	0.31%	0.98%	0.57%	1.05%		
PLASTIC	PVC		0.16%	0.03%	0.14%	0.02%	0.05%	0.03%	0.24%	0.03%	0.08%	0.01%	0.08%	0.04%	0.36%	0.04%	0.05%	0.05%	0.17%	0.01%		
PLASTIC	Polypropylene		0.21%	0.19%	0.29%	0.26%	0.11%	0.18%	0.15%	0.23%	0.20%	0.22%	0.23%	0.17%	0.23%	0.11%	0.27%	0.20%	0.12%	0.16%		
PLASTIC	Polystyrene		0.68%	0.81%	1.07%	0.87%	0.87%	0.77%	0.94%	0.96%	0.35%	0.73%	0.77%	0.80%	0.64%	0.90%	0.37%	0.66%	0.97%	0.74%		
PLASTIC	Miscellaneous Plastic		1.09%	3.02%	0.86%	2.68%	1.20%	3.08%	1.03%	2.73%	1.99%	2.44%	1.32%	3.14%	1.38%	3.06%	0.80%	3.39%	1.21%	3.26%		
<b>PLASTIC Total</b>			<b>8.78%</b>	<b>13.62%</b>	<b>10.50%</b>	<b>13.47%</b>	<b>9.45%</b>	<b>15.20%</b>	<b>11.22%</b>	<b>15.12%</b>	<b>9.73%</b>	<b>11.02%</b>	<b>9.42%</b>	<b>14.21%</b>	<b>9.25%</b>	<b>13.38%</b>	<b>5.96%</b>	<b>12.46%</b>	<b>8.71%</b>	<b>12.62%</b>		
GLASS	Clear Glass		2.95%	1.49%	2.48%	1.40%	2.61%	1.17%	3.22%	1.63%	3.28%	1.33%	3.15%	1.30%	2.99%	1.96%	2.60%	1.39%	2.86%	1.56%		
GLASS	Green Glass		0.97%	0.52%	0.41%	1.23%	0.81%	0.48%	1.77%	0.34%	0.75%	1.17%	0.93%	0.43%	0.99%	0.36%	0.55%	0.36%	0.99%	0.29%		
GLASS	Brown Glass		0.83%	0.40%	0.64%	0.27%	0.36%	0.37%	1.18%	0.58%	0.60%	0.62%	0.70%	0.33%	0.61%	0.45%	0.76%	0.30%	1.28%	0.38%		
GLASS	Miscellaneous Glass	4	0.16%	1.82%	0.42%	2.63%	0.27%	1.58%	0.26%	1.60%	0.00%	2.47%	0.18%	1.96%	0.21%	1.68%	0.00%	1.53%	0.16%	1.38%		
<b>GLASS Total</b>			<b>4.91%</b>	<b>4.22%</b>	<b>3.95%</b>	<b>5.53%</b>	<b>4.05%</b>	<b>3.61%</b>	<b>6.43%</b>	<b>4.16%</b>	<b>4.63%</b>	<b>5.59%</b>	<b>4.96%</b>	<b>4.02%</b>	<b>4.80%</b>	<b>4.45%</b>	<b>3.91%</b>	<b>3.58%</b>	<b>5.29%</b>	<b>3.61%</b>		
METAL	Aluminum Beverage Cans		0.33%	0.18%	0.35%	0.17%	0.23%	0.21%	0.44%	0.23%	0.34%	0.20%	0.33%	0.14%	0.31%	0.20%	0.28%	0.16%	0.34%	0.13%		
METAL	Aluminum Food Containers/Foil		0.48%	0.51%	0.51%	0.48%	0.46%	0.43%	0.49%	0.54%	0.47%	0.51%	0.57%	0.53%	0.39%	0.55%	0.41%	0.47%	0.71%	0.56%		
METAL	Miscellaneous Aluminum		0.21%	0.06%	0.42%	0.03%	0.55%	0.06%	0.15%	0.03%	0.12%	0.10%	0.14%	0.01%	0.10%	0.16%	0.21%	0.09%	0.26%	0.02%		
METAL	Metal Food Containers		2.03%	1.27%	1.92%	0.73%	1.88%	1.27%	2.79%	1.93%	2.07%	0.94%	2.09%	1.23%	2.01%	1.45%	1.44%	1.02%	2.10%	1.30%		
METAL	Other Metal	6	2.45%	3.07%	2.26%	2.48%	2.96%	2.98%	2.03%	2.88%	0.80%	2.83%	1.58%	2.53%	3.58%	4.33%	3.09%	3.19%	1.94%	3.32%		
<b>METAL Total</b>			<b>5.50%</b>	<b>5.09%</b>	<b>5.46%</b>	<b>3.89%</b>	<b>6.08%</b>	<b>4.96%</b>	<b>5.90%</b>	<b>5.61%</b>	<b>3.80%</b>	<b>4.58%</b>	<b>4.71%</b>	<b>4.44%</b>	<b>6.39%</b>	<b>6.69%</b>	<b>5.43%</b>	<b>4.93%</b>	<b>5.35%</b>	<b>5.34%</b>		
YARD	Grass/Leaves		5.96%	4.36%	3.93%	1.29%	6.59%	2.57%	0.25%	1.48%	4.08%	2.54%	2.52%	4.24%	4.28%	4.61%	12.56%	8.55%	7.41%	7.77%		
YARD	Brush/Prunings/Stumps		0.28%	1.01%	0.59%	0.26%	0.07%	0.74%	0.00%	0.02%	0.00%	1.13%	0.10%	1.05%	0.13%	0.23%	0.41%	2.73%	0.55%	1.56%		
<b>YARD Total</b>			<b>6.24%</b>	<b>5.38%</b>	<b>4.52%</b>	<b>1.55%</b>	<b>6.66%</b>	<b>3.31%</b>	<b>0.25%</b>	<b>1.49%</b>	<b>4.08%</b>	<b>3.67%</b>	<b>2.62%</b>	<b>5.30%</b>	<b>4.41%</b>	<b>4.84%</b>	<b>12.97%</b>	<b>11.28%</b>	<b>7.96%</b>	<b>9.33%</b>		
ORGANIC	Lumber		2.25%	1.76%	1.64%	0.52%	0.74%	1.85%	2.57%	1.27%	2.90%	1.81%	3.84%	1.65%	3.68%	2.19%	1.61%	2.45%	2.32%	2.44%		
ORGANIC	Textiles		4.72%	5.40%	4.11%	3.26%	5.07%	5.78%	7.46%	6.68%	4.25%	3.33%	5.67%	4.98%	4.81%	6.47%	2.51%	5.28%	3.66%	6.39%		
ORGANIC	Rubber		0.32%	0.26%	0.14%	0.27%	0.06%	0.23%	0.04%	0.19%	0.00%	0.19%	0.07%	0.22%	0.17%	0.27%	0.92%	0.40%	0.10%	0.16%		
ORGANIC	Fines	5	2.26%	2.96%	2.08%	2.55%	1.86%	2.97%	2.81%	3.70%	2.11%	2.41%	2.09%	2.74%	2.46%	3.41%	1.97%	2.50%	2.15%	3.29%		
ORGANIC	Diapers		3.49%	3.37%	2.90%	2.20%	1.91%	3.16%	4.41%	4.39%	4.40%	3.36%	3.70%	3.33%	3.59%	3.96%	3.06%	2.65%	3.10%	4.17%		
ORGANIC	Food Waste		14.34%	18.81%	10.94%	11.95%	11.50%	19.73%	16.11%	25.22%	14.04%	16.02%	15.58%	21.14%	15.82%	20.88%	13.61%	14.63%	13.00%	18.02%		
ORGANIC	Miscellaneous Organic		8.26%	2.32%	5.65%	1.77%	5.96%	2.04%	9.47%	2.06%	7.51%	4.28%	7.41%	2.28%	11.08%	2.34%	7.97%	2.20%	7.34%	3.32%		
<b>ORGANIC Total</b>			<b>35.64%</b>	<b>34.89%</b>	<b>27.46%</b>	<b>22.52%</b>	<b>27.10%</b>	<b>35.76%</b>	<b>42.87%</b>	<b>43.51%</b>	<b>35.21%</b>	<b>31.40%</b>	<b>38.36%</b>	<b>36.34%</b>	<b>41.61%</b>	<b>39.53%</b>	<b>31.65%</b>	<b>30.10%</b>	<b>31.67%</b>	<b>37.79%</b>		

**Table 1-84**  
**Waste Composition, Fall 2004 vs. Fall 1989, Residential Results Excluding Bulk <sup>(11)</sup> (continued)**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income			
			Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004	Fall 1989	Fall 2004
			INORGANIC/HHW	Non-Bulk Ceramics		0.22%	0.41%	0.02%	0.07%	0.09%	0.44%	0.05%	0.31%	0.07%	0.54%	0.10%	0.32%	0.35%	0.58%	0.42%	0.61%	0.13%
INORGANIC/HHW	Miscellaneous Inorganics	5	1.65%	3.39%	0.30%	1.97%	1.73%	2.98%	2.99%	2.44%	1.35%	1.61%	2.20%	4.18%	2.50%	5.62%	0.44%	3.17%	2.97%	3.82%		
INORGANIC/HHW	Pesticides		0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.00%	0.01%	0.00%	0.01%	0.00%	0.01%		
INORGANIC/HHW	Paints/Solvents/Fuel		0.06%	0.12%	0.02%	0.11%	0.43%	0.03%	0.43%	0.04%	0.01%	0.10%	0.05%	0.13%	0.02%	0.08%	0.01%	0.22%	0.08%	0.27%		
INORGANIC/HHW	Dry Cell Batteries		0.02%	0.07%	0.03%	0.03%	0.02%	0.12%	0.01%	0.09%	0.01%	0.08%	0.01%	0.06%	0.03%	0.11%	0.01%	0.06%	0.03%	0.04%		
INORGANIC/HHW	Car Batteries		0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
INORGANIC/HHW	Medical Waste		0.00%	0.04%	0.01%	0.03%	0.02%	0.03%	0.02%	0.06%	0.02%	0.07%	0.01%	0.04%	0.01%	0.03%	0.00%	0.02%	0.00%	0.02%		
INORGANIC/HHW	Miscellaneous HHW	7	0.04%	0.03%	0.00%	0.02%	0.02%	0.05%	0.00%	0.03%	0.01%	0.02%	0.01%	0.02%	0.03%	0.05%	0.00%	0.05%	0.11%	0.04%		
<b>INORGANIC/HHW Total</b>			<b>2.01%</b>	<b>4.07%</b>	<b>0.38%</b>	<b>2.23%</b>	<b>2.31%</b>	<b>3.65%</b>	<b>3.50%</b>	<b>2.98%</b>	<b>1.47%</b>	<b>2.42%</b>	<b>2.62%</b>	<b>4.75%</b>	<b>2.94%</b>	<b>6.48%</b>	<b>0.88%</b>	<b>4.13%</b>	<b>3.32%</b>	<b>4.58%</b>		
APPL/ELECT.	Appliances and Electronics	8	0.00%	0.77%	0.00%	0.53%	0.00%	0.84%	0.00%	0.71%	0.00%	0.52%	0.00%	1.01%	0.00%	0.72%	0.00%	0.72%	0.00%	1.02%		
<b>APPL/ELECT. Total</b>			<b>0.00%</b>	<b>0.77%</b>	<b>0.00%</b>	<b>0.53%</b>	<b>0.00%</b>	<b>0.84%</b>	<b>0.00%</b>	<b>0.71%</b>	<b>0.00%</b>	<b>0.52%</b>	<b>0.00%</b>	<b>1.01%</b>	<b>0.00%</b>	<b>0.72%</b>	<b>0.00%</b>	<b>0.72%</b>	<b>0.00%</b>	<b>1.02%</b>		
<b>GRAND TOTAL</b>			<b>99.98%</b>	<b>100.00%</b>	<b>99.98%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>99.96%</b>	<b>100.00%</b>	<b>100.01%</b>	<b>100.00%</b>	<b>100.01%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>99.98%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>		

Percent of Waste that is Designated as Recyclable Material 10 48.71% 35.01% 58.25% 51.57% 55.24% 34.88% 43.89% 29.83% 50.81% 44.99% 48.29% 32.22% 43.02% 30.48% 49.89% 34.95% 49.97% 28.21%

- For 1989 data, unless otherwise indicated in these footnotes, Material Groups, Material Categories, and Citywide percentage figures are as reported in Volume 2, Exhibit 8-1 (page 8-4) of the OMD version of the DSNY Operations Planning Evaluation Control (OPEC)'s "New York City Waste Composition Study". Percentage figures by stratum, unless otherwise noted in these footnotes, are as reported in Volume 2, Exhibits 3-4 through 3-12, (pages 3-6 through 3-14), of the OMD version of the DSNY OPEC's "New York City Waste Composition Study". In some instances, indicated in these footnotes, 2004 data, Material Groups, Material Categories, and percentage figures were combined for comparison to 1989 data.
- 1989 tonnage data for "Magazines/Glossy", "Non-Corrugated Cardboard", and "Mixed" categories of paper have been combined and labeled "Other Paper". For clarity in comparison to the 2004 tonnage data, a similar category, also labeled "Other Paper", has been created with the 2004 data, combining "Mixed Low Grade Paper", "Paper Bags", "Polycoated Containers", "Compostable/Soiled/Waxed OCC", "Single Use Paper Plates, Cups" and "Other Nonrecyclable Paper".
- 1989 tonnage data for Clear and Green "PET" plastic have been combined for clarity of comparison.
- 1989 tonnage data for "Miscellaneous Glass" does not include mixed cullet. 2004 "Miscellaneous Glass" tonnage data includes "Mixed Cullet" and "Miscellaneous Glass".
- 1989 data includes mixed cullet in "Fines" and "Miscellaneous Inorganics". 2004 data does not.
- 2004 "Other Metal" data combines "Empty Aerosol Cans", "Other Ferrous", "Other Non-Ferrous", "Mixed Metals", "Appliances-Ferrous", and "Appliances-Non-Ferrous" to correspond with 1989's "Other Metal" ("Other Ferrous Metal" in the 1989 OPEC report).
- 1989 tonnage data for "Non-Pesticide Poisons" has been added to "Miscellaneous HHW" tonnage total.
- This category was not assessed in 1989.
- In some cases, the 1989 percentage figures do not add up to exactly 100% due to rounding.
- This is the sum of designated Paper, Metal, Glass, Plastic and Beverage Cartons in all Waste (Refuse + Recycling). For 1989 data, this includes all Paper and Metal, as well as Container Glass and HDPE/PET bottles/jugs. Because some paper that is not designated recyclable (issue, waxed, coated) was included in the 1989 "Mixed" paper category, it cannot now be excluded when calculating the sum of designated paper. Thus, 1989 figures overcount designated recyclable paper. For 2004 data, totals reflect designated recyclable materials only.
- Results are presented here excluding bulk items because Volume 2 of the New York City Waste Composition Study, 1989-1990, OMD Version presented strata-specified results without bulk.

**Table 1-85**  
**Waste Composition, Winter 2005 vs. Winter 1990, Residential Results Excluding Bulk <sup>(11)</sup>**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income			
			Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005
			PAPER	Corrugated/Kraft		5.27%	2.51%	4.82%	2.08%	4.03%	2.26%	5.70%	2.37%	4.91%	2.50%	4.82%	2.55%	5.63%	2.84%	5.48%	2.92%	5.65%
PAPER	Newsprint		8.28%	8.10%	13.80%	11.76%	15.57%	9.08%	7.38%	5.14%	11.08%	10.45%	9.16%	8.43%	8.47%	5.24%	6.07%	10.11%	9.18%	5.80%		
PAPER	Office/Computer Paper		0.46%	1.04%	0.58%	2.10%	1.50%	1.13%	0.25%	1.23%	0.11%	1.31%	0.32%	0.54%	0.17%	0.69%	0.36%	0.87%	1.27%	0.62%		
PAPER	Other Paper	2	17.73%	19.80%	20.99%	29.55%	23.43%	19.44%	14.66%	15.53%	20.95%	23.04%	19.80%	18.35%	17.22%	15.73%	17.25%	21.77%	18.69%	17.43%		
PAPER	Books/Phone Books		0.42%	1.09%	0.55%	1.79%	0.31%	1.93%	0.40%	0.45%	0.24%	3.97%	0.29%	0.75%	0.49%	1.20%	0.49%	0.67%	0.41%	0.44%		
<b>PAPER Total</b>			<b>32.16%</b>	<b>32.54%</b>	<b>40.74%</b>	<b>47.27%</b>	<b>44.84%</b>	<b>33.84%</b>	<b>28.39%</b>	<b>24.71%</b>	<b>37.29%</b>	<b>41.27%</b>	<b>34.39%</b>	<b>30.63%</b>	<b>31.98%</b>	<b>25.70%</b>	<b>29.65%</b>	<b>36.34%</b>	<b>35.20%</b>	<b>26.46%</b>		
PLASTIC	Clear HDPE Containers		0.54%	0.50%	0.46%	0.33%	0.39%	0.58%	0.84%	0.63%	0.56%	0.25%	0.72%	0.62%	0.53%	0.33%	0.41%	0.56%	0.46%			
PLASTIC	Colored HDPE Containers		0.62%	0.53%	0.58%	0.47%	0.60%	0.54%	0.76%	0.51%	0.51%	0.49%	0.65%	0.60%	0.63%	0.48%	0.54%	0.59%	0.63%	0.47%		
PLASTIC	LDPE		0.05%	0.01%	0.05%	0.00%	0.06%	0.02%	0.08%	0.01%	0.03%	0.00%	0.08%	0.01%	0.03%	0.01%	0.02%	0.00%	0.11%	0.00%		
PLASTIC	Films/Bags		5.05%	7.96%	5.99%	8.28%	7.13%	9.39%	5.26%	9.10%	6.54%	6.54%	5.62%	7.96%	5.81%	8.61%	4.04%	6.12%	5.06%	7.28%		
PLASTIC	PET Containers	3	0.63%	1.39%	0.69%	1.29%	0.65%	1.23%	0.72%	1.61%	0.61%	1.08%	0.80%	1.31%	0.73%	1.47%	0.48%	1.40%	0.65%	1.32%		
PLASTIC	PVC		0.11%	0.02%	0.10%	0.05%	0.19%	0.01%	0.25%	0.01%	0.06%	0.02%	0.12%	0.01%	0.08%	0.02%	0.03%	0.04%	0.11%	0.03%		
PLASTIC	Polypropylene		0.08%	0.20%	0.04%	0.22%	0.08%	0.23%	0.16%	0.19%	0.03%	0.25%	0.09%	0.20%	0.06%	0.14%	0.05%	0.22%	0.09%	0.21%		
PLASTIC	Polystyrene		0.98%	0.81%	0.85%	0.72%	1.25%	0.87%	0.88%	0.87%	0.98%	0.87%	1.14%	0.78%	0.96%	0.85%	0.96%	0.79%	0.97%	0.83%		
PLASTIC	Miscellaneous Plastic		1.09%	3.24%	0.96%	2.84%	1.04%	2.91%	1.46%	3.36%	1.48%	2.58%	1.26%	2.90%	1.05%	3.34%	0.74%	3.96%	1.36%	3.18%		
<b>PLASTIC Total</b>			<b>9.15%</b>	<b>14.66%</b>	<b>9.72%</b>	<b>14.21%</b>	<b>11.39%</b>	<b>15.80%</b>	<b>10.41%</b>	<b>16.29%</b>	<b>10.80%</b>	<b>12.08%</b>	<b>10.48%</b>	<b>14.39%</b>	<b>9.97%</b>	<b>15.44%</b>	<b>7.19%</b>	<b>13.53%</b>	<b>9.54%</b>	<b>13.78%</b>		
GLASS	Clear Glass		3.51%	1.73%	2.72%	1.20%	3.04%	1.54%	4.46%	1.94%	4.13%	1.90%	4.45%	1.54%	2.57%	2.08%	3.12%	1.82%	3.06%	1.91%		
GLASS	Green Glass		1.17%	0.65%	0.66%	1.58%	0.91%	0.60%	1.51%	0.42%	0.68%	1.73%	1.35%	0.49%	1.06%	0.36%	1.18%	0.43%	0.98%	0.42%		
GLASS	Brown Glass		0.96%	0.41%	0.62%	0.35%	0.83%	0.29%	1.54%	0.51%	0.72%	0.59%	1.01%	0.51%	0.72%	0.42%	0.84%	0.30%	0.77%	0.30%		
GLASS	Miscellaneous Glass	4	0.05%	2.00%	0.01%	2.96%	0.02%	1.92%	0.00%	1.70%	0.09%	2.46%	0.21%	2.40%	0.12%	1.64%	0.05%	1.57%	0.03%	1.60%		
<b>GLASS Total</b>			<b>5.69%</b>	<b>4.80%</b>	<b>4.01%</b>	<b>6.08%</b>	<b>4.80%</b>	<b>4.35%</b>	<b>7.51%</b>	<b>4.57%</b>	<b>5.62%</b>	<b>6.67%</b>	<b>7.02%</b>	<b>4.94%</b>	<b>4.47%</b>	<b>4.51%</b>	<b>5.19%</b>	<b>4.11%</b>	<b>4.84%</b>	<b>4.22%</b>		
METAL	Aluminum Beverage Cans		0.37%	0.24%	0.44%	0.29%	0.37%	0.23%	0.41%	0.23%	0.32%	0.14%	0.43%	0.20%	0.53%	0.20%	0.28%	0.30%	0.38%	0.23%		
METAL	Aluminum Food Containers/Foil		0.56%	0.54%	0.64%	0.46%	0.53%	0.50%	0.47%	0.56%	0.66%	0.55%	0.73%	0.49%	0.51%	0.57%	0.52%	0.61%	0.56%	0.47%		
METAL	Miscellaneous Aluminum		0.04%	0.02%	0.02%	0.01%	0.02%	0.00%	0.00%	0.01%	0.07%	0.02%	0.00%	0.05%	0.03%	0.00%	0.07%	0.02%	0.10%	0.05%		
METAL	Metal Food Containers		2.32%	1.39%	2.79%	0.78%	2.02%	1.42%	2.99%	1.80%	2.36%	1.14%	2.53%	1.48%	2.19%	1.55%	1.78%	1.24%	2.53%	1.42%		
METAL	Other Metal	6	2.22%	2.88%	1.32%	2.97%	1.70%	2.61%	2.31%	3.38%	3.10%	2.35%	1.98%	2.31%	1.97%	3.52%	2.39%	2.53%	2.26%	3.21%		
<b>METAL Total</b>			<b>5.51%</b>	<b>5.06%</b>	<b>5.21%</b>	<b>4.50%</b>	<b>4.64%</b>	<b>4.76%</b>	<b>6.18%</b>	<b>5.98%</b>	<b>6.51%</b>	<b>4.19%</b>	<b>5.67%</b>	<b>4.53%</b>	<b>5.23%</b>	<b>5.84%</b>	<b>5.04%</b>	<b>4.70%</b>	<b>5.83%</b>	<b>5.38%</b>		
YARD	Grass/Leaves		7.59%	0.94%	4.10%	0.18%	0.70%	0.66%	0.60%	0.26%	0.64%	1.23%	1.08%	0.47%	1.67%	0.73%	19.15%	2.61%	1.81%	1.58%		
YARD	Brush/Prunings/Stumps		0.77%	0.42%	1.12%	0.83%	1.16%	0.21%	0.02%	0.17%	0.31%	0.62%	0.71%	0.08%	0.28%	0.14%	0.89%	0.82%	0.24%	0.89%		
<b>YARD Total</b>			<b>8.36%</b>	<b>1.36%</b>	<b>5.22%</b>	<b>1.01%</b>	<b>1.86%</b>	<b>0.87%</b>	<b>0.62%</b>	<b>0.43%</b>	<b>0.95%</b>	<b>1.85%</b>	<b>1.79%</b>	<b>0.55%</b>	<b>1.95%</b>	<b>0.86%</b>	<b>20.04%</b>	<b>3.43%</b>	<b>2.05%</b>	<b>2.47%</b>		
ORGANIC	Lumber		2.09%	1.74%	1.24%	1.08%	1.48%	2.25%	1.30%	2.08%	1.69%	1.42%	1.74%	1.28%	2.30%	2.38%	3.30%	1.24%	0.89%	3.19%		
ORGANIC	Textiles		5.08%	4.95%	3.96%	2.82%	3.63%	4.92%	5.45%	6.24%	3.84%	3.23%	4.73%	5.16%	4.52%	5.53%	5.63%	4.55%	5.43%	6.10%		
ORGANIC	Rubber		0.06%	0.21%	0.00%	0.11%	0.06%	0.17%	0.12%	0.27%	0.00%	0.25%	0.07%	0.22%	0.07%	0.28%	0.02%	0.16%	0.10%	0.14%		
ORGANIC	Fines	5	2.33%	3.63%	2.20%	2.66%	1.87%	3.74%	2.21%	4.43%	2.32%	3.64%	2.07%	3.30%	2.49%	4.28%	2.34%	3.09%	2.97%	4.26%		
ORGANIC	Diapers		4.34%	3.52%	2.59%	2.28%	2.86%	3.17%	6.02%	4.05%	4.25%	3.09%	5.07%	3.66%	3.69%	3.86%	3.93%	3.46%	4.20%	4.27%		
ORGANIC	Food Waste		13.82%	20.68%	12.21%	12.57%	14.05%	20.86%	18.05%	24.81%	15.87%	15.46%	16.49%	23.76%	16.86%	23.41%	9.61%	18.09%	14.19%	21.65%		
ORGANIC	Miscellaneous Organic		8.72%	2.94%	8.41%	2.69%	6.99%	2.09%	11.22%	2.00%	7.62%	4.08%	7.14%	2.79%	14.21%	3.23%	6.55%	3.75%	9.03%	3.81%		
<b>ORGANIC Total</b>			<b>36.44%</b>	<b>37.66%</b>	<b>30.61%</b>	<b>24.22%</b>	<b>30.94%</b>	<b>37.20%</b>	<b>44.37%</b>	<b>43.88%</b>	<b>35.59%</b>	<b>31.17%</b>	<b>37.31%</b>	<b>40.16%</b>	<b>44.14%</b>	<b>42.97%</b>	<b>31.38%</b>	<b>34.34%</b>	<b>36.81%</b>	<b>43.42%</b>		

**Table 1-85**  
**Waste Composition, Winter 2005 vs. Winter 1990, Residential Results Excluding Bulk <sup>(11)</sup> (continued)**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income			
			Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005	Winter 1990	Winter 2005
			INORGANIC/HHW	Non-Bulk Ceramics		0.27%	0.49%	0.07%	0.20%	0.26%	0.22%	0.62%	0.67%	0.18%	0.21%	0.30%	0.67%	0.10%	0.42%	0.07%	0.57%	0.40%
INORGANIC/HHW	Miscellaneous Inorganics	5	2.06%	2.66%	4.16%	1.74%	1.13%	2.19%	1.31%	2.72%	2.78%	1.77%	2.82%	3.01%	2.03%	3.77%	1.23%	2.23%	5.17%	3.32%		
INORGANIC/HHW	Pesticides		0.00%	0.01%	0.01%	0.00%	0.00%	0.02%	0.00%	0.03%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%		
INORGANIC/HHW	Paints/Solvents/Fuel		0.14%	0.08%	0.00%	0.10%	0.09%	0.12%	0.53%	0.04%	0.13%	0.04%	0.06%	0.22%	0.00%	0.02%	0.06%	0.03%	0.07%	0.02%		
INORGANIC/HHW	Dry Cell Batteries		0.02%	0.09%	0.03%	0.05%	0.01%	0.11%	0.02%	0.10%	0.01%	0.10%	0.04%	0.12%	0.06%	0.10%	0.01%	0.05%	0.04%	0.08%		
INORGANIC/HHW	Car Batteries		0.01%	0.00%	0.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
INORGANIC/HHW	Medical Waste		0.02%	0.03%	0.01%	0.02%	0.02%	0.05%	0.02%	0.05%	0.03%	0.02%	0.02%	0.02%	0.02%	0.01%	0.03%	0.04%	0.02%	0.02%		
INORGANIC/HHW	Miscellaneous HHW	7	0.08%	0.04%	0.05%	0.01%	0.02%	0.03%	0.01%	0.06%	0.12%	0.08%	0.09%	0.01%	0.04%	0.01%	0.15%	0.09%	0.01%	0.02%		
<b>INORGANIC/HHW Total</b>			<b>2.60%</b>	<b>3.40%</b>	<b>4.51%</b>	<b>2.12%</b>	<b>1.53%</b>	<b>2.75%</b>	<b>2.51%</b>	<b>3.67%</b>	<b>3.25%</b>	<b>2.22%</b>	<b>3.33%</b>	<b>4.07%</b>	<b>2.25%</b>	<b>4.33%</b>	<b>1.55%</b>	<b>3.02%</b>	<b>5.71%</b>	<b>3.96%</b>		
APPL/ELECT.	Appliances and Electronics	8	0.00%	0.52%	0.00%	0.58%	0.00%	0.43%	0.00%	0.47%	0.00%	0.54%	0.00%	0.73%	0.00%	0.34%	0.00%	0.53%	0.00%	0.32%		
<b>APPL/ELECT. Total</b>			<b>0.00%</b>	<b>0.52%</b>	<b>0.00%</b>	<b>0.58%</b>	<b>0.00%</b>	<b>0.43%</b>	<b>0.00%</b>	<b>0.47%</b>	<b>0.00%</b>	<b>0.54%</b>	<b>0.00%</b>	<b>0.73%</b>	<b>0.00%</b>	<b>0.34%</b>	<b>0.00%</b>	<b>0.53%</b>	<b>0.00%</b>	<b>0.32%</b>		
<b>GRAND TOTAL</b>			<b>99.91%</b>	<b>100.00%</b>	<b>100.02%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>	<b>100.01%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>	<b>100.04%</b>	<b>100.00%</b>	<b>99.98%</b>	<b>100.00%</b>		

Percent of Waste that is Designated as Recyclable Material 10 45.10% 37.87% 51.68% 52.96% 55.90% 38.89% 44.40% 31.63% 51.01% 46.56% 49.04% 35.83% 43.54% 32.41% 41.18% 39.29% 47.68% 30.91%

1. For 1990 data, unless otherwise indicated in these footnotes, Material Groups, Material Categories, and Citywide percentage figures are as reported in Volume 2, Exhibit 8-1 (page 8-4) of the OMD version of the DSNY Operations Planning Evaluation Control (OPEC)'s "New York City Waste Composition Study". Percentage figures by stratum, unless otherwise noted in these footnotes, are as reported in Volume 2, Exhibits 4-4 through 4-12, (pages 4-6 through 4-14), of the OMD version of the DSNY OPEC's "New York City Waste Composition Study". In some instances, indicated in these footnotes, 2005 data, Material Groups, Material Categories, and percentage figures were combined for comparison to 1990 data.

2. 1990 tonnage data for "Magazines/Glossy", "Non-Corrugated Cardboard", and "Mixed" categories of paper have been combined and labeled "Other Paper". For clarity in comparison to the 2005 tonnage data, a similar category, also labeled "Other Paper", has been created with the 2005 data, combining "Mixed Low Grade Paper", "Paper Bags", "Polycoated Containers", "Compostable/Soiled/Waxed OCC", "Single Use Paper Plates, Cups" and "Other Nonrecyclable Paper".

3. 1990 tonnage data for Clear and Green "PET" plastic have been combined for clarity of comparison.

4. 1990 tonnage data for "Miscellaneous Glass" does not include mixed cullet. 2005 "Miscellaneous Glass" tonnage data includes "Mixed Cullet" and "Miscellaneous Glass".

5. 1990 data includes mixed cullet in "Fines" and "Miscellaneous Inorganics". 2005 data does not.

6. 2005 "Other Metal" data combines "Empty Aerosol Cans", "Other Ferrous", "Other Non-Ferrous", "Mixed Metals", "Appliances-Ferrous", and "Appliances-Non-Ferrous" to correspond with 1990's "Other Metal" ("Other Ferrous Metal" in the 1990 OPEC report).

7. 1990 tonnage data for "Non-Pesticide Poisons" has been added to "Miscellaneous HHW" tonnage total.

8. This category was not assessed in 1990.

9. In some cases, the 1990 percentage figures do not add up to exactly 100% due to rounding.

10. This is the sum of designated Paper, Metal, Glass, Plastic and Beverage Cartons in all Waste (Refuse + Recycling). For 1990 data, this includes all Paper and Metal, as well as Container Glass and HDPE/PET bottles/jugs. Because some paper that is not designated recyclable (tissue, waxed, coated) was included in the 1990 "Mixed" paper category, it cannot now be excluded when calculating the sum of designated paper. Thus, 1990 figures overcount designated recyclable paper. For 2005 data, totals reflect designated recyclable materials only.

11. Results are presented here excluding bulk because Volume 2 of the New York City Waste Composition Study, 1989-1990, OMD Version presented strata-specified results without bulk.

**Table 1-86**  
**Waste Composition, Spring 2005 vs. Spring 1990, Residential Results Excluding Bulk <sup>(1)</sup>**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income			
			Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005
			PAPER	Corrugated/Kraft		4.81%	1.98%	4.10%	3.06%	4.83%	1.73%	4.32%	2.24%	5.97%	2.33%	3.86%	2.06%	6.59%	2.24%	4.91%	1.22%	4.44%
PAPER	Newsprint		8.39%	7.72%	14.96%	15.25%	13.41%	8.61%	5.02%	5.42%	11.72%	11.24%	7.88%	6.39%	6.03%	6.53%	8.55%	7.11%	9.09%	5.01%		
PAPER	Office/Computer Paper		0.23%	0.92%	0.57%	1.66%	0.48%	0.54%	0.17%	0.61%	0.34%	2.03%	0.20%	1.33%	0.26%	0.56%	0.06%	0.67%	0.52%	0.53%		
PAPER	Other Paper	2	17.52%	17.55%	20.74%	24.88%	22.73%	18.54%	17.67%	14.57%	15.27%	22.82%	15.97%	17.40%	18.25%	15.36%	16.01%	16.61%	18.27%	15.55%		
PAPER	Books/Phone Books		0.54%	0.74%	1.60%	0.99%	0.56%	0.73%	0.97%	0.45%	0.41%	0.75%	0.51%	0.79%	0.29%	0.87%	0.18%	0.75%	0.69%	0.65%		
<b>PAPER Total</b>			<b>31.49%</b>	<b>28.91%</b>	<b>41.97%</b>	<b>45.83%</b>	<b>42.01%</b>	<b>30.16%</b>	<b>28.15%</b>	<b>23.29%</b>	<b>33.71%</b>	<b>39.17%</b>	<b>28.42%</b>	<b>27.96%</b>	<b>31.42%</b>	<b>25.56%</b>	<b>29.71%</b>	<b>26.36%</b>	<b>33.01%</b>	<b>22.99%</b>		
PLASTIC	Clear HDPE Containers		0.47%	0.44%	0.51%	0.27%	0.38%	0.52%	0.60%	0.63%	0.40%	0.25%	0.49%	0.57%	0.47%	0.36%	0.30%	0.50%	0.39%			
PLASTIC	Colored HDPE Containers		0.57%	0.49%	0.61%	0.41%	0.48%	0.47%	0.58%	0.58%	0.48%	0.39%	0.57%	0.45%	0.70%	0.63%	0.53%	0.48%	0.62%	0.46%		
PLASTIC	LDPE		0.08%	0.02%	0.11%	0.12%	0.08%	0.00%	0.12%	0.01%	0.01%	0.01%	0.06%	0.00%	0.12%	0.01%	0.03%	0.01%	0.17%	0.01%		
PLASTIC	Films/Bags		5.03%	8.18%	6.28%	7.81%	5.72%	9.84%	5.80%	10.56%	5.21%	6.69%	5.40%	8.91%	5.02%	9.21%	4.26%	5.54%	4.67%	6.73%		
PLASTIC	PET Containers	3	0.56%	1.18%	0.61%	1.24%	0.41%	1.09%	0.62%	1.35%	0.69%	0.99%	0.70%	1.14%	0.60%	1.47%	0.41%	0.96%	0.64%	1.19%		
PLASTIC	PVC		0.12%	0.01%	0.13%	0.01%	0.08%	0.03%	0.16%	0.02%	0.06%	0.03%	0.10%	0.02%	0.15%	0.01%	0.11%	0.01%	0.08%	0.01%		
PLASTIC	Polypropylene		0.13%	0.18%	0.20%	0.21%	0.11%	0.22%	0.22%	0.18%	0.08%	0.23%	0.12%	0.16%	0.09%	0.13%	0.06%	0.15%	0.26%	0.22%		
PLASTIC	Polystyrene		0.93%	0.78%	0.98%	0.80%	1.32%	0.84%	0.76%	1.01%	0.95%	0.64%	1.09%	0.77%	0.93%	0.74%	0.73%	0.69%	1.42%	0.63%		
PLASTIC	Miscellaneous Plastic		1.27%	3.21%	0.92%	2.89%	0.95%	3.89%	0.92%	3.14%	1.55%	3.30%	1.03%	3.32%	1.14%	3.12%	1.87%	3.01%	0.60%	3.66%		
<b>PLASTIC Total</b>			<b>9.16%</b>	<b>14.50%</b>	<b>10.35%</b>	<b>13.76%</b>	<b>9.53%</b>	<b>16.90%</b>	<b>9.78%</b>	<b>17.48%</b>	<b>9.43%</b>	<b>12.53%</b>	<b>9.56%</b>	<b>15.34%</b>	<b>9.32%</b>	<b>15.80%</b>	<b>8.36%</b>	<b>11.14%</b>	<b>8.96%</b>	<b>13.29%</b>		
GLASS	Clear Glass		3.52%	2.90%	2.90%	0.96%	2.70%	1.20%	4.19%	1.53%	3.78%	1.48%	3.48%	1.44%	3.01%	2.40%	3.32%	1.47%	3.53%	1.59%		
GLASS	Green Glass		1.05%	0.55%	0.62%	1.38%	0.71%	0.46%	1.61%	0.34%	0.80%	1.24%	0.92%	0.40%	1.18%	0.36%	0.88%	0.42%	0.91%	0.41%		
GLASS	Brown Glass		0.94%	0.32%	0.65%	0.29%	0.53%	0.18%	1.23%	0.49%	0.75%	0.44%	0.67%	0.25%	1.02%	0.37%	0.88%	0.23%	1.22%	0.34%		
GLASS	Miscellaneous Glass	4	0.17%	2.09%	0.16%	3.24%	0.43%	1.84%	0.23%	1.68%	0.73%	2.92%	0.19%	2.77%	0.12%	2.05%	0.03%	1.28%	0.20%	1.78%		
<b>GLASS Total</b>			<b>5.68%</b>	<b>4.49%</b>	<b>4.33%</b>	<b>5.86%</b>	<b>4.37%</b>	<b>3.69%</b>	<b>7.26%</b>	<b>4.04%</b>	<b>6.06%</b>	<b>6.08%</b>	<b>5.26%</b>	<b>4.86%</b>	<b>5.33%</b>	<b>5.17%</b>	<b>5.11%</b>	<b>3.39%</b>	<b>5.86%</b>	<b>4.12%</b>		
METAL	Aluminum Beverage Cans		0.31%	0.18%	0.30%	0.17%	0.25%	0.21%	0.26%	0.23%	0.27%	0.15%	0.31%	0.16%	0.36%	0.22%	0.33%	0.13%	0.32%	0.17%		
METAL	Aluminum Food Containers/Foil		0.50%	0.59%	0.55%	0.54%	0.49%	0.61%	0.40%	0.60%	0.49%	0.53%	0.48%	0.63%	0.52%	0.65%	0.52%	0.53%	0.54%	0.64%		
METAL	Miscellaneous Aluminum		0.04%	0.06%	0.00%	0.01%	0.03%	0.06%	0.06%	0.05%	0.13%	0.05%	0.04%	0.04%	0.02%	0.05%	0.02%	0.09%	0.02%	0.09%		
METAL	Metal Food Containers		2.09%	1.30%	2.08%	0.72%	2.19%	1.28%	2.45%	1.89%	2.11%	0.90%	2.05%	1.34%	2.03%	1.78%	1.66%	0.94%	2.81%	1.17%		
METAL	Other Metal	6	2.78%	2.81%	0.95%	2.58%	1.90%	2.53%	1.87%	3.08%	3.48%	2.27%	2.31%	3.03%	2.39%	2.25%	4.28%	2.86%	2.41%	3.61%		
<b>METAL Total</b>			<b>5.72%</b>	<b>4.93%</b>	<b>3.88%</b>	<b>4.03%</b>	<b>4.86%</b>	<b>4.68%</b>	<b>5.04%</b>	<b>5.85%</b>	<b>6.48%</b>	<b>3.90%</b>	<b>5.19%</b>	<b>5.19%</b>	<b>5.32%</b>	<b>4.95%</b>	<b>6.81%</b>	<b>4.55%</b>	<b>6.10%</b>	<b>5.68%</b>		
YARD	Grass/Leaves		2.79%	5.01%	2.59%	2.13%	1.91%	3.06%	0.61%	0.50%	1.25%	2.77%	2.07%	2.45%	0.52%	1.43%	5.80%	13.79%	1.01%	10.14%		
YARD	Brush/Prunings/Stumps		1.32%	0.77%	0.34%	0.52%	1.17%	0.20%	0.05%	0.12%	0.15%	0.77%	0.83%	0.53%	0.61%	0.25%	3.03%	1.92%	0.82%	1.33%		
<b>YARD Total</b>			<b>4.11%</b>	<b>5.78%</b>	<b>2.93%</b>	<b>2.65%</b>	<b>3.08%</b>	<b>3.26%</b>	<b>0.66%</b>	<b>0.62%</b>	<b>1.40%</b>	<b>3.54%</b>	<b>2.90%</b>	<b>2.98%</b>	<b>1.13%</b>	<b>1.68%</b>	<b>8.83%</b>	<b>15.71%</b>	<b>1.83%</b>	<b>11.47%</b>		
ORGANIC	Lumber		3.63%	2.00%	1.30%	1.68%	2.41%	1.21%	3.76%	1.75%	3.00%	1.41%	4.52%	1.97%	3.89%	1.34%	4.14%	2.95%	3.64%	2.68%		
ORGANIC	Textiles		5.31%	5.59%	5.31%	3.15%	4.61%	5.51%	6.27%	6.82%	6.04%	3.34%	6.06%	6.46%	5.27%	6.74%	4.93%	5.14%	4.71%	5.18%		
ORGANIC	Rubber		0.21%	0.31%	0.02%	0.19%	0.08%	0.27%	0.61%	0.53%	0.07%	0.15%	0.09%	0.29%	0.16%	0.15%	0.03%	0.42%	0.55%	0.20%		
ORGANIC	Fines	5	2.98%	4.69%	2.70%	3.84%	3.36%	4.67%	2.93%	5.95%	2.35%	3.93%	2.74%	4.38%	3.31%	5.71%	2.96%	3.88%	3.01%	4.93%		
ORGANIC	Diapers		3.80%	3.16%	2.86%	2.46%	2.73%	3.08%	4.49%	4.03%	4.87%	2.38%	4.33%	3.14%	2.73%	3.60%	3.81%	2.60%	3.90%	3.77%		
ORGANIC	Food Waste		14.87%	18.33%	12.50%	11.85%	12.01%	21.45%	20.28%	23.34%	14.93%	14.32%	15.38%	20.79%	17.99%	21.94%	11.80%	13.69%	14.25%	17.95%		
ORGANIC	Miscellaneous Organic		9.12%	2.31%	6.59%	2.02%	9.19%	1.64%	7.29%	1.57%	6.59%	4.70%	8.29%	1.55%	8.24%	2.89%	11.35%	2.85%	9.22%	2.72%		
<b>ORGANIC Total</b>			<b>39.92%</b>	<b>36.39%</b>	<b>31.28%</b>	<b>25.18%</b>	<b>34.39%</b>	<b>37.83%</b>	<b>45.63%</b>	<b>44.00%</b>	<b>37.85%</b>	<b>30.24%</b>	<b>41.41%</b>	<b>38.57%</b>	<b>41.59%</b>	<b>42.39%</b>	<b>39.02%</b>	<b>31.52%</b>	<b>39.28%</b>	<b>37.44%</b>		

**Table 1-86**  
**Waste Composition, Spring 2005 vs. Spring 1990, Residential Results Excluding Bulk <sup>(11)</sup> (continued)**

1990 Material Group <sup>(1)</sup>	1990 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income			
			Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005	Spring 1990	Spring 2005
			<b>ORGANIC Total</b>			<b>39.92%</b>	<b>36.39%</b>	<b>31.28%</b>	<b>25.18%</b>	<b>34.39%</b>	<b>37.83%</b>	<b>45.63%</b>	<b>44.00%</b>	<b>37.85%</b>	<b>30.24%</b>	<b>41.41%</b>	<b>38.57%</b>	<b>41.59%</b>	<b>42.39%</b>	<b>39.02%</b>	<b>31.52%</b>	<b>39.28%</b>
INORGANIC/HHW	Non-Bulk Ceramics		0.22%	0.41%	0.12%	0.41%	0.10%	0.44%	0.73%	0.27%	0.43%	0.42%	0.25%	0.31%	0.06%	0.51%	0.05%	0.52%	0.11%	0.36%		
INORGANIC/HHW	Miscellaneous Inorganics	5	3.16%	3.87%	4.98%	1.78%	1.34%	2.27%	2.45%	3.74%	4.45%	3.63%	6.64%	4.03%	5.39%	2.93%	1.25%	6.07%	4.03%	4.07%		
INORGANIC/HHW	Pesticides		0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%	0.03%	0.00%	0.00%	0.00%		
INORGANIC/HHW	Paints/Solvents/Fuel		0.13%	0.05%	0.05%	0.08%	0.16%	0.00%	0.14%	0.00%	0.09%	0.01%	0.25%	0.12%	0.01%	0.12%	0.09%	0.00%	0.23%	0.03%		
INORGANIC/HHW	Dry Cell Batteries		0.02%	0.06%	0.01%	0.02%	0.01%	0.05%	0.02%	0.07%	0.02%	0.04%	0.03%	0.05%	0.02%	0.10%	0.04%	0.05%	0.01%	0.05%		
INORGANIC/HHW	Car Batteries		0.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.27%	0.00%		
INORGANIC/HHW	Medical Waste		0.03%	0.06%	0.03%	0.01%	0.01%	0.01%	0.02%	0.23%	0.02%	0.02%	0.02%	0.02%	0.02%	0.06%	0.02%	0.01%	0.13%	0.03%		
INORGANIC/HHW	Miscellaneous HHW	7	0.15%	0.05%	0.10%	0.04%	0.15%	0.04%	0.13%	0.04%	0.04%	0.01%	0.05%	0.09%	0.37%	0.03%	0.13%	0.08%	0.16%	0.02%		
<b>INORGANIC/HHW Total</b>			<b>3.92%</b>	<b>4.50%</b>	<b>5.30%</b>	<b>2.34%</b>	<b>1.77%</b>	<b>2.81%</b>	<b>3.49%</b>	<b>4.36%</b>	<b>5.05%</b>	<b>4.15%</b>	<b>7.25%</b>	<b>4.62%</b>	<b>5.88%</b>	<b>3.74%</b>	<b>1.65%</b>	<b>6.74%</b>	<b>4.94%</b>	<b>4.55%</b>		
APPL/ELECT.	Appliances and Electronics	8	0.00%	0.50%	0.00%	0.34%	0.00%	0.68%	0.00%	0.36%	0.00%	0.40%	0.00%	0.47%	0.00%	0.71%	0.00%	0.57%	0.00%	0.46%		
<b>APPL/ELECT. Total</b>			<b>0.00%</b>	<b>0.50%</b>	<b>0.00%</b>	<b>0.34%</b>	<b>0.00%</b>	<b>0.68%</b>	<b>0.00%</b>	<b>0.36%</b>	<b>0.00%</b>	<b>0.40%</b>	<b>0.00%</b>	<b>0.47%</b>	<b>0.00%</b>	<b>0.71%</b>	<b>0.00%</b>	<b>0.57%</b>	<b>0.00%</b>	<b>0.46%</b>		
<b>GRAND TOTAL</b>		9	<b>100.00%</b>	<b>100.00%</b>	<b>100.04%</b>	<b>100.00%</b>	<b>100.01%</b>	<b>100.00%</b>	<b>100.01%</b>	<b>100.00%</b>	<b>99.98%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>	<b>99.49%</b>	<b>100.00%</b>	<b>99.98%</b>	<b>100.00%</b>		

Percent of Waste that is Designated as Recyclable Material 10 44.32% 33.82% 51.75% 50.72% 52.08% 33.45% 42.02% 29.89% 47.09% 43.16% 40.44% 32.98% 43.82% 32.38% 42.90% 29.45% 46.53% 27.76%

- For 1990 data, unless otherwise indicated in these footnotes, Material Groups, Material Categories, and Citywide percentage figures are as reported in Volume 2, Exhibit 8-1 (page 8-4) of the OMD version of the DSNY Operations Planning Evaluation Control (OPEC)'s "New York City Waste Composition Study". Percentage figures by stratum, unless otherwise noted in these footnotes, are as reported in Volume 2, Exhibits 5-4 through 5-12, (pages 5-6 through 5-14), of the OMD version of the DSNY OPEC's "New York City Waste Composition Study". In some instances, indicated in these footnotes, 2005 data, Material Groups, Material Categories, and percentage figures were combined for comparison to 1990 data.
- 1990 tonnage data for "Magazines/Glossy", "Non-Corrugated Cardboard", and "Mixed" categories of paper have been combined and labeled "Other Paper". For clarity in comparison to the 2005 tonnage data, a similar category, also labeled "Other Paper", has been created with the 2005 data, combining "Mixed Low Grade Paper", "Paper Bags", "Polycoated Containers", "Compostable/Soiled/Waxed OCC", "Single Use Paper Plates, Cups" and "Other Nonrecyclable Paper".
- 1990 tonnage data for Clear and Green "PET" plastic have been combined for clarity of comparison.
- 1990 tonnage data for "Miscellaneous Glass" does not include mixed cullet. 2005 "Miscellaneous Glass" tonnage data includes "Mixed Cullet" and "Miscellaneous Glass".
- 1990 data includes mixed cullet in "Fines" and "Miscellaneous Inorganics". 2005 data does not.
- 2005 "Other Metal" data combines "Empty Aerosol Cans", "Other Ferrous", "Other Non-Ferrous", "Mixed Metals", "Appliances-Ferrous", and "Appliances-Non-Ferrous" to correspond with 1990's "Other Metal" ("Other Ferrous Metal" in the 1990 OPEC report).
- 1990 tonnage data for "Non-Pesticide Poisons" has been added to "Miscellaneous HHW" tonnage total.
- This category was not assessed in 1990.
- In some cases, the 1990 percentage figures do not add up to exactly 100% due to rounding.
- This is the sum of designated Paper, Metal, Glass, Plastic and Beverage Cartons in all Waste (Refuse + Recycling). For 1990 data, this includes all Paper and Metal, as well as Container Glass and HDPE/PET bottles/jugs. Because some paper that is not designated recyclable (tissue, waxed, coated) was included in the 1990 "Mixed" paper category, it cannot now be excluded when calculating the sum of designated paper. Thus, 1990 figures overcount designated recyclable paper. For 2005 data, totals reflect designated recyclable materials only.
- Results are presented here excluding bulk items because Volume 2 of the New York City Waste Composition Study, 1989-1990, OMD Version presented strata-specified results without bulk.

**Table 1-87**  
**Waste Composition, Summer 2005 vs. Summer 1989, Residential Results Excluding Bulk <sup>(1)</sup>**

1989 Material Group <sup>(1)</sup>	1989 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income			
			Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005
			PAPER	Corrugated/Kraft		5.02%	2.01%	5.16%	2.10%	5.41%	1.91%	6.03%	2.21%	5.44%	2.39%	4.84%	2.03%	4.91%	2.32%	4.51%	1.68%	4.89%
PAPER	Newsprint		9.48%	7.46%	12.64%	14.64%	17.36%	9.24%	7.58%	5.07%	9.54%	10.67%	10.17%	6.78%	6.70%	4.77%	9.17%	7.40%	10.43%	5.07%		
PAPER	Office/Computer Paper		1.51%	0.90%	2.14%	1.68%	1.52%	1.27%	0.73%	0.58%	1.79%	1.40%	1.36%	0.51%	1.04%	1.04%	1.95%	0.83%	1.86%	0.70%		
PAPER	Other Paper	2	15.17%	19.36%	16.02%	26.99%	16.71%	19.32%	13.46%	16.30%	14.09%	24.61%	14.80%	18.19%	13.63%	16.71%	10.05%	20.53%	16.65%	16.04%		
PAPER	Books/Phone Books		1.18%	1.23%	0.43%	0.85%	4.08%	1.11%	1.28%	0.88%	0.96%	1.10%	1.64%	2.55%	0.81%	0.63%	2.95%	1.18%	0.78%	0.92%		
<b>PAPER Total</b>			<b>32.36%</b>	<b>30.95%</b>	<b>36.39%</b>	<b>46.25%</b>	<b>45.08%</b>	<b>32.85%</b>	<b>29.08%</b>	<b>25.04%</b>	<b>31.82%</b>	<b>40.17%</b>	<b>32.81%</b>	<b>30.07%</b>	<b>27.09%</b>	<b>25.47%</b>	<b>28.63%</b>	<b>31.61%</b>	<b>34.61%</b>	<b>24.30%</b>		
PLASTIC	Clear HDPE Containers		0.57%	0.50%	0.67%	0.45%	0.41%	0.53%	0.58%	0.66%	0.72%	0.23%	0.63%	0.67%	0.50%	0.52%	0.56%	0.35%	0.59%	0.36%		
PLASTIC	Colored HDPE Containers		0.69%	0.51%	1.05%	0.51%	0.93%	0.50%	0.78%	0.64%	0.64%	0.38%	0.67%	0.46%	0.78%	0.45%	0.51%	0.52%	0.83%	0.45%		
PLASTIC	LDPE		0.23%	0.01%	0.13%	0.00%	0.13%	0.01%	0.26%	0.01%	0.36%	0.01%	0.32%	0.00%	0.20%	0.01%	0.22%	0.01%	0.14%	0.00%		
PLASTIC	Films/Bags		5.05%	7.89%	6.90%	7.83%	6.28%	8.88%	6.31%	9.49%	4.88%	6.40%	5.28%	8.43%	5.15%	8.23%	3.72%	6.15%	5.29%	7.12%		
PLASTIC	PET Containers	3	0.60%	1.50%	0.74%	1.42%	0.60%	1.49%	0.74%	1.55%	0.63%	1.18%	0.74%	1.52%	0.56%	1.94%	0.43%	1.37%	0.77%	1.28%		
PLASTIC	PVC		0.15%	0.03%	0.15%	0.02%	0.17%	0.04%	0.10%	0.02%	0.16%	0.02%	0.23%	0.02%	0.15%	0.06%	0.12%	0.03%	0.24%	0.05%		
PLASTIC	Polypropylene		0.16%	0.24%	0.14%	0.33%	0.25%	0.22%	0.26%	0.24%	0.12%	0.31%	0.12%	0.22%	0.09%	0.25%	0.13%	0.16%	0.12%	0.27%		
PLASTIC	Polystyrene		0.86%	0.89%	0.00%	0.92%	0.00%	0.93%	0.00%	0.88%	0.00%	0.85%	0.00%	0.94%	0.00%	0.99%	0.00%	0.76%	0.00%	0.84%		
PLASTIC	Miscellaneous Plastic		1.59%	3.58%	2.24%	3.73%	1.93%	4.36%	2.54%	3.47%	2.48%	3.14%	2.13%	3.17%	2.15%	3.55%	2.51%	3.59%	3.27%	4.06%		
<b>PLASTIC Total</b>			<b>9.90%</b>	<b>15.13%</b>	<b>12.02%</b>	<b>15.22%</b>	<b>10.70%</b>	<b>16.97%</b>	<b>11.57%</b>	<b>16.95%</b>	<b>9.99%</b>	<b>12.50%</b>	<b>10.12%</b>	<b>15.42%</b>	<b>9.58%</b>	<b>16.01%</b>	<b>8.20%</b>	<b>12.94%</b>	<b>11.25%</b>	<b>14.43%</b>		
GLASS	Clear Glass		3.20%	1.90%	2.04%	1.64%	2.41%	1.53%	3.27%	2.25%	4.05%	1.69%	3.71%	1.74%	2.59%	2.51%	3.23%	1.76%	3.26%	1.70%		
GLASS	Green Glass		1.18%	0.61%	0.95%	1.36%	0.87%	0.53%	1.59%	0.48%	1.21%	1.05%	1.31%	0.49%	1.38%	0.57%	0.98%	0.45%	0.93%	0.40%		
GLASS	Brown Glass		0.97%	0.49%	0.72%	0.47%	0.58%	0.32%	1.24%	0.53%	1.27%	0.55%	1.21%	0.62%	1.08%	0.63%	0.75%	0.34%	0.83%	0.38%		
GLASS	Miscellaneous Glass	4	0.47%	2.53%	0.41%	3.50%	0.65%	2.38%	0.91%	2.56%	0.12%	3.08%	0.26%	2.82%	0.36%	2.29%	0.26%	1.82%	0.79%	2.55%		
<b>GLASS Total</b>			<b>5.82%</b>	<b>5.53%</b>	<b>4.12%</b>	<b>6.97%</b>	<b>4.51%</b>	<b>4.76%</b>	<b>7.01%</b>	<b>5.82%</b>	<b>6.65%</b>	<b>6.37%</b>	<b>6.49%</b>	<b>5.66%</b>	<b>5.41%</b>	<b>5.99%</b>	<b>5.22%</b>	<b>4.37%</b>	<b>5.81%</b>	<b>5.02%</b>		
METAL	Aluminum Beverage Cans		0.35%	0.30%	0.31%	0.25%	0.44%	0.27%	0.35%	0.43%	0.43%	0.17%	0.37%	0.26%	0.29%	0.31%	0.37%	0.29%	0.31%	0.24%		
METAL	Aluminum Food Containers/Foil		0.46%	0.63%	0.91%	0.59%	0.37%	0.54%	0.61%	0.59%	0.36%	0.59%	0.40%	0.66%	0.44%	0.73%	0.33%	0.65%	0.57%	0.60%		
METAL	Miscellaneous Aluminum		0.21%	0.07%	0.27%	0.04%	0.17%	0.06%	0.29%	0.03%	0.13%	0.04%	0.36%	0.09%	0.27%	0.04%	0.06%	0.06%	0.31%	0.28%		
METAL	Metal Food Containers		1.97%	1.14%	2.36%	0.80%	2.06%	1.11%	2.28%	1.64%	2.00%	0.80%	2.09%	1.31%	1.64%	1.22%	1.74%	0.89%	1.90%	0.93%		
METAL	Other Metal	6	1.94%	2.46%	1.26%	1.98%	0.79%	2.31%	2.76%	2.38%	2.24%	3.27%	2.04%	2.40%	3.86%	2.36%	1.10%	2.34%	2.09%	3.77%		
<b>METAL Total</b>			<b>4.93%</b>	<b>4.61%</b>	<b>5.11%</b>	<b>3.66%</b>	<b>3.83%</b>	<b>4.29%</b>	<b>6.29%</b>	<b>5.06%</b>	<b>5.16%</b>	<b>4.88%</b>	<b>5.26%</b>	<b>4.72%</b>	<b>6.50%</b>	<b>4.66%</b>	<b>3.60%</b>	<b>4.23%</b>	<b>5.18%</b>	<b>5.82%</b>		
YARD	Grass/Leaves		2.80%	3.25%	1.04%	0.44%	0.05%	2.74%	0.04%	0.77%	4.71%	1.87%	1.49%	2.08%	1.10%	1.82%	5.74%	8.12%	2.20%	6.26%		
YARD	Brush/Prunings/Stumps		1.86%	0.78%	0.02%	0.28%	0.02%	0.29%	0.02%	0.11%	0.85%	1.14%	0.40%	0.32%	1.68%	1.18%	4.79%	1.72%	0.73%	1.07%		
<b>YARD Total</b>			<b>4.66%</b>	<b>4.03%</b>	<b>1.06%</b>	<b>0.72%</b>	<b>0.07%</b>	<b>3.03%</b>	<b>0.06%</b>	<b>0.87%</b>	<b>4.96%</b>	<b>3.02%</b>	<b>1.89%</b>	<b>2.40%</b>	<b>2.78%</b>	<b>3.01%</b>	<b>10.53%</b>	<b>9.84%</b>	<b>2.93%</b>	<b>7.33%</b>		
ORGANIC	Lumber		2.87%	1.62%	0.94%	0.83%	2.19%	1.06%	3.27%	1.03%	1.83%	1.05%	2.46%	1.34%	4.43%	1.83%	3.28%	2.47%	2.11%	2.97%		
ORGANIC	Textiles		6.71%	6.16%	6.38%	4.50%	4.04%	6.21%	8.61%	9.14%	5.82%	3.51%	6.59%	5.85%	8.22%	6.90%	6.37%	4.80%	4.20%	6.53%		
ORGANIC	Rubber		0.22%	0.24%	0.07%	0.17%	0.03%	0.22%	0.30%	0.21%	0.02%	0.23%	0.17%	0.29%	0.07%	0.40%	0.31%	0.19%	0.41%	0.16%		
ORGANIC	Fines	5	2.49%	3.93%	3.77%	3.12%	2.80%	3.58%	3.37%	4.08%	1.70%	3.15%	1.84%	3.90%	2.08%	5.62%	2.01%	3.33%	3.04%	4.26%		
ORGANIC	Diapers		3.84%	3.44%	3.29%	2.85%	3.11%	3.05%	4.22%	3.94%	2.25%	2.99%	2.92%	4.00%	3.66%	3.52%	4.36%	3.05%	3.06%	3.38%		
ORGANIC	Food Waste		14.18%	16.85%	11.03%	9.88%	10.40%	17.47%	12.96%	22.04%	20.75%	12.90%	18.87%	18.98%	14.78%	17.84%	12.86%	15.12%	15.28%	15.11%		
ORGANIC	Miscellaneous Organic		9.35%	2.99%	14.71%	3.60%	10.96%	2.62%	10.05%	1.91%	6.53%	4.05%	9.83%	2.96%	8.11%	3.71%	9.40%	2.89%	8.30%	3.31%		
<b>ORGANIC Total</b>			<b>39.66%</b>	<b>35.22%</b>	<b>40.19%</b>	<b>24.95%</b>	<b>33.53%</b>	<b>34.22%</b>	<b>42.78%</b>	<b>42.35%</b>	<b>40.90%</b>	<b>27.89%</b>	<b>42.68%</b>	<b>37.33%</b>	<b>41.35%</b>	<b>39.81%</b>	<b>38.59%</b>	<b>31.85%</b>	<b>36.40%</b>	<b>35.72%</b>		

**Table 1-87**  
**Waste Composition, Summer 2005 vs. Summer 1989, Residential Results Excluding Bulk <sup>(11)</sup> (continued)**

1989 Material Group <sup>(1)</sup>	1989 Material Category <sup>(1)</sup>	NOTES	Citywide		High Density / High Income		High Density / Medium Income		High Density / Low Income		Medium Density / High Income		Medium Density / Medium Income		Medium Density / Low Income		Low Density / High Income		Low Density / Medium Income	
			Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005	Summer 1989	Summer 2005
			INORGANIC/HHW	Non-Bulk Ceramics		0.05%	0.45%	0.03%	0.22%	0.19%	0.34%	0.02%	0.33%	0.04%	0.81%	0.02%	0.36%	0.08%	0.26%	0.06%
INORGANIC/HHW	Miscellaneous Inorganics	5	2.24%	2.99%	0.86%	1.12%	1.76%	2.64%	2.67%	2.55%	0.38%	2.59%	0.56%	2.99%	6.83%	3.28%	0.85%	3.59%	3.73%	5.18%
INORGANIC/HHW	Pesticides		0.02%	0.01%	0.01%	0.01%	0.04%	0.00%	2.70%	0.01%	0.02%	0.00%	0.03%	0.01%	0.01%	0.00%	0.03%	0.00%	0.00%	0.00%
INORGANIC/HHW	Paints/Solvents/Fuel		0.04%	0.07%	0.04%	0.02%	0.01%	0.05%	0.06%	0.05%	0.00%	0.12%	0.02%	0.08%	0.06%	0.02%	0.03%	0.08%	0.01%	0.24%
INORGANIC/HHW	Dry Cell Batteries		0.05%	0.08%	0.03%	0.09%	0.04%	0.10%	0.05%	0.07%	0.01%	0.07%	0.03%	0.07%	0.14%	0.11%	0.05%	0.06%	0.01%	0.04%
INORGANIC/HHW	Car Batteries		0.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.29%	0.00%	0.00%	0.00%
INORGANIC/HHW	Medical Waste		0.01%	0.08%	0.00%	0.18%	0.03%	0.05%	0.02%	0.09%	0.03%	0.02%	0.02%	0.11%	0.00%	0.07%	0.01%	0.02%	0.00%	0.04%
INORGANIC/HHW	Miscellaneous HHW	7	0.19%	0.05%	0.13%	0.02%	0.21%	0.01%	0.26%	0.16%	0.06%	0.02%	0.11%	0.03%	0.16%	0.03%	0.23%	0.01%	0.07%	0.05%
<b>INORGANIC/HHW Total</b>			<b>2.69%</b>	<b>3.71%</b>	<b>1.10%</b>	<b>1.66%</b>	<b>2.28%</b>	<b>3.21%</b>	<b>5.78%</b>	<b>3.25%</b>	<b>0.54%</b>	<b>3.64%</b>	<b>0.79%</b>	<b>3.64%</b>	<b>7.28%</b>	<b>3.76%</b>	<b>1.55%</b>	<b>4.53%</b>	<b>3.82%</b>	<b>6.21%</b>
APPL/ELECT.	Appliances and Electronics	8	0.00%	0.83%	0.00%	0.57%	0.00%	0.68%	0.00%	0.64%	0.00%	1.54%	0.00%	0.76%	0.00%	1.30%	0.00%	0.64%	0.00%	1.17%
<b>APPL/ELECT. Total</b>			<b>0.00%</b>	<b>0.83%</b>	<b>0.00%</b>	<b>0.57%</b>	<b>0.00%</b>	<b>0.68%</b>	<b>0.00%</b>	<b>0.64%</b>	<b>0.00%</b>	<b>1.54%</b>	<b>0.00%</b>	<b>0.76%</b>	<b>0.00%</b>	<b>1.30%</b>	<b>0.00%</b>	<b>0.64%</b>	<b>0.00%</b>	<b>1.17%</b>
<b>GRAND TOTAL</b>			<b>9</b>	<b>100.02%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>102.57%</b>	<b>100.00%</b>	<b>100.02%</b>	<b>100.00%</b>	<b>100.04%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>	<b>96.32%</b>	<b>100.00%</b>	<b>100.00%</b>

Percent of Waste that is Designated as Recyclable Material 10 44.50% 36.34% 47.67% 51.79% 54.71% 37.36% 43.57% 32.58% 45.50% 46.28% 46.34% 34.88% 40.48% 32.84% 38.69% 34.55% 47.00% 29.52%

- For 1989 data, unless otherwise indicated in these footnotes, Material Groups, Material Categories, and Citywide percentage figures are as reported in Volume 2, Exhibit 8-1 (page 8-4) of the OMD version of the DSNY Operations Planning Evaluation Control (OPEC)'s "New York City Waste Composition Study". Percentage figures by stratum, unless otherwise noted in these footnotes, are as reported in Volume 2, Exhibits 2-4 through 2-12, (pages 2-7 through 2-15), of the OMD version of the DSNY OPEC's "New York City Waste Composition Study". In some instances, indicated in these footnotes, 2005 data, Material Groups, Material Categories, and percentage figures were combined for comparison to 1989 data.
- 1989 tonnage data for "Magazines/Glossy", "Non-Corrugated Cardboard", and "Mixed" categories of paper have been combined and labeled "Other Paper". For clarity in comparison to the 2005 tonnage data, a similar category, also labeled "Other Paper", has been created with the 2005 data, combining "Mixed Low Grade Paper", "Paper Bags", "Polycoated Containers", "Compostable/Soiled/Waxed OCC", "Single Use Paper Plates, Cups" and "Other Nonrecyclable Paper".
- 1989 tonnage data for Clear and Green "PET" plastic have been combined for clarity of comparison.
- 1989 tonnage data for "Miscellaneous Glass" does not include mixed cullet. 2005 "Miscellaneous Glass" tonnage data includes "Mixed Cullet" and "Miscellaneous Glass".
- 1989 data includes mixed cullet in "Fines" and "Miscellaneous Inorganics". 2005 data does not.
- 2005 "Other Metal" data combines "Empty Aerosol Cans", "Other Ferrous", "Other Non-Ferrous", "Mixed Metals", "Appliances-Ferrous", and "Appliances-Non-Ferrous" to correspond with 1989's "Other Metal" ("Other Ferrous Metal" in the 1989 OPEC report).
- 1989 tonnage data for "Non-Pesticide Poisons" has been added to "Miscellaneous HHW" tonnage total.
- This category was not assessed in 1989.
- In some cases, the 1989 percentage figures do not add up to exactly 100% due to rounding.
- This is the sum of designated Paper, Metal, Glass, Plastic and Beverage Cartons in all Waste (Refuse + Recycling). For 1989 data, this includes all Paper and Metal, as well as Container Glass and HDPE/PET bottles/jugs. Because some paper that is not designated recyclable (tissue, waxed, coated) was included in the 1989 "Mixed" paper category, it cannot now be excluded when calculating the sum of designated paper. Thus, 1989 figures overcount designated recyclable paper. For 2005 data, totals reflect designated recyclable materials only.
- Results are presented here excluding bulk items because Volume 2 of the New York City Waste Composition Study, 1989-1990, OMD Version presented strata-specified results without bulk.

### 3.4 Details on Results without Bulk

The results of the WCS included Bulk Items that were acquired as a part of the samples. However, the 1989/1990 Study specifically excluded bulk waste. Therefore, in order to make comparisons between the WCS and the 1989/1990 Study, the results of the WCS were calculated without Bulk Items. Further details on bulk composition, methodology, itemized lists and comparisons to the 1989-1990 Study can be found in Section 6, Bulk and **Durable** Results, in this Volume.

Most Bulk Items acquired in the WCS sample units were appliances and furniture. When Bulk Items are excluded from the composition calculations, the average percent composition of a particular material category changes slightly. The average percent composition of Material Categories which include Bulk Items, such as “Wood Furniture/Pieces of Furniture” or “Appliances: Ferrous” decreases when bulk is excluded. Because the sum of the percentages must add to 100 percent, percentages of materials with no bulk, such as “Paper” and “Food Waste” increase. Tables 1-88 through Table 1-93 summarize the results of the PWCS and WCS without Bulk Items.

The results without bulk are only shown for Waste, and not the other streams, because the purpose of this analysis was to compare the results of the PWCS and WCS with the 1989/1990 Study. The 1989/1990 Study did not include the sampling and sorting of Recycling because the City’s Recycling program was just getting underway.

These tables are useful for understanding the calculations for comparisons with the 1989/1990 Study (which did not include bulk calculations), and for understanding the composition of the non-bulk waste stream.

**Table 1-88  
Preliminary Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items**

Material Group	Material Subgroup	Material Category: Subcategory	Notes	% of Citywide Waste Stream	Recycling Subindicator
Paper	ONP	Newspaper		7.34%	R Paper
Paper	OCC	Plain OCC/Kraft Paper		3.29%	R Paper
Paper	Mixed Paper	High Grade Paper		1.02%	R Paper
Paper	Mixed Paper	Mixed Low Grade Paper		8.91%	R Paper
Paper	Mixed Paper	Phone Books/Paperbacks		0.83%	R Paper
Paper	Mixed Paper	Paper Bags		0.57%	R Paper
Paper	Bev Cartons	Polycoated Paper Containers		0.54%	R Bev Cartons
Paper	Compostable Paper	Compostable/Soiled Paper/Waxed OCC/Kraft		6.40%	NR_Paper
Paper	Compostable Paper	Single Use Paper Plates, Cups		0.44%	NR_Paper
Paper	Other Paper	Other Nonrecyclable Paper		0.74%	NR_Paper
<b>Paper Total</b>				<b>30.07%</b>	
Plastic	PET Bottles	PET Bottles		1.25%	R Plastics
Plastic	HDPE Bottles	HDPE Bottles: Natural		0.44%	R Plastics
Plastic	HDPE Bottles	HDPE Bottles: Colored		0.51%	R Plastics
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #1 PET		0.02%	PR_Plastics
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #2 HDPE		0.08%	PR_Plastics
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #3 PVC		0.02%	PR_Plastics
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #4 LDPE		0.01%	PR_Plastics
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #5 PP		0.23%	PR_Plastics
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #7 Other		0.07%	PR_Plastics
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #3 PVC	1	0.00%	PR_Plastics
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #4 LDPE	1	0.00%	PR_Plastics
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #5 PP	1	0.00%	PR_Plastics
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #7 Other	1	0.00%	PR_Plastics
Plastic	Other Rigid Containers/Packaging	Soda Crates and Bottle Carriers		0.06%	PR_Plastics
Plastic	Other Plastic Products	Other PVC		0.07%	NR_Plastics
Plastic	Other Rigid Containers/Packaging	Rigid Polystyrene Containers and Packaging		0.16%	PR_Plastics
Plastic	Other Rigid Containers/Packaging	Expanded Polystyrene Containers and Packaging		0.60%	PR_Plastics
Plastic	Other Rigid Containers/Packaging	Other Rigid Containers/Packaging		0.62%	PR_Plastics
Plastic	Film	Plastic Bags		2.45%	PR_Plastics
Plastic	Film	Other Film		4.66%	PR_Plastics
Plastic	Other Plastic Products	Single Use Plastic Plates, Cups, Cutlery, Etc.		0.67%	NR_Plastics
Plastic	Other Plastic Products	Other Plastics Materials		1.63%	NR_Plastics
<b>Plastic Total</b>				<b>13.56%</b>	
Glass	Container Glass	Clear Container Glass		1.59%	R Glass
Glass	Container Glass	Green Container Glass		0.52%	R Glass
Glass	Container Glass	Brown Container Glass		0.37%	R Glass
Glass	Mixed Cullet	Mixed Cullet		1.88%	R Glass
Glass	Container Glass	Other Container Glass		0.21%	R Glass
Glass	Other Glass	Other Glass	2	0.00%	PR_Glass
<b>Glass Total</b>				<b>4.57%</b>	
Metal	Aluminum	Aluminum Cans		0.22%	R Metal
Metal	Aluminum	Aluminum Foil/Containers		0.58%	R Metal
Metal	Aluminum	Other Aluminum		0.06%	R Metal
Metal	Non-Ferrous	Other Non-Ferrous		0.07%	R Metal
Metal	Ferrous	Tin Food Cans		1.26%	R Metal
Metal	Ferrous	Empty Aerosol Cans		0.15%	R Metal
Metal	Ferrous	Other Ferrous		1.72%	R Metal
Metal	Other Metal	Mixed Metals		0.40%	R Metal
<b>Metal Total</b>				<b>4.46%</b>	

**Table 1-88**  
**Preliminary Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (continued)**

Material Group	Material Subgroup	Material Category: Subcategory	Notes	% of Citywide Waste Stream	Recycling Subindicator
Organics	Yard	Leaves and Grass		5.33%	NR_Other
Organics	Yard	Prunings		2.53%	NR_Other
Organics	Wood	Stumps/Limbs		0.46%	NR_Other
Organics	Food	Food		13.69%	NR_Other
Organics	Wood	Wood Furniture/Furniture Pieces	3	0.00%	NR_Other
Organics	Wood	Non-C&D Untreated Wood		0.12%	NR_Other
Organics	Textiles	Non-Clothing Textiles		1.47%	NR_Other
Organics	Textiles	Clothing Textiles		3.15%	NR_Other
Organics	Textiles	Carpet/Upholstery		0.95%	NR_Other
Organics	Diapers/Hygiene	Disposable Diapers and Sanitary Products		3.25%	NR_Other
Organics	Misc. Organic	Animal By-Products		1.06%	NR_Other
Organics	Misc. Organic	Rubber Products		0.27%	NR_Other
Organics	Textiles	Shoes		0.58%	NR_Other
Organics	Textiles	Other Leather Products		0.02%	NR_Other
Organics	Misc. Organic	Fines		3.69%	NR_Other
Organics	Textiles	Upholstered or Other Organic-Type Furniture	3	0.00%	NR_Other
Organics	Misc. Organic	Miscellaneous Organics		3.37%	NR_Other
<b>Organics Total</b>				<b>39.96%</b>	
Appliance/Electronic	Ferrous	Appliances: Ferrous	4	0.00%	R Metal
Appliance/Electronic	Non-Ferrous	Appliances: Non-Ferrous	5	0.00%	R Metal
Appliance/Electronic	Household Appliance - Plastic	Appliances: Plastic		0.30%	NR_Other
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Cell Phones		0.00%	NR_Other
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Other		0.21%	NR_Other
Appliance/Electronic	Electronic/AV/Computer	Computer Monitors		0.04%	NR_Other
Appliance/Electronic	Electronic/AV/Computer	Televisions		0.08%	NR_Other
Appliance/Electronic	Electronic/AV/Computer	Other Computer Equipment		0.18%	NR_Other
<b>Appliance/Electronic Total</b>				<b>0.83%</b>	
C & D Debris	Wood	Untreated Dimension Lumber, Pallets, Crates		0.29%	NR_Other
C & D Debris	Wood	Treated/Contaminated Wood		2.41%	NR_Other
C & D Debris	Inorganic C&D	Gypsum Scrap		0.98%	NR_Other
C & D Debris	Inorganic C&D	Rock/Concrete/Bricks		0.51%	NR_Other
C & D Debris	Inorganic C&D	Other Construction Debris		1.39%	NR_Other
<b>C &amp; D Debris Total</b>				<b>5.59%</b>	
Miscellaneous Inorganics	Misc. Inorganic	Miscellaneous Inorganics		0.22%	NR_Other
Miscellaneous Inorganics	Misc. Inorganic	Ceramics		0.36%	NR_Other
<b>Miscellaneous Inorganics Total</b>				<b>0.58%</b>	
HHW	HHW	Oil Filters		0.00%	NR_Other
HHW	HHW	Antifreeze		0.00%	NR_Other
HHW	HHW	Wet-Cell Batteries		0.06%	NR_Other
HHW	HHW	Gasoline/Kerosene/Motor Oil/Diesel Fuel		0.00%	NR_Other
HHW	HHW	Latex Paints/Water-Based Adhesives/Glues		0.09%	NR_Other
HHW	HHW	Oil-Based Paints/Solvent-Based Adhesives/Glues		0.06%	NR_Other
HHW	HHW	Pesticides/Herbicides/Rodenticides		0.00%	NR_Other
HHW	HHW	Dry-Cell Batteries		0.06%	NR_Other
HHW	HHW	Fluorescent Tubes		0.00%	NR_Other
HHW	HHW	Mercury-Laden Wastes		0.00%	NR_Other
HHW	HHW	Compressed Gas Cylinders, Fire Extinguishers		0.00%	NR_Other
HHW	HHW	Home Medical Products		0.03%	NR_Other
HHW	HHW	Other Potentially Harmful Wastes		0.07%	NR_Other
<b>HHW Total</b>				<b>0.39%</b>	
<b>Grand Total</b>				<b>100.00%</b>	

Table 1-88

Preliminary Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (*continued*)

## SUBTOTALS BY RECYCLING DESIGNATION

Recycling Designation	% of Waste Stream
<b>Designated Paper</b>	<b>21.95%</b>
Designated Beverage Cartons	0.54%
Designated Plastic	2.20%
Designated Metal	4.46%
Designated Glass	4.57%
<b>Designated MGP Subtotal</b>	<b>11.76%</b>
Potentially Designated Plastic	8.99%
Potentially Designated Glass	0.00%
<b>Potentially Designated Materials Subtotal</b>	<b>8.99%</b>
Nondesignated Paper	7.58%
Nondesignated Plastic	2.37%
Other Nondesignated	47.35%
<b>Nondesignated Materials Subtotal</b>	<b>57.29%</b>
<b>Designated for Recycling Total</b>	<b>33.71%</b>
<b>Potentially or Not Designated for Recycling Total</b>	<b>66.29%</b>

AVERAGE WEEKLY GENERATION TONNAGE <sup>(6)</sup>

Material Group	Waste
Paper Total <sup>(7)</sup>	14,900.57
Plastic Total <sup>(7)</sup>	6,721.45
Glass Total <sup>(7)</sup>	2,264.26
Metal Total <sup>(8)</sup>	2,208.25
Organics Total	19,802.82
Appliance/Electronic Total	409.46
C & D Debris Total	2,768.73
Miscellaneous Inorganics Total	289.21
HHW Total	193.53
<b>Grand Total</b>	<b>49,558.29</b>

(1) In the PWCS, no distinction was made between #3 through #7 plastic bottles and tubs. PWCS results are shown here in the #3 through #7 bottle categories.

(2) In the PWCS, "Other Container Glass" was grouped with "Other Glass," and is shown here in the "Other Container Glass" category.

(3) In the PWCS, furniture and parts of furniture did not have their own categories. They were included in wood, textiles, or miscellaneous organic categories.

(4) In the PWCS, there was no category for "Appliances: Ferrous." PWCS results are shown here in the "Other Ferrous" category.

(5) In the PWCS, there was no category for "Appliances: Non-Ferrous." PWCS results are shown here in the "Other Non-Ferrous" category.

(6) Tonnage values calculated using DSNY average weekly curbside waste tonnages over the period of May and June 2004 less the percentage of bulk items as determined in the study. More detail on how and why tonnages from this period were used to estimate generation can be found in Section 2.2.6 in Volume 2.

(7) The paper, plastic, and glass tonnages include the weight of materials both designated and non-designated for recycling.

(8) The metal tonnages do not include the weight of metals found within the appliance/electronic material group.

For further information about revisions to the Material Sort Categories, refer to Section 3 of this Volume, Tables 1-87 and 1-88.

**Table 1-89**  
**Housing Density and Income Details, Fall 2004 Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items**

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Paper	ONP	Newspaper	7.60%	R Paper	12.68%	7.90%	6.18%	11.04%	5.83%	4.93%	9.08%	5.34%
Paper	OCC	Plain OCC/Kraft Paper	3.10%	R Paper	4.25%	3.01%	1.90%	2.61%	3.93%	2.95%	3.13%	2.32%
Paper	Mixed Paper	High Grade Paper	0.90%	R Paper	1.25%	1.01%	0.57%	1.67%	1.24%	0.77%	0.62%	0.58%
Paper	Mixed Paper	Mixed Low Grade Paper	10.27%	R Paper	18.36%	10.37%	7.47%	15.94%	9.26%	7.02%	10.33%	7.96%
Paper	Mixed Paper	Phone Books/Paperbacks	0.81%	R Paper	2.01%	1.07%	0.63%	0.84%	0.47%	0.81%	0.48%	0.60%
Paper	Mixed Paper	Paper Bags	0.59%	R Paper	1.26%	0.53%	0.54%	0.76%	0.57%	0.43%	0.43%	0.33%
Paper	Bev Cartons	Polycoated Paper Containers	0.51%	R Bev Cartons	0.62%	0.57%	0.57%	0.63%	0.56%	0.49%	0.37%	0.37%
Paper	Compostable Paper	Compostable/Soiled Paper/Waxed OCC/Kraft	7.09%	NR_Paper	8.65%	6.99%	7.67%	5.94%	7.05%	5.77%	6.97%	7.00%
Paper	Compostable Paper	Single Use Paper Plates, Cups	0.48%	NR_Paper	0.65%	0.49%	0.27%	0.49%	0.39%	0.25%	0.73%	0.65%
Paper	Other Paper	Other Nonrecyclable Paper	0.62%	NR_Paper	0.55%	0.73%	0.60%	0.90%	0.63%	0.51%	0.68%	0.56%
<b>Paper Total</b>			<b>31.97%</b>		<b>50.28%</b>	<b>32.67%</b>	<b>26.40%</b>	<b>40.81%</b>	<b>29.93%</b>	<b>23.92%</b>	<b>32.80%</b>	<b>25.71%</b>
Plastic	PET Bottles	PET Bottles	1.06%	R Plastics	1.14%	0.98%	1.19%	0.84%	1.02%	1.14%	0.98%	1.05%
Plastic	HDPE Bottles	HDPE Bottles: Natural	0.49%	R Plastics	0.22%	0.46%	0.61%	0.22%	0.47%	0.70%	0.44%	0.44%
Plastic	HDPE Bottles	HDPE Bottles: Colored	0.50%	R Plastics	0.43%	0.53%	0.57%	0.37%	0.53%	0.45%	0.52%	0.52%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #1 PET	0.01%	PR_Plastics	0.00%	0.01%	0.00%	0.00%	0.01%	0.01%	0.02%	0.00%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #2 HDPE	0.06%	PR_Plastics	0.12%	0.13%	0.02%	0.04%	0.04%	0.07%	0.03%	0.04%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #3 PVC	0.01%	PR_Plastics	0.01%	0.02%	0.01%	0.01%	0.01%	0.02%	0.01%	0.01%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #4 LDPE	0.01%	PR_Plastics	0.00%	0.00%	0.01%	0.00%	0.01%	0.01%	0.00%	0.01%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #5 PP	0.02%	PR_Plastics	0.01%	0.01%	0.02%	0.01%	0.02%	0.02%	0.02%	0.03%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #7 Other	0.06%	PR_Plastics	0.05%	0.11%	0.05%	0.05%	0.08%	0.04%	0.04%	0.05%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #3 PVC	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #4 LDPE	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #5 PP	0.18%	PR_Plastics	0.25%	0.21%	0.21%	0.21%	0.16%	0.10%	0.17%	0.14%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #7 Other	0.03%	PR_Plastics	0.04%	0.03%	0.02%	0.05%	0.03%	0.02%	0.04%	0.07%
Plastic	Other Rigid Containers/Packaging	Soda Crates and Bottle Carriers	0.01%	PR_Plastics	0.00%	0.01%	0.01%	0.04%	0.00%	0.02%	0.00%	0.00%
Plastic	Other Plastic Products	Other PVC	0.02%	NR_Plastics	0.01%	0.01%	0.02%	0.00%	0.02%	0.02%	0.04%	0.00%
Plastic	Other Rigid Containers/Packaging	Rigid Polystyrene Containers and Packaging	0.25%	PR_Plastics	0.44%	0.27%	0.25%	0.27%	0.21%	0.18%	0.23%	0.20%
Plastic	Other Rigid Containers/Packaging	Expanded Polystyrene Containers and Packaging	0.56%	PR_Plastics	0.43%	0.50%	0.70%	0.46%	0.59%	0.72%	0.43%	0.54%
Plastic	Other Rigid Containers/Packaging	Other Rigid Containers/Packaging	0.69%	PR_Plastics	1.04%	0.98%	0.57%	0.77%	0.70%	0.48%	0.61%	0.67%
Plastic	Film	Plastic Bags	2.47%	PR_Plastics	2.30%	3.25%	3.21%	1.89%	2.67%	2.35%	1.84%	2.10%
Plastic	Film	Other Film	5.02%	PR_Plastics	5.55%	5.90%	5.60%	4.29%	5.37%	4.84%	4.11%	4.33%
Plastic	Other Plastic Products	Single Use Plastic Plates, Cups, Cutlery, Etc.	0.47%	NR_Plastics	0.41%	0.38%	0.42%	0.30%	0.39%	0.51%	0.64%	0.56%
Plastic	Other Plastic Products	Other Plastics Materials	1.69%	NR_Plastics	1.01%	1.43%	1.61%	1.19%	1.89%	1.91%	2.01%	1.85%
<b>Plastic Total</b>			<b>13.62%</b>		<b>13.47%</b>	<b>15.20%</b>	<b>15.12%</b>	<b>11.02%</b>	<b>14.21%</b>	<b>13.38%</b>	<b>12.46%</b>	<b>12.62%</b>
Glass	Container Glass	Clear Container Glass	1.49%	R Glass	1.40%	1.17%	1.63%	1.33%	1.30%	1.96%	1.39%	1.56%
Glass	Container Glass	Green Container Glass	0.52%	R Glass	1.23%	0.48%	0.34%	1.17%	0.43%	0.36%	0.36%	0.29%
Glass	Container Glass	Brown Container Glass	0.40%	R Glass	0.27%	0.37%	0.58%	0.62%	0.33%	0.45%	0.30%	0.38%
Glass	Mixed Cullet	Mixed Cullet	1.64%	R Glass	2.53%	1.44%	1.42%	2.33%	1.79%	1.52%	1.30%	1.12%
Glass	Container Glass	Other Container Glass	0.03%	R Glass	0.02%	0.02%	0.01%	0.05%	0.05%	0.04%	0.04%	0.02%
Glass	Other Glass	Other Glass	0.14%	PR_Glass	0.08%	0.12%	0.17%	0.10%	0.13%	0.12%	0.18%	0.25%
<b>Glass Total</b>			<b>4.22%</b>		<b>5.53%</b>	<b>3.61%</b>	<b>4.16%</b>	<b>5.59%</b>	<b>4.02%</b>	<b>4.45%</b>	<b>3.58%</b>	<b>3.61%</b>
Metal	Aluminum	Aluminum Cans	0.18%	R Metal	0.17%	0.21%	0.23%	0.20%	0.14%	0.20%	0.16%	0.13%
Metal	Aluminum	Aluminum Foil/Containers	0.51%	R Metal	0.48%	0.43%	0.54%	0.51%	0.53%	0.55%	0.47%	0.56%
Metal	Aluminum	Other Aluminum	0.06%	R Metal	0.03%	0.06%	0.03%	0.10%	0.01%	0.16%	0.09%	0.02%
Metal	Non-Ferrous	Other Non-Ferrous	0.12%	R Metal	0.11%	0.18%	0.19%	0.11%	0.10%	0.05%	0.13%	0.16%
Metal	Ferrous	Tin Food Cans	1.27%	R Metal	0.73%	1.27%	1.93%	0.94%	1.23%	1.45%	1.02%	1.30%
Metal	Ferrous	Empty Aerosol Cans	0.15%	R Metal	0.14%	0.14%	0.20%	0.10%	0.15%	0.14%	0.14%	0.18%
Metal	Ferrous	Other Ferrous	1.67%	R Metal	1.51%	1.73%	1.22%	1.36%	1.56%	2.20%	1.79%	2.04%
Metal	Other Metal	Mixed Metals	0.64%	R Metal	0.36%	0.49%	0.60%	0.51%	0.32%	1.24%	0.80%	0.61%
<b>Metal Total</b>			<b>4.61%</b>		<b>3.54%</b>	<b>4.51%</b>	<b>4.93%</b>	<b>3.83%</b>	<b>4.04%</b>	<b>5.99%</b>	<b>4.61%</b>	<b>5.00%</b>

Table 1-89

Housing Density and Income Details, Fall 2004 Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (continued)

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Organics	Yard	Leaves and Grass	4.36%	NR_Other	1.29%	2.57%	1.48%	2.54%	4.24%	4.61%	8.55%	7.77%
Organics	Yard	Prunings	0.90%	NR_Other	0.26%	0.61%	0.02%	1.09%	0.94%	0.23%	2.36%	1.51%
Organics	Wood	Stumps/Limbs	0.11%	NR_Other	0.00%	0.13%	0.00%	0.04%	0.11%	0.00%	0.36%	0.05%
Organics	Food	Food	18.81%	NR_Other	11.95%	19.73%	25.22%	16.02%	21.14%	20.88%	14.63%	18.02%
Organics	Wood	Wood Furniture/Furniture Pieces	0.76%	NR_Other	0.54%	0.36%	0.63%	0.54%	0.69%	1.22%	0.77%	1.26%
Organics	Wood	Non-C&D Untreated Wood	0.04%	NR_Other	0.02%	0.03%	0.06%	0.07%	0.05%	0.02%	0.02%	0.06%
Organics	Textiles	Non-Clothing Textiles	1.30%	NR_Other	0.84%	1.21%	1.49%	0.92%	1.44%	1.19%	1.57%	1.15%
Organics	Textiles	Clothing Textiles	2.59%	NR_Other	1.32%	3.13%	3.98%	1.07%	2.19%	3.18%	2.19%	2.89%
Organics	Textiles	Carpet/Upholstery	0.66%	NR_Other	0.74%	0.50%	0.38%	0.60%	0.56%	0.50%	0.87%	1.45%
Organics	Diapers/Hygiene	Disposable Diapers and Sanitary Products	3.37%	NR_Other	2.20%	3.16%	4.39%	3.36%	3.33%	3.96%	2.65%	4.17%
Organics	Misc. Organic	Animal By-Products	1.05%	NR_Other	0.96%	1.22%	0.73%	2.75%	1.23%	0.74%	0.80%	1.49%
Organics	Misc. Organic	Rubber Products	0.26%	NR_Other	0.27%	0.23%	0.19%	0.19%	0.22%	0.27%	0.40%	0.16%
Organics	Textiles	Shoes	0.57%	NR_Other	0.26%	0.52%	0.61%	0.47%	0.53%	0.88%	0.46%	0.87%
Organics	Textiles	Other Leather Products	0.12%	NR_Other	0.03%	0.19%	0.15%	0.04%	0.25%	0.09%	0.07%	0.03%
Organics	Misc. Organic	Fines	2.96%	NR_Other	2.55%	2.97%	3.70%	2.41%	2.74%	3.41%	2.50%	3.29%
Organics	Textiles	Upholstered or Other Organic-Type Furniture	0.16%	NR_Other	0.07%	0.24%	0.08%	0.23%	0.00%	0.63%	0.11%	0.00%
Organics	Misc. Organic	Miscellaneous Organics	0.51%	NR_Other	0.27%	0.46%	0.70%	0.98%	0.36%	0.37%	0.63%	0.58%
<b>Organics Total</b>			<b>38.54%</b>		<b>23.56%</b>	<b>37.24%</b>	<b>43.80%</b>	<b>33.33%</b>	<b>40.04%</b>	<b>42.19%</b>	<b>38.95%</b>	<b>44.74%</b>
Appliance/Electronic	Ferrous	Appliances: Ferrous	0.44%	R Metal	0.29%	0.42%	0.64%	0.72%	0.39%	0.65%	0.26%	0.25%
Appliance/Electronic	Non-Ferrous	Appliances: Non-Ferrous	0.04%	R Metal	0.06%	0.03%	0.04%	0.02%	0.01%	0.05%	0.08%	0.08%
Appliance/Electronic	Household Appliance - Plastic	Appliances: Plastic	0.25%	NR_Other	0.19%	0.38%	0.31%	0.17%	0.18%	0.27%	0.29%	0.21%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Cell Phones	0.01%	NR_Other	0.00%	0.01%	0.02%	0.00%	0.00%	0.00%	0.00%	0.01%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Other	0.21%	NR_Other	0.09%	0.11%	0.28%	0.10%	0.27%	0.21%	0.20%	0.28%
Appliance/Electronic	Electronic/AV/Computer	Computer Monitors	0.01%	NR_Other	0.00%	0.00%	0.00%	0.12%	0.04%	0.00%	0.00%	0.00%
Appliance/Electronic	Electronic/AV/Computer	Televisions	0.09%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.24%	0.00%	0.11%	0.30%
Appliance/Electronic	Electronic/AV/Computer	Other Computer Equipment	0.20%	NR_Other	0.24%	0.35%	0.10%	0.13%	0.27%	0.23%	0.11%	0.23%
<b>Appliance/Electronic Total</b>			<b>1.25%</b>		<b>0.88%</b>	<b>1.30%</b>	<b>1.39%</b>	<b>1.26%</b>	<b>1.41%</b>	<b>1.42%</b>	<b>1.04%</b>	<b>1.35%</b>
C & D Debris	Wood	Untreated Dimension Lumber, Pallets, Crates	0.28%	NR_Other	0.07%	0.48%	0.11%	0.24%	0.10%	0.14%	0.74%	0.40%
C & D Debris	Wood	Treated/Contaminated Wood	1.44%	NR_Other	0.44%	1.34%	1.09%	1.50%	2.03%	1.69%	1.98%	
C & D Debris	Inorganic C&D	Gypsum Scrap	1.21%	NR_Other	0.50%	1.46%	0.57%	0.30%	1.57%	2.29%	0.80%	2.37%
C & D Debris	Inorganic C&D	Rock/Concrete/Bricks	0.59%	NR_Other	0.22%	0.51%	0.73%	0.27%	0.61%	1.20%	0.40%	0.42%
C & D Debris	Inorganic C&D	Other Construction Debris	1.46%	NR_Other	1.14%	0.95%	1.06%	0.96%	1.90%	1.90%	1.82%	0.79%
<b>C &amp; D Debris Total</b>			<b>4.98%</b>		<b>2.37%</b>	<b>4.76%</b>	<b>3.56%</b>	<b>3.27%</b>	<b>5.68%</b>	<b>7.56%</b>	<b>5.44%</b>	<b>5.96%</b>
Miscellaneous Inorganics	Misc. Inorganic	Miscellaneous Inorganics	0.13%	NR_Other	0.11%	0.05%	0.09%	0.08%	0.10%	0.23%	0.16%	0.24%
Miscellaneous Inorganics	Misc. Inorganic	Ceramics	0.41%	NR_Other	0.07%	0.44%	0.31%	0.54%	0.32%	0.58%	0.61%	0.39%
<b>Miscellaneous Inorganics Total</b>			<b>0.54%</b>		<b>0.18%</b>	<b>0.49%</b>	<b>0.40%</b>	<b>0.62%</b>	<b>0.42%</b>	<b>0.81%</b>	<b>0.77%</b>	<b>0.63%</b>
HHW	HHW	Oil Filters	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Antifreeze	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Wet-Cell Batteries	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Gasoline/Kerosene/Motor Oil/Diesel Fuel	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
HHW	HHW	Latex Paints/Water-Based Adhesives/Glues	0.10%	NR_Other	0.06%	0.02%	0.04%	0.10%	0.09%	0.08%	0.20%	0.24%
HHW	HHW	Oil-Based Paints/Solvent-Based Adhesives/Glues	0.02%	NR_Other	0.05%	0.01%	0.00%	0.00%	0.03%	0.00%	0.01%	0.02%
HHW	HHW	Pesticides/Herbicides/Rodenticides	0.00%	NR_Other	0.00%	0.01%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%
HHW	HHW	Dry-Cell Batteries	0.07%	NR_Other	0.03%	0.12%	0.09%	0.08%	0.06%	0.11%	0.06%	0.04%
HHW	HHW	Fluorescent Tubes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Mercury-Laden Wastes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Compressed Gas Cylinders, Fire Extinguishers	0.00%	NR_Other	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Home Medical Products	0.04%	NR_Other	0.03%	0.03%	0.06%	0.07%	0.04%	0.03%	0.02%	0.02%
HHW	HHW	Other Potentially Harmful Wastes	0.03%	NR_Other	0.01%	0.04%	0.03%	0.02%	0.01%	0.05%	0.05%	0.04%
<b>HHW Total</b>			<b>0.27%</b>		<b>0.19%</b>	<b>0.23%</b>	<b>0.23%</b>	<b>0.27%</b>	<b>0.25%</b>	<b>0.28%</b>	<b>0.35%</b>	<b>0.37%</b>
<b>Grand Total</b>			<b>100.00%</b>		<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table 1-89

Housing Density and Income Details, Fall 2004 Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (*continued*)

## SUBTOTALS BY RECYCLING DESIGNATION

Recycling Designation	% of Citywide Waste Stream	High Density/ High Income %	High Density/ Medium Income %	High Density/ Low Income %	Medium Density/ High Income %	Medium Density/ Medium Income %	Medium Density/ Low Income %	Low Density/ High Income %	Low Density/ Medium Income %
<b>Designated Paper</b>	<b>23.27%</b>	<b>39.81%</b>	<b>23.88%</b>	<b>17.29%</b>	<b>32.86%</b>	<b>21.30%</b>	<b>16.91%</b>	<b>24.06%</b>	<b>17.13%</b>
Designated Beverage Cartons	0.51%	0.62%	0.57%	0.57%	0.63%	0.56%	0.49%	0.37%	0.37%
Designated Plastic	2.06%	1.79%	1.98%	2.36%	1.44%	2.02%	2.06%	2.20%	2.01%
Designated Metal	5.09%	3.89%	4.96%	5.61%	4.58%	4.44%	6.69%	4.93%	5.34%
Designated Glass	4.08%	5.45%	3.48%	4.00%	5.49%	3.89%	4.33%	3.39%	3.37%
<b>Designated MGP Subtotal</b>	<b>11.74%</b>	<b>11.76%</b>	<b>10.99%</b>	<b>12.54%</b>	<b>12.13%</b>	<b>10.92%</b>	<b>13.57%</b>	<b>10.89%</b>	<b>11.08%</b>
Potentially Designated Plastic	9.38%	10.25%	11.40%	10.71%	8.10%	9.89%	8.88%	7.58%	8.19%
Potentially Designated Glass	0.14%	0.08%	0.12%	0.17%	0.10%	0.13%	0.12%	0.18%	0.25%
<b>Potentially Designated Materials Subtotal</b>	<b>9.52%</b>	<b>10.33%</b>	<b>11.52%</b>	<b>10.87%</b>	<b>8.20%</b>	<b>10.01%</b>	<b>9.00%</b>	<b>7.76%</b>	<b>8.44%</b>
Nondesignated Paper	8.19%	9.85%	8.22%	8.55%	7.32%	8.06%	6.52%	8.37%	8.21%
Nondesignated Plastic	2.18%	1.43%	1.82%	2.05%	1.49%	2.30%	2.43%	2.69%	2.42%
Other Nondesignated	45.10%	26.82%	43.56%	48.70%	38.00%	47.41%	51.56%	46.23%	52.72%
<b>Nondesignated Materials Subtotal</b>	<b>55.47%</b>	<b>38.10%</b>	<b>53.60%</b>	<b>59.30%</b>	<b>46.82%</b>	<b>57.77%</b>	<b>60.52%</b>	<b>57.29%</b>	<b>63.35%</b>
<b>Designated for Recycling Total</b>	<b>35.01%</b>	<b>51.57%</b>	<b>34.88%</b>	<b>29.83%</b>	<b>44.99%</b>	<b>32.22%</b>	<b>30.48%</b>	<b>34.95%</b>	<b>28.21%</b>
<b>Potentially or Not Designated for Recycling Total</b>	<b>64.99%</b>	<b>48.43%</b>	<b>65.12%</b>	<b>70.17%</b>	<b>55.01%</b>	<b>67.78%</b>	<b>69.52%</b>	<b>65.05%</b>	<b>71.79%</b>

AVERAGE WEEKLY GENERATION TONNAGE <sup>(1)</sup>

Material Group	Citywide	Density/ High Income	Medium Income	Density/ Low Income	Density/ High Income	Density/ Medium	Density/ Low Income	Density/ High	Medium Income
Paper Total <sup>(4)</sup>	18,480.93	3,210.84	1,328.46	2,875.97	942.09	3,085.68	2,126.75	3,548.29	1,062.13
Plastic Total <sup>(2)</sup>	7,872.54	860.25	617.96	1,646.94	254.44	1,465.06	1,189.42	1,347.63	521.49
Glass Total <sup>(2)</sup>	2,439.45	353.25	146.61	453.56	129.11	414.47	395.57	386.89	149.33
Metal Total <sup>(3)</sup>	2,663.44	226.15	183.26	537.48	88.50	416.62	532.17	498.51	206.76
Organics Total	22,277.71	1,504.33	1,514.03	4,770.90	769.39	4,128.84	3,751.00	4,213.67	1,848.62
Appliance/Electronic Total	722.56	55.98	52.68	151.46	29.10	145.35	126.19	112.62	55.86
C & D Debris Total	2,876.53	151.37	193.34	387.69	75.46	585.37	672.34	588.23	246.23
Miscellaneous Inorganics Total	312.87	11.39	19.89	43.63	14.36	43.76	72.00	83.32	26.07
HHW Total	156.20	11.93	9.54	24.65	6.16	26.09	24.71	37.71	15.33
<b>Grand Total</b>	<b>57,802.24</b>	<b>6,385.50</b>	<b>4,065.77</b>	<b>10,892.30</b>	<b>2,308.62</b>	<b>10,311.24</b>	<b>8,890.15</b>	<b>10,816.85</b>	<b>4,131.82</b>

(1) Tonnage values calculated using DSNY average weekly curbside waste tonnages over the period from September 2004 through November 2004 less the percentage of bulk items as determined in the study. More detail on how and why tonnages from this period were used to estimate generation can be found in Section 2.2.6 in Volume 2.

(2) The paper, plastic, and glass tonnages include the weight of materials both designated and non-designated for recycling.

(3) The metal tonnages do not include the weight of metals found within the appliance/electronic material group.

Table 1-90

Housing Density and Income Details, Winter 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Paper	ONP	Newspaper	8.10%	R Paper	11.76%	9.08%	5.14%	10.45%	8.43%	5.24%	10.11%	5.80%
Paper	OCC	Plain OCC/Kraft Paper	2.51%	R Paper	2.08%	2.26%	2.37%	2.50%	2.55%	2.84%	2.92%	2.17%
Paper	Mixed Paper	High Grade Paper	1.04%	R Paper	2.10%	1.13%	1.23%	1.31%	0.54%	0.69%	0.87%	0.62%
Paper	Mixed Paper	Mixed Low Grade Paper	11.80%	R Paper	20.84%	12.05%	8.11%	14.39%	10.62%	8.80%	12.60%	9.22%
Paper	Mixed Paper	Phone Books/Paperbacks	1.09%	R Paper	1.79%	1.93%	0.45%	3.97%	0.75%	1.20%	0.67%	0.44%
Paper	Mixed Paper	Paper Bags	0.65%	R Paper	1.22%	0.55%	0.65%	0.77%	0.62%	0.49%	0.45%	0.51%
Paper	Bev Cartons	Polycoated Paper Containers	0.55%	R Bev Cartons	0.58%	0.57%	0.52%	0.73%	0.51%	0.52%	0.62%	0.44%
Paper	Compostable Paper	Compostable/Soiled Paper/Waxed OCC/Kraft	5.73%	NR_Paper	5.78%	5.42%	5.34%	6.00%	5.84%	5.14%	6.36%	6.09%
Paper	Compostable Paper	Single Use Paper Plates, Cups	0.43%	NR_Paper	0.58%	0.28%	0.23%	0.49%	0.33%	0.21%	0.82%	0.54%
Paper	Other Paper	Other Nonrecyclable Paper	0.63%	NR_Paper	0.54%	0.56%	0.68%	0.65%	0.44%	0.58%	0.92%	0.63%
<b>Paper Total</b>			<b>32.54%</b>		<b>47.27%</b>	<b>33.84%</b>	<b>24.71%</b>	<b>41.27%</b>	<b>30.63%</b>	<b>25.70%</b>	<b>36.34%</b>	<b>26.46%</b>
Plastic	PET Bottles	PET Bottles	1.39%	R Plastics	1.29%	1.23%	1.61%	1.08%	1.31%	1.47%	1.40%	1.32%
Plastic	HDPE Bottles	HDPE Bottles: Natural	0.50%	R Plastics	0.33%	0.58%	0.63%	0.25%	0.62%	0.63%	0.41%	0.46%
Plastic	HDPE Bottles	HDPE Bottles: Colored	0.53%	R Plastics	0.47%	0.54%	0.51%	0.49%	0.60%	0.48%	0.59%	0.47%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #1 PET	0.01%	PR_Plastics	0.00%	0.00%	0.01%	0.00%	0.01%	0.01%	0.02%	0.00%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #2 HDPE	0.06%	PR_Plastics	0.03%	0.08%	0.08%	0.05%	0.07%	0.06%	0.05%	0.04%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #3 PVC	0.02%	PR_Plastics	0.05%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%	0.01%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #4 LDPE	0.01%	PR_Plastics	0.00%	0.01%	0.01%	0.00%	0.01%	0.01%	0.00%	0.00%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #5 PP	0.02%	PR_Plastics	0.01%	0.02%	0.03%	0.01%	0.02%	0.02%	0.03%	0.05%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #7 Other	0.08%	PR_Plastics	0.10%	0.08%	0.07%	0.05%	0.06%	0.07%	0.08%	0.10%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #3 PVC	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #4 LDPE	0.00%	PR_Plastics	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #5 PP	0.18%	PR_Plastics	0.21%	0.17%	0.17%	0.24%	0.18%	0.12%	0.20%	0.17%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #7 Other	0.03%	PR_Plastics	0.05%	0.06%	0.01%	0.06%	0.03%	0.02%	0.03%	0.02%
Plastic	Other Rigid Containers/Packaging	Soda Crates and Bottle Carriers	0.01%	PR_Plastics	0.00%	0.02%	0.03%	0.00%	0.00%	0.02%	0.00%	0.03%
Plastic	Other Plastic Products	Other PVC	0.01%	NR_Plastics	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.02%	0.01%
Plastic	Other Rigid Containers/Packaging	Rigid Polystyrene Containers and Packaging	0.25%	PR_Plastics	0.38%	0.25%	0.21%	0.37%	0.21%	0.20%	0.24%	0.23%
Plastic	Other Rigid Containers/Packaging	Expanded Polystyrene Containers and Packaging	0.57%	PR_Plastics	0.34%	0.63%	0.66%	0.51%	0.57%	0.65%	0.55%	0.60%
Plastic	Other Rigid Containers/Packaging	Other Rigid Containers/Packaging	0.72%	PR_Plastics	1.13%	0.66%	0.59%	0.84%	0.75%	0.44%	0.78%	0.60%
Plastic	Film	Plastic Bags	2.96%	PR_Plastics	2.59%	3.75%	3.34%	2.30%	3.05%	3.22%	2.53%	2.61%
Plastic	Film	Other Film	5.00%	PR_Plastics	5.69%	5.65%	5.76%	4.24%	4.91%	5.39%	3.59%	4.67%
Plastic	Other Plastic Products	Single Use Plastic Plates, Cups, Cutlery, Etc.	0.53%	NR_Plastics	0.39%	0.59%	0.42%	0.42%	0.39%	0.59%	0.80%	0.63%
Plastic	Other Plastic Products	Other Plastics Materials	1.80%	NR_Plastics	1.13%	1.42%	2.16%	1.16%	1.59%	2.12%	2.21%	1.75%
<b>Plastic Total</b>			<b>14.66%</b>		<b>14.21%</b>	<b>15.80%</b>	<b>16.29%</b>	<b>12.08%</b>	<b>14.39%</b>	<b>15.44%</b>	<b>13.53%</b>	<b>13.78%</b>
Glass	Container Glass	Clear Container Glass	1.73%	R Glass	1.20%	1.54%	1.94%	1.90%	1.54%	2.08%	1.82%	1.91%
Glass	Container Glass	Green Container Glass	0.65%	R Glass	1.58%	0.60%	0.42%	1.73%	0.49%	0.36%	0.43%	0.42%
Glass	Container Glass	Brown Container Glass	0.41%	R Glass	0.35%	0.29%	0.51%	0.59%	0.51%	0.42%	0.30%	0.30%
Glass	Mixed Cullet	Mixed Cullet	1.83%	R Glass	2.84%	1.76%	1.57%	2.19%	2.19%	1.40%	1.38%	1.42%
Glass	Container Glass	Other Container Glass	0.02%	R Glass	0.02%	0.01%	0.01%	0.03%	0.01%	0.04%	0.02%	0.03%
Glass	Other Glass	Other Glass	0.16%	PR_Glass	0.10%	0.15%	0.12%	0.24%	0.19%	0.20%	0.16%	0.15%
<b>Glass Total</b>			<b>4.80%</b>		<b>6.08%</b>	<b>4.35%</b>	<b>4.57%</b>	<b>6.67%</b>	<b>4.94%</b>	<b>4.51%</b>	<b>4.11%</b>	<b>4.22%</b>
Metal	Aluminum	Aluminum Cans	0.24%	R Metal	0.29%	0.23%	0.23%	0.14%	0.20%	0.20%	0.23%	0.23%
Metal	Aluminum	Aluminum Foil/Containers	0.54%	R Metal	0.46%	0.50%	0.56%	0.55%	0.49%	0.57%	0.61%	0.47%
Metal	Aluminum	Other Aluminum	0.02%	R Metal	0.01%	0.00%	0.01%	0.02%	0.05%	0.00%	0.02%	0.05%
Metal	Non-Ferrous	Other Non-Ferrous	0.12%	R Metal	0.08%	0.18%	0.12%	0.03%	0.09%	0.12%	0.17%	0.15%
Metal	Ferrous	Tin Food Cans	1.39%	R Metal	0.78%	1.42%	1.80%	1.14%	1.48%	1.55%	1.24%	1.42%
Metal	Ferrous	Empty Aerosol Cans	0.16%	R Metal	0.17%	0.09%	0.11%	0.16%	0.22%	0.15%	0.17%	0.16%
Metal	Ferrous	Other Ferrous	1.50%	R Metal	1.33%	1.40%	1.56%	1.45%	1.33%	1.68%	1.83%	1.83%
Metal	Other Metal	Mixed Metals	0.81%	R Metal	1.36%	0.66%	1.09%	0.48%	0.54%	0.86%	0.50%	0.87%
<b>Metal Total</b>			<b>4.77%</b>		<b>4.47%</b>	<b>4.48%</b>	<b>5.48%</b>	<b>3.96%</b>	<b>4.40%</b>	<b>5.13%</b>	<b>4.54%</b>	<b>5.17%</b>

Table 1-90

Housing Density and Income Details, Winter 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (continued)

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Organics	Yard	Leaves and Grass	0.94%	NR_Other	0.18%	0.66%	0.26%	1.23%	0.47%	0.73%	2.61%	1.58%
Organics	Yard	Prunings	0.40%	NR_Other	0.83%	0.21%	0.15%	0.62%	0.08%	0.14%	0.75%	0.84%
Organics	Wood	Stumps/Limbs	0.02%	NR_Other	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.07%	0.05%
Organics	Food	Food	20.68%	NR_Other	12.57%	20.86%	24.81%	15.46%	23.76%	23.41%	18.09%	21.65%
Organics	Wood	Wood Furniture/Furniture Pieces	0.94%	NR_Other	0.57%	0.79%	1.10%	0.60%	0.70%	1.62%	0.87%	1.11%
Organics	Wood	Non-C&D Untreated Wood	0.20%	NR_Other	0.09%	0.12%	0.54%	0.15%	0.20%	0.07%	0.09%	0.20%
Organics	Textiles	Non-Clothing Textiles	1.35%	NR_Other	1.20%	1.49%	1.25%	1.29%	1.41%	1.61%	1.02%	2.02%
Organics	Textiles	Clothing Textiles	2.31%	NR_Other	1.01%	2.30%	3.46%	0.97%	2.37%	2.61%	2.05%	2.61%
Organics	Textiles	Carpet/Upholstery	0.46%	NR_Other	0.20%	0.16%	0.38%	0.36%	0.57%	0.35%	0.74%	0.83%
Organics	Diapers/Hygiene	Disposable Diapers and Sanitary Products	3.52%	NR_Other	2.28%	3.17%	4.05%	3.09%	3.66%	3.86%	3.46%	4.27%
Organics	Misc. Organic	Animal By-Products	1.35%	NR_Other	1.59%	0.67%	0.56%	2.51%	1.44%	0.83%	2.05%	1.98%
Organics	Misc. Organic	Rubber Products	0.21%	NR_Other	0.11%	0.17%	0.27%	0.25%	0.22%	0.28%	0.16%	0.14%
Organics	Textiles	Shoes	0.67%	NR_Other	0.26%	0.79%	0.85%	0.40%	0.79%	0.80%	0.65%	0.46%
Organics	Textiles	Other Leather Products	0.07%	NR_Other	0.01%	0.07%	0.15%	0.06%	0.01%	0.13%	0.06%	0.03%
Organics	Misc. Organic	Fines	3.63%	NR_Other	2.66%	3.74%	4.43%	3.64%	3.30%	4.28%	3.09%	4.26%
Organics	Textiles	Upholstered or Other Organic-Type Furniture	0.08%	NR_Other	0.14%	0.12%	0.15%	0.15%	0.02%	0.04%	0.02%	0.15%
Organics	Misc. Organic	Miscellaneous Organics	0.65%	NR_Other	0.53%	0.64%	0.34%	0.98%	0.65%	0.77%	0.84%	0.72%
<b>Organics Total</b>			<b>37.48%</b>		<b>24.23%</b>	<b>35.94%</b>	<b>42.78%</b>	<b>31.75%</b>	<b>39.63%</b>	<b>41.52%</b>	<b>36.62%</b>	<b>42.90%</b>
Appliance/Electronic	Ferrous	Appliances: Ferrous	0.27%	R Metal	0.02%	0.23%	0.49%	0.22%	0.11%	0.66%	0.16%	0.20%
Appliance/Electronic	Non-Ferrous	Appliances: Non-Ferrous	0.02%	R Metal	0.01%	0.05%	0.01%	0.01%	0.01%	0.05%	0.00%	0.01%
Appliance/Electronic	Household Appliance - Plastic	Appliances: Plastic	0.18%	NR_Other	0.26%	0.11%	0.11%	0.12%	0.27%	0.17%	0.20%	0.12%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Cell Phones	0.00%	NR_Other	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%	0.00%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Other	0.16%	NR_Other	0.14%	0.11%	0.26%	0.10%	0.12%	0.09%	0.24%	0.05%
Appliance/Electronic	Electronic/AV/Computer	Computer Monitors	0.07%	NR_Other	0.09%	0.00%	0.00%	0.00%	0.29%	0.00%	0.00%	0.00%
Appliance/Electronic	Electronic/AV/Computer	Televisions	0.01%	NR_Other	0.00%	0.00%	0.00%	0.18%	0.00%	0.00%	0.00%	0.00%
Appliance/Electronic	Electronic/AV/Computer	Other Computer Equipment	0.09%	NR_Other	0.08%	0.20%	0.10%	0.13%	0.05%	0.08%	0.07%	0.14%
<b>Appliance/Electronic Total</b>			<b>0.80%</b>		<b>0.61%</b>	<b>0.71%</b>	<b>0.96%</b>	<b>0.77%</b>	<b>0.86%</b>	<b>1.05%</b>	<b>0.69%</b>	<b>0.52%</b>
C & D Debris	Wood	Untreated Dimension Lumber, Pallets, Crates	0.20%	NR_Other	0.18%	0.23%	0.09%	0.25%	0.19%	0.30%	0.11%	0.49%
C & D Debris	Wood	Treated/Contaminated Wood	1.35%	NR_Other	0.81%	1.90%	1.44%	1.02%	0.90%	2.01%	1.04%	2.50%
C & D Debris	Inorganic C&D	Gypsum Scrap	1.01%	NR_Other	0.67%	0.59%	1.42%	0.52%	0.87%	1.61%	0.92%	0.68%
C & D Debris	Inorganic C&D	Rock/Concrete/Bricks	0.39%	NR_Other	0.06%	0.15%	0.61%	0.19%	0.93%	0.33%	0.12%	0.17%
C & D Debris	Inorganic C&D	Other Construction Debris	1.08%	NR_Other	0.71%	1.36%	0.56%	1.01%	1.06%	1.66%	0.93%	2.19%
<b>C &amp; D Debris Total</b>			<b>4.01%</b>		<b>2.42%</b>	<b>4.23%</b>	<b>4.12%</b>	<b>3.00%</b>	<b>3.95%</b>	<b>5.92%</b>	<b>3.12%</b>	<b>6.03%</b>
Miscellaneous Inorganics	Misc. Inorganic	Miscellaneous Inorganics	0.19%	NR_Other	0.32%	0.09%	0.13%	0.04%	0.14%	0.16%	0.26%	0.27%
Miscellaneous Inorganics	Misc. Inorganic	Ceramics	0.49%	NR_Other	0.20%	0.22%	0.67%	0.21%	0.67%	0.42%	0.57%	0.50%
<b>Miscellaneous Inorganics Total</b>			<b>0.68%</b>		<b>0.51%</b>	<b>0.31%</b>	<b>0.80%</b>	<b>0.25%</b>	<b>0.81%</b>	<b>0.58%</b>	<b>0.83%</b>	<b>0.77%</b>
HHW	HHW	Oil Filters	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Antifreeze	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%
HHW	HHW	Wet-Cell Batteries	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Gasoline/Kerosene/Motor Oil/Diesel Fuel	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
HHW	HHW	Latex Paints/Water-Based Adhesives/Glues	0.04%	NR_Other	0.07%	0.08%	0.03%	0.04%	0.08%	0.01%	0.02%	0.00%
HHW	HHW	Oil-Based Paints/Solvent-Based Adhesives/Glues	0.04%	NR_Other	0.03%	0.04%	0.01%	0.00%	0.13%	0.00%	0.01%	0.00%
HHW	HHW	Pesticides/Herbicides/Rodenticides	0.01%	NR_Other	0.00%	0.02%	0.03%	0.00%	0.02%	0.00%	0.01%	0.00%
HHW	HHW	Dry-Cell Batteries	0.09%	NR_Other	0.05%	0.11%	0.10%	0.10%	0.12%	0.10%	0.05%	0.08%
HHW	HHW	Fluorescent Tubes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
HHW	HHW	Mercury-Laden Wastes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Compressed Gas Cylinders, Fire Extinguishers	0.00%	NR_Other	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
HHW	HHW	Home Medical Products	0.03%	NR_Other	0.02%	0.05%	0.05%	0.02%	0.02%	0.01%	0.04%	0.02%
HHW	HHW	Other Potentially Harmful Wastes	0.03%	NR_Other	0.00%	0.00%	0.06%	0.08%	0.01%	0.01%	0.06%	0.02%
<b>HHW Total</b>			<b>0.25%</b>		<b>0.18%</b>	<b>0.34%</b>	<b>0.28%</b>	<b>0.24%</b>	<b>0.39%</b>	<b>0.14%</b>	<b>0.22%</b>	<b>0.14%</b>
<b>Grand Total</b>			<b>100.00%</b>		<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table 1-90

Housing Density and Income Details, Winter 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (*continued*)

## SUBTOTALS BY RECYCLING DESIGNATION

Recycling Designation	% of Citywide Waste Stream	High Density/ High Income %	High Density/ Medium Income %	High Density/ Low Income %	Medium Density/ High Income %	Medium Density/ Medium Income %	Medium Density/ Low Income %	Low Density/ High Income %	Low Density/ Medium Income %
<b>Designated Paper</b>	<b>25.19%</b>	<b>39.79%</b>	<b>27.00%</b>	<b>17.94%</b>	<b>33.39%</b>	<b>23.51%</b>	<b>19.26%</b>	<b>27.62%</b>	<b>18.77%</b>
Designated Beverage Cartons	0.55%	0.58%	0.57%	0.52%	0.73%	0.51%	0.52%	0.62%	0.44%
Designated Plastic	2.42%	2.10%	2.36%	2.75%	1.82%	2.54%	2.48%	2.40%	2.25%
Designated Metal	5.06%	4.50%	4.76%	5.98%	4.19%	4.53%	5.84%	4.70%	5.38%
Designated Glass	4.64%	5.99%	4.20%	4.45%	6.43%	4.74%	4.31%	3.95%	4.06%
<b>Designated MGP Subtotal</b>	<b>12.68%</b>	<b>13.17%</b>	<b>11.89%</b>	<b>13.69%</b>	<b>13.17%</b>	<b>12.32%</b>	<b>13.15%</b>	<b>11.67%</b>	<b>12.14%</b>
Potentially Designated Plastic	9.91%	10.59%	11.43%	10.97%	8.68%	9.87%	10.24%	8.10%	9.14%
Potentially Designated Glass	0.16%	0.10%	0.15%	0.12%	0.24%	0.19%	0.20%	0.16%	0.15%
<b>Potentially Designated Materials Subtotal</b>	<b>10.07%</b>	<b>10.69%</b>	<b>11.59%</b>	<b>11.09%</b>	<b>8.92%</b>	<b>10.06%</b>	<b>10.44%</b>	<b>8.26%</b>	<b>9.29%</b>
Nondesignated Paper	6.80%	6.90%	6.26%	6.25%	7.15%	6.60%	5.92%	8.10%	7.25%
Nondesignated Plastic	2.34%	1.53%	2.01%	2.58%	1.58%	1.98%	2.72%	3.03%	2.39%
Other Nondesignated	42.94%	27.93%	41.25%	48.45%	35.78%	45.52%	48.51%	41.31%	50.16%
<b>Nondesignated Materials Subtotal</b>	<b>52.07%</b>	<b>36.35%</b>	<b>49.52%</b>	<b>57.28%</b>	<b>44.51%</b>	<b>54.10%</b>	<b>57.15%</b>	<b>52.44%</b>	<b>59.81%</b>
<b>Designated for Recycling Total</b>	<b>37.87%</b>	<b>52.96%</b>	<b>38.89%</b>	<b>31.63%</b>	<b>46.56%</b>	<b>35.83%</b>	<b>32.41%</b>	<b>39.29%</b>	<b>30.91%</b>
<b>Potentially or Not Designated for Recycling Total</b>	<b>62.13%</b>	<b>47.04%</b>	<b>61.11%</b>	<b>68.37%</b>	<b>53.44%</b>	<b>64.17%</b>	<b>67.59%</b>	<b>60.71%</b>	<b>69.09%</b>

AVERAGE WEEKLY GENERATION TONNAGE <sup>(1)</sup>

Material Group	Citywide	Density/ High Income	Medium Income	Density/ Low Income	Density/ High Income	Density/ Medium	Density/ Low Income	Density/ High	Medium Income
Paper Total <sup>(4)</sup>	17,379.62	2,684.26	1,335.28	2,541.45	831.52	3,108.39	2,046.31	3,599.17	920.52
Plastic Total <sup>(2)</sup>	7,832.40	807.07	623.43	1,675.41	243.48	1,460.73	1,228.92	1,340.06	479.33
Glass Total <sup>(2)</sup>	2,565.11	345.52	171.74	469.72	134.44	500.98	359.04	407.23	146.64
Metal Total <sup>(3)</sup>	2,548.79	254.09	176.95	563.95	79.83	446.58	408.22	450.06	179.98
Organics Total	20,020.50	1,376.16	1,418.29	4,399.04	639.73	4,022.63	3,305.48	3,626.48	1,492.13
Appliance/Electronic Total	429.86	34.83	27.82	98.91	15.57	87.18	83.76	67.92	18.16
C & D Debris Total	2,143.82	137.44	166.78	423.94	60.42	400.65	471.59	309.10	209.80
Miscellaneous Inorganics Total	361.93	29.08	12.16	82.25	5.05	82.41	46.31	82.61	26.86
HHW Total	132.93	10.04	13.34	28.56	4.81	39.64	11.15	21.56	4.97
<b>Grand Total</b>	<b>53,414.95</b>	<b>5,678.49</b>	<b>3,945.80</b>	<b>10,283.23</b>	<b>2,014.87</b>	<b>10,149.20</b>	<b>7,960.77</b>	<b>9,904.19</b>	<b>3,478.40</b>

(1) Tonnage values calculated using DSNY average weekly curbside waste tonnages over the period from January 2005 through March 2005 less the percentage of bulk items as determined in the study. More detail on how and why tonnages from this period were used to estimate generation can be found in Section 2.2.6 in Volume 2.

(2) The paper, plastic, and glass tonnages include the weight of materials both designated and non-designated for recycling.

(3) The metal tonnages do not include the weight of metals found within the appliance/electronic material group.

Table 1-91

Housing Density and Income Details, Spring 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Paper	ONP	Newspaper	7.72%	R Paper	15.25%	8.61%	5.42%	11.24%	6.39%	6.53%	7.11%	5.01%
Paper	OCC	Plain OCC/Kraft Paper	1.98%	R Paper	3.06%	1.73%	2.24%	2.33%	2.06%	2.24%	1.22%	1.24%
Paper	Mixed Paper	High Grade Paper	0.92%	R Paper	1.66%	0.54%	0.61%	2.03%	1.33%	0.56%	0.67%	0.53%
Paper	Mixed Paper	Mixed Low Grade Paper	10.03%	R Paper	16.28%	10.11%	7.75%	13.91%	9.53%	8.69%	9.52%	7.87%
Paper	Mixed Paper	Phone Books/Paperbacks	0.74%	R Paper	0.99%	0.73%	0.45%	0.75%	0.79%	0.87%	0.75%	0.65%
Paper	Mixed Paper	Paper Bags	0.58%	R Paper	1.21%	0.56%	0.58%	0.73%	0.51%	0.50%	0.37%	0.44%
Paper	Bev Cartons	Polycoated Paper Containers	0.53%	R Bev Cartons	0.58%	0.87%	0.57%	0.68%	0.49%	0.63%	0.37%	0.35%
Paper	Compostable Paper	Compostable/Soiled Paper/Waxed OCC/Kraft	5.49%	NR_Paper	5.91%	6.18%	4.81%	6.16%	5.82%	4.90%	5.42%	5.90%
Paper	Compostable Paper	Single Use Paper Plates, Cups	0.38%	NR_Paper	0.44%	0.30%	0.22%	0.54%	0.37%	0.20%	0.50%	0.59%
Paper	Other Paper	Other Nonrecyclable Paper	0.54%	NR_Paper	0.44%	0.52%	0.65%	0.80%	0.69%	0.44%	0.43%	0.41%
<b>Paper Total</b>			<b>28.91%</b>		<b>45.83%</b>	<b>30.16%</b>	<b>23.29%</b>	<b>39.17%</b>	<b>27.96%</b>	<b>25.56%</b>	<b>26.36%</b>	<b>22.99%</b>
Plastic	PET Bottles	PET Bottles	1.18%	R Plastics	1.24%	1.09%	1.35%	0.99%	1.14%	1.47%	0.96%	1.19%
Plastic	HDPE Bottles	HDPE Bottles: Natural	0.44%	R Plastics	0.27%	0.52%	0.63%	0.25%	0.57%	0.47%	0.30%	0.39%
Plastic	HDPE Bottles	HDPE Bottles: Colored	0.49%	R Plastics	0.41%	0.47%	0.58%	0.39%	0.45%	0.63%	0.48%	0.46%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #1 PET	0.00%	PR_Plastics	0.01%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #2 HDPE	0.07%	PR_Plastics	0.05%	0.17%	0.11%	0.05%	0.07%	0.08%	0.02%	0.03%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #3 PVC	0.01%	PR_Plastics	0.01%	0.03%	0.02%	0.01%	0.02%	0.01%	0.01%	0.00%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #4 LDPE	0.01%	PR_Plastics	0.00%	0.00%	0.01%	0.01%	0.00%	0.01%	0.00%	0.01%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #5 PP	0.02%	PR_Plastics	0.01%	0.02%	0.02%	0.01%	0.01%	0.02%	0.02%	0.02%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #7 Other	0.08%	PR_Plastics	0.06%	0.08%	0.10%	0.08%	0.07%	0.09%	0.07%	0.06%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #3 PVC	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #4 LDPE	0.01%	PR_Plastics	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #5 PP	0.16%	PR_Plastics	0.20%	0.16%	0.16%	0.22%	0.14%	0.11%	0.13%	0.21%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #7 Other	0.05%	PR_Plastics	0.09%	0.05%	0.07%	0.11%	0.04%	0.04%	0.04%	0.05%
Plastic	Other Rigid Containers/Packaging	Soda Crates and Bottle Carriers	0.02%	PR_Plastics	0.01%	0.03%	0.05%	0.02%	0.01%	0.01%	0.01%	0.07%
Plastic	Other Plastic Products	Other PVC	0.00%	NR_Plastics	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
Plastic	Other Rigid Containers/Packaging	Rigid Polystyrene Containers and Packaging	0.26%	PR_Plastics	0.40%	0.27%	0.36%	0.28%	0.22%	0.17%	0.20%	0.18%
Plastic	Other Rigid Containers/Packaging	Expanded Polystyrene Containers and Packaging	0.52%	PR_Plastics	0.40%	0.56%	0.65%	0.36%	0.55%	0.57%	0.49%	0.45%
Plastic	Other Rigid Containers/Packaging	Other Rigid Containers/Packaging	0.77%	PR_Plastics	1.17%	0.82%	0.68%	1.09%	0.79%	0.55%	0.69%	0.72%
Plastic	Film	Plastic Bags	3.29%	PR_Plastics	3.07%	3.97%	4.31%	2.69%	3.78%	3.63%	2.14%	2.64%
Plastic	Film	Other Film	4.89%	PR_Plastics	4.74%	5.88%	6.25%	4.00%	5.13%	5.58%	3.40%	4.09%
Plastic	Other Plastic Products	Single Use Plastic Plates, Cups, Cutlery, Etc.	0.50%	NR_Plastics	0.40%	0.51%	0.40%	0.45%	0.50%	0.64%	0.51%	0.67%
Plastic	Other Plastic Products	Other Plastics Materials	1.71%	NR_Plastics	1.11%	2.22%	1.73%	1.50%	1.83%	1.71%	1.66%	2.07%
<b>Plastic Total</b>			<b>14.50%</b>		<b>13.76%</b>	<b>16.90%</b>	<b>17.48%</b>	<b>12.53%</b>	<b>15.34%</b>	<b>15.80%</b>	<b>11.14%</b>	<b>13.29%</b>
Glass	Container Glass	Clear Container Glass	1.53%	R Glass	0.96%	1.20%	1.53%	1.48%	1.44%	2.40%	1.47%	1.59%
Glass	Container Glass	Green Container Glass	0.55%	R Glass	1.38%	0.46%	0.34%	1.24%	0.40%	0.36%	0.42%	0.41%
Glass	Container Glass	Brown Container Glass	0.32%	R Glass	0.29%	0.18%	0.49%	0.44%	0.25%	0.37%	0.23%	0.34%
Glass	Mixed Cullet		1.82%	R Glass	3.08%	1.64%	1.46%	2.77%	2.41%	1.63%	1.00%	1.56%
Glass	Container Glass	Other Container Glass	0.05%	R Glass	0.04%	0.04%	0.04%	0.04%	0.04%	0.08%	0.04%	0.05%
Glass	Other Glass	Other Glass	0.23%	PR_Glass	0.13%	0.16%	0.18%	0.12%	0.32%	0.34%	0.24%	0.17%
<b>Glass Total</b>			<b>4.49%</b>		<b>5.86%</b>	<b>3.69%</b>	<b>4.04%</b>	<b>6.08%</b>	<b>4.86%</b>	<b>5.17%</b>	<b>3.39%</b>	<b>4.12%</b>
Metal	Aluminum	Aluminum Cans	0.18%	R Metal	0.17%	0.21%	0.23%	0.15%	0.16%	0.22%	0.13%	0.17%
Metal	Aluminum	Aluminum Foil/Containers	0.59%	R Metal	0.54%	0.61%	0.60%	0.53%	0.63%	0.65%	0.53%	0.64%
Metal	Aluminum	Other Aluminum	0.06%	R Metal	0.01%	0.06%	0.05%	0.05%	0.04%	0.05%	0.09%	0.09%
Metal	Non-Ferrous	Other Non-Ferrous	0.12%	R Metal	0.08%	0.10%	0.12%	0.10%	0.08%	0.13%	0.17%	0.23%
Metal	Ferrous	Tin Food Cans	1.30%	R Metal	0.72%	1.28%	1.89%	0.90%	1.34%	1.78%	0.94%	1.17%
Metal	Ferrous	Empty Aerosol Cans	0.15%	R Metal	0.14%	0.17%	0.14%	0.11%	0.19%	0.16%	0.13%	0.16%
Metal	Ferrous	Other Ferrous	1.52%	R Metal	1.38%	1.47%	1.83%	1.37%	1.46%	1.12%	1.65%	1.64%
Metal	Other Metal	Mixed Metals	0.65%	R Metal	0.83%	0.59%	0.72%	0.46%	0.82%	0.48%	0.46%	0.90%
<b>Metal Total</b>			<b>4.57%</b>		<b>3.87%</b>	<b>4.48%</b>	<b>5.58%</b>	<b>3.66%</b>	<b>4.72%</b>	<b>4.59%</b>	<b>4.11%</b>	<b>5.00%</b>

Table 1-91

Housing Density and Income Details, Spring 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (continued)

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Organics	Yard	Leaves and Grass	5.01%	NR_Other	2.13%	3.06%	0.50%	2.77%	2.45%	1.43%	13.79%	10.14%
Organics	Yard	Prunings	0.60%	NR_Other	0.48%	0.07%	0.08%	0.33%	0.32%	0.22%	1.60%	1.06%
Organics	Wood	Stumps/Limbs	0.17%	NR_Other	0.04%	0.13%	0.03%	0.43%	0.21%	0.02%	0.32%	0.27%
Organics	Food	Food	18.33%	NR_Other	11.85%	21.45%	23.34%	14.32%	20.79%	21.94%	13.69%	17.95%
Organics	Wood	Wood Furniture/Furniture Pieces	0.48%	NR_Other	0.39%	0.36%	0.52%	0.39%	0.27%	0.82%	0.58%	0.29%
Organics	Wood	Non-C&D Untreated Wood	0.18%	NR_Other	0.04%	0.07%	0.12%	0.29%	0.56%	0.06%	0.10%	0.09%
Organics	Textiles	Non-Clothing Textiles	1.07%	NR_Other	0.83%	1.27%	1.25%	0.95%	1.19%	1.46%	0.71%	1.03%
Organics	Textiles	Clothing Textiles	2.76%	NR_Other	1.45%	3.13%	3.71%	1.60%	3.16%	3.81%	1.82%	2.93%
Organics	Textiles	Carpet/Upholstery	0.86%	NR_Other	0.45%	0.20%	0.63%	0.35%	1.03%	0.49%	1.80%	0.49%
Organics	Diapers/Hygiene	Disposable Diapers and Sanitary Products	3.16%	NR_Other	2.46%	3.08%	4.03%	2.38%	3.14%	3.60%	2.60%	3.77%
Organics	Misc. Organic	Animal By-Products	1.07%	NR_Other	1.05%	0.90%	0.62%	2.87%	0.89%	1.46%	1.05%	0.99%
Organics	Misc. Organic	Rubber Products	0.31%	NR_Other	0.19%	0.27%	0.53%	0.15%	0.29%	0.15%	0.42%	0.20%
Organics	Textiles	Shoes	0.62%	NR_Other	0.32%	0.80%	0.99%	0.40%	0.80%	0.79%	0.32%	0.40%
Organics	Textiles	Other Leather Products	0.13%	NR_Other	0.05%	0.05%	0.10%	0.04%	0.12%	0.14%	0.25%	0.04%
Organics	Misc. Organic	Fines	4.69%	NR_Other	3.84%	4.67%	5.95%	3.93%	4.38%	5.71%	3.88%	4.93%
Organics	Textiles	Upholstered or Other Organic-Type Furniture	0.14%	NR_Other	0.05%	0.06%	0.16%	0.01%	0.15%	0.05%	0.28%	0.28%
Organics	Misc. Organic	Miscellaneous Organics	0.75%	NR_Other	0.58%	0.38%	0.44%	1.44%	0.38%	0.60%	1.22%	1.44%
<b>Organics Total</b>			<b>40.35%</b>		<b>26.20%</b>	<b>39.94%</b>	<b>42.99%</b>	<b>32.66%</b>	<b>40.14%</b>	<b>42.78%</b>	<b>44.39%</b>	<b>46.30%</b>
Appliance/Electronic	Ferrous	Appliances: Ferrous	0.32%	R Metal	0.15%	0.18%	0.25%	0.19%	0.31%	0.34%	0.43%	0.67%
Appliance/Electronic	Non-Ferrous	Appliances: Non-Ferrous	0.04%	R Metal	0.00%	0.02%	0.02%	0.05%	0.17%	0.02%	0.02%	0.01%
Appliance/Electronic	Household Appliance - Plastic	Appliances: Plastic	0.23%	NR_Other	0.12%	0.22%	0.23%	0.26%	0.18%	0.36%	0.24%	0.24%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Cell Phones	0.00%	NR_Other	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Other	0.19%	NR_Other	0.09%	0.18%	0.09%	0.03%	0.24%	0.32%	0.27%	0.13%
Appliance/Electronic	Electronic/AV/Computer	Computer Monitors	0.01%	NR_Other	0.04%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%
Appliance/Electronic	Electronic/AV/Computer	Televisions	0.00%	NR_Other	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Appliance/Electronic	Electronic/AV/Computer	Other Computer Equipment	0.07%	NR_Other	0.09%	0.24%	0.04%	0.11%	0.06%	0.03%	0.06%	0.01%
<b>Appliance/Electronic Total</b>			<b>0.87%</b>		<b>0.50%</b>	<b>0.87%</b>	<b>0.63%</b>	<b>0.63%</b>	<b>0.94%</b>	<b>1.07%</b>	<b>1.02%</b>	<b>1.15%</b>
C & D Debris	Wood	Untreated Dimension Lumber, Pallets, Crates	0.49%	NR_Other	0.62%	0.32%	0.33%	0.49%	0.25%	0.23%	0.83%	0.91%
C & D Debris	Wood	Treated/Contaminated Wood	1.33%	NR_Other	1.02%	0.82%	1.30%	0.63%	1.16%	1.05%	2.01%	1.69%
C & D Debris	Inorganic C&D	Gypsum Scrap	0.98%	NR_Other	0.43%	0.80%	0.96%	0.33%	1.55%	0.54%	1.32%	0.84%
C & D Debris	Inorganic C&D	Rock/Concrete/Bricks	1.07%	NR_Other	0.21%	0.25%	0.91%	0.59%	0.58%	1.54%	1.89%	1.82%
C & D Debris	Inorganic C&D	Other Construction Debris	1.50%	NR_Other	0.84%	0.97%	1.79%	2.22%	1.66%	0.65%	2.27%	0.89%
<b>C &amp; D Debris Total</b>			<b>5.37%</b>		<b>3.12%</b>	<b>3.16%</b>	<b>5.29%</b>	<b>4.26%</b>	<b>5.19%</b>	<b>4.02%</b>	<b>8.33%</b>	<b>6.15%</b>
Miscellaneous Inorganics	Misc. Inorganic	Miscellaneous Inorganics	0.32%	NR_Other	0.29%	0.24%	0.08%	0.49%	0.25%	0.19%	0.59%	0.52%
Miscellaneous Inorganics	Misc. Inorganic	Ceramics	0.41%	NR_Other	0.41%	0.44%	0.27%	0.42%	0.31%	0.51%	0.52%	0.36%
<b>Miscellaneous Inorganics Total</b>			<b>0.73%</b>		<b>0.71%</b>	<b>0.69%</b>	<b>0.35%</b>	<b>0.91%</b>	<b>0.56%</b>	<b>0.70%</b>	<b>1.11%</b>	<b>0.88%</b>
HHW	HHW	Oil Filters	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%
HHW	HHW	Antifreeze	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Wet-Cell Batteries	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Gasoline/Kerosene/Motor Oil/Diesel Fuel	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Latex Paints/Water-Based Adhesives/Glues	0.03%	NR_Other	0.08%	0.00%	0.00%	0.01%	0.11%	0.01%	0.00%	0.01%
HHW	HHW	Oil-Based Paints/Solvent-Based Adhesives/Glues	0.02%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.01%	0.11%	0.00%	0.02%
HHW	HHW	Pesticides/Herbicides/Rodenticides	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Dry-Cell Batteries	0.06%	NR_Other	0.02%	0.05%	0.07%	0.04%	0.05%	0.10%	0.05%	0.05%
HHW	HHW	Fluorescent Tubes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Mercury-Laden Wastes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Compressed Gas Cylinders, Fire Extinguishers	0.01%	NR_Other	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.01%	0.00%
HHW	HHW	Home Medical Products	0.06%	NR_Other	0.01%	0.01%	0.23%	0.02%	0.02%	0.06%	0.01%	0.03%
HHW	HHW	Other Potentially Harmful Wastes	0.04%	NR_Other	0.04%	0.03%	0.03%	0.01%	0.09%	0.03%	0.05%	0.01%
<b>HHW Total</b>			<b>0.22%</b>		<b>0.15%</b>	<b>0.10%</b>	<b>0.35%</b>	<b>0.09%</b>	<b>0.28%</b>	<b>0.31%</b>	<b>0.15%</b>	<b>0.12%</b>
<b>Grand Total</b>			<b>100.00%</b>		<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table 1-91

Housing Density and Income Details, Spring 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (continued)

SUBTOTALS BY RECYCLING DESIGNATION

Recycling Designation	% of Citywide Waste Stream	High Density/ High Income %	High Density/ Medium Income %	High Density/ Low Income %	Medium Density/ High Income %	Medium Density/ Medium Income %	Medium Density/ Low Income %	Low Density/ High Income %	Low Density/ Medium Income %
<b>Designated Paper</b>	<b>21.98%</b>	<b>38.46%</b>	<b>22.29%</b>	<b>17.04%</b>	<b>30.99%</b>	<b>20.60%</b>	<b>19.39%</b>	<b>19.65%</b>	<b>15.75%</b>
Designated Beverage Cartons	0.53%	0.58%	0.87%	0.57%	0.68%	0.49%	0.63%	0.37%	0.35%
Designated Plastic	2.12%	1.92%	2.07%	2.56%	1.63%	2.16%	2.56%	1.73%	2.03%
Designated Metal	4.93%	4.03%	4.68%	5.85%	3.90%	5.19%	4.95%	4.55%	5.68%
Designated Glass	4.26%	5.74%	3.54%	3.86%	5.96%	4.54%	4.84%	3.16%	3.95%
<b>Designated MGP Subtotal</b>	<b>11.85%</b>	<b>12.26%</b>	<b>11.16%</b>	<b>12.85%</b>	<b>12.17%</b>	<b>12.38%</b>	<b>12.98%</b>	<b>9.81%</b>	<b>12.01%</b>
Potentially Designated Plastic	10.16%	10.32%	12.09%	12.78%	8.94%	10.86%	10.88%	7.23%	8.52%
Potentially Designated Glass	0.23%	0.13%	0.16%	0.18%	0.12%	0.32%	0.34%	0.24%	0.17%
<b>Potentially Designated Materials Subtotal</b>	<b>10.39%</b>	<b>10.45%</b>	<b>12.25%</b>	<b>12.96%</b>	<b>9.05%</b>	<b>11.17%</b>	<b>11.22%</b>	<b>7.47%</b>	<b>8.69%</b>
Nondesignated Paper	6.41%	6.79%	7.00%	5.68%	7.50%	6.87%	5.54%	6.35%	6.89%
Nondesignated Plastic	2.21%	1.51%	2.73%	2.14%	1.96%	2.32%	2.35%	2.18%	2.74%
Other Nondesignated	47.17%	30.52%	44.57%	49.33%	38.32%	46.64%	48.52%	54.55%	53.91%
<b>Nondesignated Materials Subtotal</b>	<b>55.79%</b>	<b>38.83%</b>	<b>54.30%</b>	<b>57.15%</b>	<b>47.79%</b>	<b>55.84%</b>	<b>56.41%</b>	<b>63.08%</b>	<b>63.55%</b>
<b>Designated for Recycling Total</b>	<b>33.82%</b>	<b>50.72%</b>	<b>33.45%</b>	<b>29.89%</b>	<b>43.16%</b>	<b>32.98%</b>	<b>32.38%</b>	<b>29.45%</b>	<b>27.76%</b>
<b>Potentially or Not Designated for Recycling Total</b>	<b>66.18%</b>	<b>49.28%</b>	<b>66.55%</b>	<b>70.11%</b>	<b>56.84%</b>	<b>67.02%</b>	<b>67.62%</b>	<b>70.55%</b>	<b>72.24%</b>

AVERAGE WEEKLY GENERATION TONNAGE <sup>(1)</sup>

Material Group	Citywide	Density/ High Income	Medium Income	Density/ Low Income	Density/ High Income	Density/ Medium	Density/ Low Income	Density/ High	Medium Income
Paper Total <sup>(2)</sup>	17,125.08	2,837.62	1,240.52	2,500.53	1,150.01	2,820.44	2,297.03	3,116.70	1,002.21
Plastic Total <sup>(2)</sup>	8,586.75	851.63	695.03	1,876.24	367.81	1,546.87	1,419.25	1,317.58	579.41
Glass Total <sup>(2)</sup>	2,657.19	363.01	151.90	433.92	178.46	490.36	464.89	401.09	179.54
Metal Total <sup>(3)</sup>	2,706.48	239.69	184.48	599.38	107.45	476.01	412.74	485.97	217.96
Organics Total	23,898.31	1,621.83	1,643.05	4,614.69	958.85	4,048.41	3,843.99	5,248.49	2,018.47
Appliance/Electronic Total	513.99	30.86	35.94	67.46	18.58	95.13	96.22	120.28	50.06
C & D Debris Total	3,180.69	193.42	130.09	568.30	125.12	523.93	360.78	984.58	267.88
Miscellaneous Inorganics Total	431.43	43.73	28.19	37.14	26.68	56.85	62.73	131.44	38.48
HHW Total	129.96	9.48	4.22	37.73	2.78	28.19	27.64	17.24	5.22
<b>Grand Total</b>	<b>59,229.88</b>	<b>6,191.27</b>	<b>4,113.43</b>	<b>10,735.39</b>	<b>2,935.73</b>	<b>10,086.20</b>	<b>8,985.26</b>	<b>11,823.37</b>	<b>4,359.23</b>

(1) Tonnage values calculated using DSNY average weekly curbside waste tonnages over the period from April 2005 through June 2005 less the percentage of bulk items as determined in the study. More detail on how and why tonnages from this period were used to estimate generation can be found in Section 2.2.6 in Volume 2.

(2) The paper, plastic, and glass tonnages include the weight of materials both designated and non-designated for recycling.

(3) The metal tonnages do not include the weight of metals found within the appliance/electronic material group.

Table 1-92

Housing Density and Income Details, Summer 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Paper	ONP	Newspaper	7.46%	R Paper	14.64%	9.24%	5.07%	10.67%	6.78%	4.77%	7.40%	5.07%
Paper	OCC	Plain OCC/Kraft Paper	2.01%	R Paper	2.10%	1.91%	2.21%	2.39%	2.03%	2.32%	1.68%	1.57%
Paper	Mixed Paper	High Grade Paper	0.90%	R Paper	1.68%	1.27%	0.58%	1.40%	0.51%	1.04%	0.83%	0.70%
Paper	Mixed Paper	Mixed Low Grade Paper	11.10%	R Paper	17.89%	11.36%	9.18%	16.30%	8.95%	9.46%	11.87%	7.89%
Paper	Mixed Paper	Phone Books/Paperbacks	1.23%	R Paper	0.85%	1.11%	0.88%	1.10%	2.55%	0.63%	1.18%	0.92%
Paper	Mixed Paper	Paper Bags	0.78%	R Paper	1.34%	0.74%	0.76%	0.97%	0.75%	0.75%	0.60%	0.55%
Paper	Bev Cartons	Polycoated Paper Containers	0.50%	R Bev Cartons	0.62%	0.55%	0.45%	0.59%	0.56%	0.63%	0.37%	0.34%
Paper	Compostable Paper	Compostable/Soiled Paper/Waxed OCC/Kraft	5.32%	NR_Paper	5.36%	5.27%	4.36%	5.17%	6.35%	4.56%	5.80%	5.26%
Paper	Compostable Paper	Single Use Paper Plates, Cups	0.54%	NR_Paper	0.41%	0.44%	0.36%	0.59%	0.36%	0.37%	0.94%	0.89%
Paper	Other Paper	Other Nonrecyclable Paper	1.10%	NR_Paper	1.38%	0.95%	1.19%	1.00%	1.22%	0.94%	0.94%	1.12%
<b>Paper Total</b>			<b>30.95%</b>		<b>46.25%</b>	<b>32.85%</b>	<b>25.04%</b>	<b>40.17%</b>	<b>30.07%</b>	<b>25.47%</b>	<b>31.61%</b>	<b>24.30%</b>
Plastic	PET Bottles	PET Bottles	1.50%	R Plastics	1.42%	1.49%	1.55%	1.18%	1.52%	1.94%	1.37%	1.28%
Plastic	HDPE Bottles	HDPE Bottles: Natural	0.50%	R Plastics	0.50%	0.63%	0.66%	0.23%	0.67%	0.52%	0.35%	0.36%
Plastic	HDPE Bottles	HDPE Bottles: Colored	0.51%	R Plastics	0.51%	0.50%	0.64%	0.38%	0.46%	0.45%	0.52%	0.45%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #1 PET	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #2 HDPE	0.04%	PR_Plastics	0.07%	0.07%	0.03%	0.03%	0.02%	0.07%	0.03%	0.05%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #3 PVC	0.01%	PR_Plastics	0.02%	0.01%	0.01%	0.01%	0.01%	0.02%	0.01%	0.01%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #4 LDPE	0.01%	PR_Plastics	0.00%	0.00%	0.01%	0.00%	0.00%	0.01%	0.01%	0.00%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #5 PP	0.02%	PR_Plastics	0.02%	0.02%	0.04%	0.02%	0.02%	0.03%	0.02%	0.02%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #7 Other	0.09%	PR_Plastics	0.05%	0.06%	0.07%	0.04%	0.05%	0.08%	0.19%	0.07%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #3 PVC	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #4 LDPE	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #5 PP	0.21%	PR_Plastics	0.32%	0.20%	0.20%	0.29%	0.20%	0.23%	0.15%	0.24%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #7 Other	0.05%	PR_Plastics	0.08%	0.07%	0.05%	0.05%	0.03%	0.05%	0.04%	0.04%
Plastic	Other Rigid Containers/Packaging	Soda Crates and Bottle Carriers	0.02%	PR_Plastics	0.01%	0.02%	0.03%	0.01%	0.01%	0.04%	0.00%	0.00%
Plastic	Other Plastic Products	Other PVC	0.01%	NR_Plastics	0.00%	0.04%	0.00%	0.00%	0.00%	0.04%	0.01%	0.04%
Plastic	Other Rigid Containers/Packaging	Rigid Polystyrene Containers and Packaging	0.27%	PR_Plastics	0.53%	0.24%	0.20%	0.34%	0.26%	0.22%	0.24%	0.23%
Plastic	Other Rigid Containers/Packaging	Expanded Polystyrene Containers and Packaging	0.62%	PR_Plastics	1.40%	0.69%	0.68%	0.51%	0.68%	0.77%	0.53%	0.61%
Plastic	Other Rigid Containers/Packaging	Other Rigid Containers/Packaging	0.98%	PR_Plastics	1.31%	1.02%	0.89%	1.09%	0.92%	0.82%	0.98%	0.96%
Plastic	Film	Plastic Bags	2.77%	PR_Plastics	2.54%	3.26%	3.53%	2.23%	3.27%	2.90%	1.88%	2.28%
Plastic	Film	Other Film	5.11%	PR_Plastics	5.28%	5.62%	5.96%	4.17%	5.16%	5.33%	4.26%	4.84%
Plastic	Other Plastic Products	Single Use Plastic Plates, Cups, Cutlery, Etc.	0.67%	NR_Plastics	0.56%	0.72%	0.56%	0.50%	0.51%	0.83%	0.80%	0.90%
Plastic	Other Plastic Products	Other Plastics Materials	1.73%	NR_Plastics	1.64%	2.38%	1.84%	1.43%	1.62%	1.66%	1.54%	2.03%
<b>Plastic Total</b>			<b>15.13%</b>		<b>15.22%</b>	<b>16.97%</b>	<b>16.95%</b>	<b>12.50%</b>	<b>15.42%</b>	<b>16.01%</b>	<b>12.94%</b>	<b>14.43%</b>
Glass	Container Glass	Clear Container Glass	1.90%	R Glass	1.64%	1.53%	2.25%	1.69%	1.74%	2.51%	1.76%	1.70%
Glass	Container Glass	Green Container Glass	0.61%	R Glass	1.36%	0.53%	0.48%	1.05%	0.49%	0.57%	0.45%	0.40%
Glass	Container Glass	Brown Container Glass	0.49%	R Glass	0.47%	0.32%	0.53%	0.55%	0.62%	0.63%	0.34%	0.38%
Glass	Mixed Cullet	Mixed Cullet	2.21%	R Glass	3.14%	1.96%	2.26%	2.87%	2.51%	1.93%	1.59%	2.09%
Glass	Container Glass	Other Container Glass	0.02%	R Glass	0.03%	0.02%	0.01%	0.04%	0.03%	0.04%	0.02%	0.02%
Glass	Other Glass	Other Glass	0.29%	PR_Glass	0.33%	0.39%	0.28%	0.18%	0.28%	0.31%	0.21%	0.44%
<b>Glass Total</b>			<b>5.53%</b>		<b>6.97%</b>	<b>4.76%</b>	<b>5.82%</b>	<b>6.37%</b>	<b>5.66%</b>	<b>5.99%</b>	<b>4.37%</b>	<b>5.02%</b>
Metal	Aluminum	Aluminum Cans	0.30%	R Metal	0.25%	0.27%	0.43%	0.17%	0.26%	0.31%	0.29%	0.24%
Metal	Aluminum	Aluminum Foil/Containers	0.63%	R Metal	0.59%	0.54%	0.59%	0.59%	0.66%	0.73%	0.65%	0.60%
Metal	Aluminum	Other Aluminum	0.07%	R Metal	0.04%	0.06%	0.03%	0.04%	0.09%	0.04%	0.06%	0.28%
Metal	Non-Ferrous	Other Non-Ferrous	0.15%	R Metal	0.19%	0.21%	0.16%	0.20%	0.10%	0.13%	0.15%	0.18%
Metal	Ferrous	Tin Food Cans	1.14%	R Metal	0.80%	1.11%	1.64%	0.80%	1.31%	1.22%	0.89%	0.93%
Metal	Ferrous	Empty Aerosol Cans	0.20%	R Metal	0.17%	0.12%	0.25%	0.15%	0.23%	0.20%	0.22%	0.16%
Metal	Ferrous	Other Ferrous	1.21%	R Metal	1.25%	1.07%	0.90%	1.60%	1.07%	1.22%	1.23%	1.98%
Metal	Other Metal	Mixed Metals	0.65%	R Metal	0.24%	0.47%	0.88%	0.83%	0.66%	0.69%	0.59%	0.84%
<b>Metal Total</b>			<b>4.35%</b>		<b>3.52%</b>	<b>3.86%</b>	<b>4.88%</b>	<b>4.39%</b>	<b>4.37%</b>	<b>4.54%</b>	<b>4.09%</b>	<b>5.20%</b>

**Table 1-92**  
**Housing Density and Income Details, Summer 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (continued)**

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Organics	Yard	Leaves and Grass	3.25%	NR_Other	0.44%	2.74%	0.77%	1.87%	2.08%	1.82%	8.12%	6.26%
Organics	Yard	Prunings	0.72%	NR_Other	0.27%	0.22%	0.07%	1.14%	0.32%	0.95%	1.70%	0.97%
Organics	Wood	Stumps/Limbs	0.05%	NR_Other	0.00%	0.08%	0.04%	0.01%	0.00%	0.23%	0.02%	0.10%
Organics	Food	Food	16.85%	NR_Other	9.88%	17.47%	22.04%	12.90%	18.98%	17.84%	15.12%	15.11%
Organics	Wood	Wood Furniture/Furniture Pieces	0.81%	NR_Other	1.08%	0.94%	0.68%	0.41%	0.79%	0.94%	0.83%	0.53%
Organics	Wood	Non-C&D Untreated Wood	0.10%	NR_Other	0.05%	0.14%	0.13%	0.10%	0.10%	0.08%	0.12%	0.04%
Organics	Textiles	Non-Clothing Textiles	1.91%	NR_Other	1.46%	1.70%	2.61%	1.13%	2.15%	1.76%	1.60%	2.25%
Organics	Textiles	Clothing Textiles	2.79%	NR_Other	1.59%	3.15%	4.51%	1.31%	2.45%	3.13%	2.40%	2.48%
Organics	Textiles	Carpet/Upholstery	0.65%	NR_Other	0.81%	0.57%	0.99%	0.65%	0.47%	0.84%	0.25%	0.85%
Organics	Diapers/Hygiene	Disposable Diapers and Sanitary Products	3.44%	NR_Other	2.85%	3.05%	3.94%	2.99%	4.00%	3.52%	3.05%	3.38%
Organics	Misc. Organic	Animal By-Products	1.09%	NR_Other	1.22%	1.08%	0.67%	2.81%	1.39%	0.61%	0.94%	1.43%
Organics	Misc. Organic	Rubber Products	0.24%	NR_Other	0.17%	0.22%	0.21%	0.23%	0.29%	0.40%	0.19%	0.16%
Organics	Textiles	Shoes	0.68%	NR_Other	0.61%	0.54%	0.94%	0.40%	0.61%	0.94%	0.44%	0.82%
Organics	Textiles	Other Leather Products	0.07%	NR_Other	0.03%	0.14%	0.05%	0.03%	0.15%	0.07%	0.02%	0.07%
Organics	Misc. Organic	Fines	3.93%	NR_Other	3.12%	3.58%	4.08%	3.15%	3.90%	5.62%	3.33%	4.26%
Organics	Textiles	Upholstered or Other Organic-Type Furniture	0.06%	NR_Other	0.00%	0.11%	0.05%	0.00%	0.02%	1.62%	0.08%	0.06%
Organics	Misc. Organic	Miscellaneous Organics	1.09%	NR_Other	1.30%	0.60%	0.56%	0.83%	0.78%	2.15%	1.13%	1.36%
<b>Organics Total</b>			<b>37.72%</b>		<b>24.88%</b>	<b>36.33%</b>	<b>42.33%</b>	<b>29.96%</b>	<b>38.49%</b>	<b>41.07%</b>	<b>39.33%</b>	<b>40.12%</b>
Appliance/Electronic	Ferrous	Appliances: Ferrous	0.21%	R Metal	0.11%	0.35%	0.17%	0.38%	0.33%	0.08%	0.08%	0.59%
Appliance/Electronic	Non-Ferrous	Appliances: Non-Ferrous	0.04%	R Metal	0.02%	0.08%	0.02%	0.11%	0.01%	0.04%	0.03%	0.03%
Appliance/Electronic	Household Appliance - Plastic	Appliances: Plastic	0.25%	NR_Other	0.23%	0.24%	0.28%	0.19%	0.26%	0.26%	0.29%	0.16%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Cell Phones	0.01%	NR_Other	0.01%	0.01%	0.02%	0.00%	0.00%	0.00%	0.00%	0.01%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Other	0.31%	NR_Other	0.22%	0.35%	0.26%	0.16%	0.32%	0.47%	0.27%	0.35%
Appliance/Electronic	Electronic/AV/Computer	Computer Monitors	0.07%	NR_Other	0.03%	0.00%	0.00%	0.85%	0.00%	0.08%	0.00%	0.21%
Appliance/Electronic	Electronic/AV/Computer	Televisions	0.08%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.41%	0.00%	0.32%
Appliance/Electronic	Electronic/AV/Computer	Other Computer Equipment	0.11%	NR_Other	0.09%	0.08%	0.08%	0.33%	0.18%	0.07%	0.08%	0.13%
<b>Appliance/Electronic Total</b>			<b>1.08%</b>		<b>0.70%</b>	<b>1.11%</b>	<b>0.83%</b>	<b>2.03%</b>	<b>1.11%</b>	<b>1.43%</b>	<b>0.79%</b>	<b>1.78%</b>
C & D Debris	Wood	Untreated Dimension Lumber, Pallets, Crates	0.28%	NR_Other	0.03%	0.06%	0.31%	0.20%	0.22%	0.30%	0.44%	0.47%
C & D Debris	Wood	Treated/Contaminated Wood	1.24%	NR_Other	0.75%	0.86%	0.58%	0.75%	1.02%	1.44%	1.91%	2.46%
C & D Debris	Inorganic C&D	Gypsum Scrap	0.61%	NR_Other	0.08%	0.79%	0.31%	0.28%	0.56%	0.71%	0.77%	1.65%
C & D Debris	Inorganic C&D	Rock/Concrete/Bricks	0.64%	NR_Other	0.16%	0.10%	1.12%	0.78%	1.11%	0.64%	0.27%	0.57%
C & D Debris	Inorganic C&D	Other Construction Debris	1.59%	NR_Other	0.74%	1.52%	1.03%	1.34%	1.17%	1.76%	2.40%	2.76%
<b>C &amp; D Debris Total</b>			<b>4.36%</b>		<b>1.76%</b>	<b>3.33%</b>	<b>3.36%</b>	<b>3.35%</b>	<b>4.08%</b>	<b>4.86%</b>	<b>5.79%</b>	<b>7.91%</b>
Miscellaneous Inorganics	Misc. Inorganic	Miscellaneous Inorganics	0.15%	NR_Other	0.14%	0.24%	0.09%	0.19%	0.15%	0.16%	0.14%	0.19%
Miscellaneous Inorganics	Misc. Inorganic	Ceramics	0.45%	NR_Other	0.22%	0.34%	0.33%	0.81%	0.36%	0.26%	0.76%	0.67%
<b>Miscellaneous Inorganics Total</b>			<b>0.60%</b>		<b>0.36%</b>	<b>0.58%</b>	<b>0.41%</b>	<b>0.99%</b>	<b>0.50%</b>	<b>0.42%</b>	<b>0.90%</b>	<b>0.86%</b>
HHW	HHW	Oil Filters	0.01%	NR_Other	0.01%	0.00%	0.06%	0.00%	0.00%	0.00%	0.00%	0.01%
HHW	HHW	Antifreeze	0.00%	NR_Other	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Wet-Cell Batteries	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Gasoline/Kerosene/Motor Oil/Diesel Fuel	0.00%	NR_Other	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
HHW	HHW	Latex Paints/Water-Based Adhesives/Glues	0.03%	NR_Other	0.01%	0.03%	0.01%	0.02%	0.07%	0.01%	0.02%	0.13%
HHW	HHW	Oil-Based Paints/Solvent-Based Adhesives/Glues	0.03%	NR_Other	0.01%	0.01%	0.03%	0.10%	0.01%	0.00%	0.05%	0.10%
HHW	HHW	Pesticides/Herbicides/Rodenticides	0.01%	NR_Other	0.01%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%
HHW	HHW	Dry-Cell Batteries	0.08%	NR_Other	0.09%	0.10%	0.07%	0.07%	0.07%	0.11%	0.06%	0.04%
HHW	HHW	Fluorescent Tubes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Mercury-Laden Wastes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Compressed Gas Cylinders, Fire Extinguishers	0.01%	NR_Other	0.00%	0.00%	0.08%	0.01%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Home Medical Products	0.08%	NR_Other	0.18%	0.05%	0.09%	0.02%	0.11%	0.07%	0.02%	0.04%
HHW	HHW	Other Potentially Harmful Wastes	0.02%	NR_Other	0.01%	0.00%	0.02%	0.01%	0.03%	0.03%	0.01%	0.04%
<b>HHW Total</b>			<b>0.28%</b>		<b>0.32%</b>	<b>0.22%</b>	<b>0.37%</b>	<b>0.24%</b>	<b>0.30%</b>	<b>0.23%</b>	<b>0.18%</b>	<b>0.37%</b>
<b>Grand Total</b>			<b>100.00%</b>		<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table 1-92

Housing Density and Income Details, Summer 2005, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items *(continued)*

## SUBTOTALS BY RECYCLING DESIGNATION

Recycling Designation	% of Citywide Waste Stream	High Density/ High Income %	High Density/ Medium Income %	High Density/ Low Income %	Medium Density/ High Income %	Medium Density/ Medium Income %	Medium Density/ Low Income %	Low Density/ High Income %	Low Density/ Medium Income %
<b>Designated Paper</b>	<b>23.48%</b>	<b>38.49%</b>	<b>25.63%</b>	<b>18.68%</b>	<b>32.83%</b>	<b>21.57%</b>	<b>18.97%</b>	<b>23.55%</b>	<b>16.70%</b>
Designated Beverage Cartons	0.50%	0.62%	0.55%	0.45%	0.59%	0.56%	0.63%	0.37%	0.34%
Designated Plastic	2.51%	2.38%	2.52%	2.84%	1.79%	2.64%	2.91%	2.24%	2.09%
Designated Metal	4.61%	3.66%	4.29%	5.06%	4.88%	4.72%	4.66%	4.23%	5.82%
Designated Glass	5.24%	6.64%	4.36%	5.54%	6.19%	5.39%	5.67%	4.16%	4.58%
<b>Designated MGP Subtotal</b>	<b>12.86%</b>	<b>13.30%</b>	<b>11.73%</b>	<b>13.90%</b>	<b>13.44%</b>	<b>13.31%</b>	<b>13.87%</b>	<b>11.00%</b>	<b>12.82%</b>
Potentially Designated Plastic	10.21%	10.63%	11.30%	11.70%	8.78%	10.64%	10.57%	8.34%	9.37%
Potentially Designated Glass	0.29%	0.33%	0.39%	0.28%	0.18%	0.28%	0.31%	0.21%	0.44%
<b>Potentially Designated Materials Subtotal</b>	<b>10.50%</b>	<b>10.96%</b>	<b>11.69%</b>	<b>11.99%</b>	<b>8.96%</b>	<b>10.92%</b>	<b>10.88%</b>	<b>8.56%</b>	<b>9.82%</b>
Nondesignated Paper	6.97%	7.15%	6.67%	5.91%	6.75%	7.93%	5.87%	7.68%	7.27%
Nondesignated Plastic	2.41%	2.20%	3.14%	2.41%	1.93%	2.13%	2.52%	2.36%	2.96%
Other Nondesignated	43.78%	27.90%	41.14%	47.12%	36.08%	44.13%	47.88%	46.85%	50.43%
<b>Nondesignated Materials Subtotal</b>	<b>53.17%</b>	<b>37.25%</b>	<b>50.95%</b>	<b>55.43%</b>	<b>44.76%</b>	<b>54.20%</b>	<b>56.27%</b>	<b>56.89%</b>	<b>60.66%</b>
<b>Designated for Recycling Total</b>	<b>36.34%</b>	<b>51.79%</b>	<b>37.36%</b>	<b>32.58%</b>	<b>46.28%</b>	<b>34.88%</b>	<b>32.84%</b>	<b>34.55%</b>	<b>29.52%</b>
<b>Potentially or Not Designated for Recycling Total</b>	<b>63.66%</b>	<b>48.21%</b>	<b>62.64%</b>	<b>67.42%</b>	<b>53.72%</b>	<b>65.12%</b>	<b>67.16%</b>	<b>65.45%</b>	<b>70.48%</b>

AVERAGE WEEKLY GENERATION TONNAGE <sup>(1)</sup>

Material Group	Citywide	Density/ High Income	Medium Income	Density/ Low Income	Density/ High Income	Density/ Medium	Density/ Low Income	Density/ High	Medium Income
Paper Total <sup>(2)</sup>	17,083.01	2,642.36	1,315.11	2,678.75	890.70	2,838.33	1,953.34	3,456.48	1,097.07
Plastic Total <sup>(2)</sup>	8,351.06	869.41	679.37	1,813.77	277.17	1,455.92	1,227.60	1,414.81	651.16
Glass Total <sup>(2)</sup>	3,050.78	398.27	190.45	622.79	141.12	534.63	459.02	477.89	226.66
Metal Total <sup>(3)</sup>	2,401.30	201.29	154.49	521.55	97.34	412.79	347.93	446.88	234.86
Organics Total	20,820.23	1,421.55	1,454.73	4,528.26	664.21	3,633.61	3,149.72	4,301.25	1,810.93
Appliance/Electronic Total	596.32	40.26	44.39	88.86	44.97	104.34	109.30	85.90	80.40
C & D Debris Total	2,404.53	100.79	133.30	359.57	74.25	385.02	372.59	633.52	357.21
Miscellaneous Inorganics Total	330.49	20.81	23.28	44.32	22.01	47.59	32.07	98.66	38.97
HHW Total	152.67	18.23	8.78	39.93	5.33	28.21	17.90	19.54	16.53
<b>Grand Total</b>	<b>55,190.38</b>	<b>5,712.98</b>	<b>4,003.89</b>	<b>10,697.80</b>	<b>2,217.09</b>	<b>9,440.42</b>	<b>7,669.47</b>	<b>10,934.94</b>	<b>4,513.79</b>

(1) Tonnage values calculated using DSNY average weekly curbside waste tonnages over the period from July 2005 through September 2005 less the percentage of bulk items as determined in the study. More detail on how and why tonnages from this period were used to estimate generation can be found in Section 2.2.6 in Volume 2.

(2) The paper, plastic, and glass tonnages include the weight of materials both designated and non-designated for recycling.

(3) The metal tonnages do not include the weight of metals found within the appliance/electronic material group.

**Table 1-93  
Housing Density and Income, Annual, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items**

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Paper	ONP	Newspaper	7.71%	R Paper	13.56%	8.70%	5.45%	10.86%	6.82%	5.37%	8.30%	5.28%
Paper	OCC	Plain OCC/Kraft Paper	2.40%	R Paper	2.90%	2.22%	2.18%	2.46%	2.65%	2.59%	2.17%	1.80%
Paper	Mixed Paper	High Grade Paper	0.94%	R Paper	1.67%	0.99%	0.74%	1.61%	0.91%	0.77%	0.74%	0.61%
Paper	Mixed Paper	Mixed Low Grade Paper	10.77%	R Paper	18.35%	10.95%	8.13%	15.14%	9.57%	8.46%	10.98%	8.18%
Paper	Mixed Paper	Phone Books/Paperbacks	0.96%	R Paper	1.42%	1.20%	0.60%	1.61%	1.14%	0.87%	0.78%	0.67%
Paper	Mixed Paper	Paper Bags	0.65%	R Paper	1.26%	0.60%	0.63%	0.81%	0.61%	0.54%	0.46%	0.46%
Paper	Bev Cartons	Polycoated Paper Containers	0.52%	R Bev Cartons	0.60%	0.64%	0.53%	0.66%	0.53%	0.57%	0.42%	0.37%
Paper	Compostable Paper	Compostable/Soiled Paper/Waxed OCC/Kraft	5.91%	NR_Paper	6.46%	5.98%	5.54%	5.82%	6.27%	5.10%	6.10%	6.04%
Paper	Compostable Paper	Single Use Paper Plates, Cups	0.46%	NR_Paper	0.52%	0.38%	0.27%	0.53%	0.36%	0.25%	0.74%	0.67%
Paper	Other Paper	Other Nonrecyclable Paper	0.72%	NR_Paper	0.72%	0.69%	0.78%	0.84%	0.75%	0.61%	0.73%	0.69%
<b>Paper Total</b>			<b>31.05%</b>		<b>47.45%</b>	<b>32.34%</b>	<b>24.86%</b>	<b>40.33%</b>	<b>29.62%</b>	<b>25.14%</b>	<b>31.41%</b>	<b>24.76%</b>
Plastic	PET Bottles	PET Bottles	1.28%	R Plastics	1.27%	1.20%	1.42%	1.02%	1.24%	1.50%	1.16%	1.21%
Plastic	HDPE Bottles	HDPE Bottles: Natural	0.48%	R Plastics	0.32%	0.52%	0.63%	0.24%	0.58%	0.50%	0.43%	0.41%
Plastic	HDPE Bottles	HDPE Bottles: Colored	0.51%	R Plastics	0.45%	0.51%	0.58%	0.41%	0.51%	0.50%	0.52%	0.47%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #1 PET	0.01%	PR_Plastics	0.00%	0.01%	0.00%	0.00%	0.01%	0.01%	0.01%	0.00%
Plastic	Injection Molded Tubs	#1-#2 Tubs/Trays/Other Containers: #2 HDPE	0.06%	PR_Plastics	0.07%	0.12%	0.06%	0.04%	0.05%	0.07%	0.03%	0.04%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #3 PVC	0.01%	PR_Plastics	0.02%	0.02%	0.01%	0.01%	0.01%	0.02%	0.01%	0.01%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #4 LDPE	0.01%	PR_Plastics	0.00%	0.00%	0.01%	0.00%	0.01%	0.01%	0.00%	0.01%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #5 PP	0.02%	PR_Plastics	0.01%	0.02%	0.03%	0.01%	0.02%	0.02%	0.02%	0.03%
Plastic	#3-#7 Bottles	#3 Through #7 Bottles: #7 Other	0.07%	PR_Plastics	0.07%	0.08%	0.07%	0.05%	0.07%	0.07%	0.10%	0.07%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #3 PVC	0.00%	PR_Plastics	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #4 LDPE	0.00%	PR_Plastics	0.03%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #5 PP	0.18%	PR_Plastics	0.24%	0.20%	0.18%	0.24%	0.17%	0.14%	0.16%	0.19%
Plastic	Injection Molded Tubs	#3 Through #7 Tubs: #7 Other	0.04%	PR_Plastics	0.06%	0.05%	0.04%	0.07%	0.03%	0.03%	0.04%	0.05%
Plastic	Other Rigid Containers/Packaging	Soda Crates and Bottle Carriers	0.02%	PR_Plastics	0.00%	0.02%	0.03%	0.02%	0.01%	0.02%	0.00%	0.03%
Plastic	Other Plastic Products	Other PVC	0.01%	NR_Plastics	0.00%	0.01%	0.00%	0.01%	0.01%	0.01%	0.02%	0.01%
Plastic	Other Rigid Containers/Packaging	Rigid Polystyrene Containers and Packaging	0.26%	PR_Plastics	0.44%	0.26%	0.26%	0.31%	0.22%	0.19%	0.22%	0.21%
Plastic	Other Rigid Containers/Packaging	Expanded Polystyrene Containers and Packaging	0.57%	PR_Plastics	0.39%	0.59%	0.67%	0.45%	0.60%	0.67%	0.50%	0.55%
Plastic	Other Rigid Containers/Packaging	Other Rigid Containers/Packaging	0.79%	PR_Plastics	1.16%	0.88%	0.68%	0.95%	0.79%	0.58%	0.76%	0.75%
Plastic	Film	Plastic Bags	2.87%	PR_Plastics	2.63%	3.55%	3.60%	2.28%	3.19%	3.02%	2.08%	2.40%
Plastic	Film	Other Film	5.01%	PR_Plastics	5.32%	5.76%	5.90%	4.17%	5.15%	5.28%	3.84%	4.48%
Plastic	Other Plastic Products	Single Use Plastic Plates, Cups, Cutlery, Etc.	0.54%	NR_Plastics	0.44%	0.55%	0.45%	0.42%	0.45%	0.64%	0.68%	0.70%
Plastic	Other Plastic Products	Other Plastics Materials	1.73%	NR_Plastics	1.22%	1.88%	1.84%	1.32%	1.73%	1.85%	1.83%	1.94%
<b>Plastic Total</b>			<b>14.47%</b>		<b>14.14%</b>	<b>16.23%</b>	<b>16.47%</b>	<b>12.03%</b>	<b>14.84%</b>	<b>15.13%</b>	<b>12.44%</b>	<b>13.54%</b>
Glass	Container Glass	Clear Container Glass	1.66%	R Glass	1.29%	1.36%	1.84%	1.59%	1.50%	2.24%	1.60%	1.68%
Glass	Container Glass	Green Container Glass	0.58%	R Glass	1.38%	0.52%	0.40%	1.29%	0.45%	0.41%	0.41%	0.38%
Glass	Container Glass	Brown Container Glass	0.40%	R Glass	0.34%	0.29%	0.53%	0.55%	0.42%	0.46%	0.29%	0.35%
Glass	Mixed Cullet	Mixed Cullet	1.87%	R Glass	2.89%	1.70%	1.68%	2.54%	2.22%	1.62%	1.31%	1.56%
Glass	Container Glass	Other Container Glass	0.03%	R Glass	0.03%	0.02%	0.02%	0.04%	0.03%	0.05%	0.03%	0.03%
Glass	Other Glass	Other Glass	0.21%	PR_Glass	0.15%	0.21%	0.19%	0.16%	0.23%	0.24%	0.20%	0.26%
<b>Glass Total</b>			<b>4.75%</b>		<b>6.09%</b>	<b>4.10%</b>	<b>4.65%</b>	<b>6.16%</b>	<b>4.86%</b>	<b>5.03%</b>	<b>3.84%</b>	<b>4.26%</b>
Metal	Aluminum	Aluminum Cans	0.22%	R Metal	0.22%	0.23%	0.28%	0.16%	0.19%	0.23%	0.22%	0.19%
Metal	Aluminum	Aluminum Foil/Containers	0.57%	R Metal	0.52%	0.52%	0.58%	0.54%	0.58%	0.63%	0.56%	0.57%
Metal	Aluminum	Other Aluminum	0.05%	R Metal	0.02%	0.05%	0.03%	0.06%	0.05%	0.06%	0.07%	0.12%
Metal	Non-Ferrous	Other Non-Ferrous	0.13%	R Metal	0.12%	0.17%	0.15%	0.11%	0.09%	0.10%	0.17%	0.18%
Metal	Ferrous	Tin Food Cans	1.27%	R Metal	0.76%	1.27%	1.81%	0.94%	1.33%	1.50%	1.01%	1.19%
Metal	Ferrous	Empty Aerosol Cans	0.17%	R Metal	0.15%	0.13%	0.17%	0.13%	0.20%	0.16%	0.17%	0.16%
Metal	Ferrous	Other Ferrous	1.47%	R Metal	1.37%	1.41%	1.38%	1.44%	1.36%	1.56%	1.87%	1.87%
Metal	Other Metal	Mixed Metals	0.68%	R Metal	0.70%	0.55%	0.82%	0.57%	0.59%	0.82%	0.59%	0.80%
<b>Metal Total</b>			<b>4.57%</b>		<b>3.85%</b>	<b>4.33%</b>	<b>5.22%</b>	<b>3.96%</b>	<b>4.38%</b>	<b>5.07%</b>	<b>4.32%</b>	<b>5.09%</b>

**Table 1-93  
Housing Density and Income, Annual, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items (continued)**

Material Group	Material Subgroup	Material Category: Subcategory	% of Citywide Waste Stream	Recycling Subindicator	High Density/	High Density/	High Density/	Medium Density/	Medium Density/	Medium Density/	Low Density/	Low Density/
					High Income %	Medium Income %	Low Income %	High Income %	Medium Income %	Low Income %	High Income %	Medium Income %
Organics	Yard	Leaves and Grass	3.46%	NR_Other	1.03%	2.29%	0.75%	2.13%	2.36%	2.20%	8.68%	6.68%
Organics	Yard	Prunings	0.66%	NR_Other	0.46%	0.28%	0.08%	0.79%	0.43%	0.38%	1.64%	1.10%
Organics	Wood	Stumps/Limbs	0.09%	NR_Other	0.01%	0.09%	0.02%	0.13%	0.08%	0.06%	0.20%	0.12%
Organics	Food	Food	18.62%	NR_Other	11.59%	19.85%	23.84%	14.68%	21.12%	21.00%	15.21%	17.97%
Organics	Wood	Wood Furniture/Furniture Pieces	0.74%	NR_Other	0.64%	0.61%	0.73%	0.48%	0.61%	1.14%	0.75%	0.77%
Organics	Wood	Non-C&D Untreated Wood	0.13%	NR_Other	0.05%	0.09%	0.21%	0.16%	0.23%	0.06%	0.08%	0.09%
Organics	Textiles	Non-Clothing Textiles	1.41%	NR_Other	1.07%	1.42%	1.65%	1.07%	1.55%	1.50%	1.22%	1.60%
Organics	Textiles	Clothing Textiles	2.62%	NR_Other	1.34%	2.94%	3.91%	1.24%	2.55%	3.20%	2.11%	2.73%
Organics	Textiles	Carpet/Upholstery	0.66%	NR_Other	0.55%	0.36%	0.60%	0.49%	0.66%	0.54%	0.94%	0.90%
Organics	Diapers/Hygiene	Disposable Diapers and Sanitary Products	3.37%	NR_Other	2.44%	3.11%	4.10%	2.95%	3.53%	3.74%	2.91%	3.87%
Organics	Misc. Organic	Animal By-Products	1.13%	NR_Other	1.20%	0.98%	0.64%	2.74%	1.23%	0.92%	1.17%	1.45%
Organics	Misc. Organic	Rubber Products	0.26%	NR_Other	0.19%	0.22%	0.30%	0.20%	0.25%	0.27%	0.30%	0.17%
Organics	Textiles	Shoes	0.63%	NR_Other	0.36%	0.85%	0.42%	0.68%	0.85%	0.85%	0.46%	0.65%
Organics	Textiles	Other Leather Products	0.10%	NR_Other	0.03%	0.11%	0.11%	0.04%	0.14%	0.11%	0.11%	0.04%
Organics	Misc. Organic	Fines	3.81%	NR_Other	3.04%	3.74%	4.55%	3.27%	3.58%	4.75%	3.23%	4.19%
Organics	Textiles	Upholstered or Other Organic-Type Furniture	0.11%	NR_Other	0.07%	0.13%	0.11%	0.10%	0.05%	0.23%	0.12%	0.12%
Organics	Misc. Organic	Miscellaneous Organics	0.75%	NR_Other	0.66%	0.52%	0.51%	1.06%	0.54%	0.96%	0.97%	1.05%
<b>Organics Total</b>			<b>38.56%</b>		<b>24.71%</b>	<b>37.40%</b>	<b>42.97%</b>	<b>31.96%</b>	<b>39.58%</b>	<b>41.91%</b>	<b>40.10%</b>	<b>43.51%</b>
Appliance/Electronic	Ferrous	Appliances: Ferrous	0.31%	R Metal	0.15%	0.29%	0.39%	0.38%	0.29%	0.43%	0.24%	0.44%
Appliance/Electronic	Non-Ferrous	Appliances: Non-Ferrous	0.04%	R Metal	0.02%	0.05%	0.02%	0.05%	0.05%	0.04%	0.03%	0.03%
Appliance/Electronic	Household Appliance - Plastic	Appliances: Plastic	0.23%	NR_Other	0.20%	0.24%	0.23%	0.18%	0.22%	0.27%	0.26%	0.18%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Cell Phones	0.01%	NR_Other	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%
Appliance/Electronic	Electronic/AV/Computer	Audio/Visual Equipment: Other	0.22%	NR_Other	0.13%	0.19%	0.22%	0.10%	0.24%	0.27%	0.25%	0.21%
Appliance/Electronic	Electronic/AV/Computer	Computer Monitors	0.04%	NR_Other	0.04%	0.01%	0.00%	0.24%	0.08%	0.02%	0.00%	0.08%
Appliance/Electronic	Electronic/AV/Computer	Televisions	0.04%	NR_Other	0.00%	0.00%	0.00%	0.04%	0.06%	0.10%	0.03%	0.16%
Appliance/Electronic	Electronic/AV/Computer	Other Computer Equipment	0.12%	NR_Other	0.13%	0.22%	0.08%	0.18%	0.14%	0.11%	0.08%	0.13%
<b>Appliance/Electronic Total</b>			<b>1.00%</b>		<b>0.67%</b>	<b>1.00%</b>	<b>0.95%</b>	<b>1.17%</b>	<b>1.09%</b>	<b>1.24%</b>	<b>0.89%</b>	<b>1.24%</b>
C & D Debris	Wood	Untreated Dimension Lumber, Pallets, Crates	0.32%	NR_Other	0.23%	0.27%	0.21%	0.30%	0.19%	0.24%	0.55%	0.57%
C & D Debris	Wood	Treated/Contaminated Wood	1.34%	NR_Other	0.75%	1.21%	1.10%	0.98%	1.15%	1.63%	1.70%	2.14%
C & D Debris	Inorganic C&D	Gypsum Scrap	0.95%	NR_Other	0.43%	0.92%	0.81%	0.35%	1.15%	1.29%	0.96%	1.41%
C & D Debris	Inorganic C&D	Rock/Concrete/Bricks	0.68%	NR_Other	0.16%	0.25%	0.85%	0.46%	0.80%	0.95%	0.73%	0.78%
C & D Debris	Inorganic C&D	Other Construction Debris	1.42%	NR_Other	0.86%	1.20%	1.11%	1.39%	1.46%	1.49%	1.91%	1.65%
<b>C &amp; D Debris Total</b>			<b>4.70%</b>		<b>2.43%</b>	<b>3.85%</b>	<b>4.09%</b>	<b>3.48%</b>	<b>4.75%</b>	<b>5.60%</b>	<b>5.86%</b>	<b>6.56%</b>
Miscellaneous Inorganics	Misc. Inorganic	Miscellaneous Inorganics	0.20%	NR_Other	0.21%	0.16%	0.10%	0.20%	0.16%	0.19%	0.30%	0.31%
Miscellaneous Inorganics	Misc. Inorganic	Ceramics	0.44%	NR_Other	0.23%	0.36%	0.39%	0.50%	0.41%	0.44%	0.62%	0.48%
<b>Miscellaneous Inorganics Total</b>			<b>0.64%</b>		<b>0.44%</b>	<b>0.52%</b>	<b>0.49%</b>	<b>0.70%</b>	<b>0.57%</b>	<b>0.63%</b>	<b>0.91%</b>	<b>0.79%</b>
HHW	HHW	Oil Filters	0.00%	NR_Other	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Antifreeze	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Wet-Cell Batteries	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Gasoline/Kerosene/Motor Oil/Diesel Fuel	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
HHW	HHW	Latex Paints/Water-Based Adhesives/Glues	0.05%	NR_Other	0.05%	0.03%	0.02%	0.04%	0.09%	0.03%	0.06%	0.10%
HHW	HHW	Oil-Based Paints/Solvent-Based Adhesives/Glues	0.02%	NR_Other	0.02%	0.02%	0.01%	0.03%	0.04%	0.03%	0.02%	0.04%
HHW	HHW	Pesticides/Herbicides/Rodenticides	0.01%	NR_Other	0.00%	0.01%	0.01%	0.00%	0.01%	0.00%	0.01%	0.00%
HHW	HHW	Dry-Cell Batteries	0.07%	NR_Other	0.05%	0.09%	0.08%	0.07%	0.07%	0.10%	0.05%	0.05%
HHW	HHW	Fluorescent Tubes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Mercury-Laden Wastes	0.00%	NR_Other	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HHW	HHW	Compressed Gas Cylinders, Fire Extinguishers	0.01%	NR_Other	0.00%	0.01%	0.02%	0.00%	0.00%	0.00%	0.01%	0.00%
HHW	HHW	Home Medical Products	0.05%	NR_Other	0.06%	0.04%	0.11%	0.04%	0.05%	0.04%	0.02%	0.02%
HHW	HHW	Other Potentially Harmful Wastes	0.03%	NR_Other	0.02%	0.02%	0.03%	0.03%	0.04%	0.03%	0.04%	0.03%
<b>HHW Total</b>			<b>0.25%</b>		<b>0.21%</b>	<b>0.22%</b>	<b>0.31%</b>	<b>0.21%</b>	<b>0.30%</b>	<b>0.24%</b>	<b>0.22%</b>	<b>0.25%</b>
<b>Grand Total</b>			<b>100.00%</b>		<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table 1-93

### Housing Density and Income, Annual, Waste Characterization Study, Waste (Refuse and Recycling), Excluding Bulk Items *(continued)*

#### SUBTOTALS BY RECYCLING DESIGNATION

Recycling Designation	% of Citywide Waste Stream	High Density/ High Income %	High Density/ Medium Income %	High Density/ Low Income %	Medium Density/ High Income %	Medium Density/ Medium Income %	Medium Density/ Low Income %	Low Density/ High Income %	Low Density/ Medium Income %
<b>Designated Paper</b>	<b>23.43%</b>	<b>39.15%</b>	<b>24.65%</b>	<b>17.74%</b>	<b>32.49%</b>	<b>21.71%</b>	<b>18.61%</b>	<b>23.43%</b>	<b>16.99%</b>
Designated Beverage Cartons	0.52%	0.60%	0.64%	0.53%	0.66%	0.53%	0.57%	0.42%	0.37%
Designated Plastic	2.27%	2.04%	2.23%	2.63%	1.66%	2.33%	2.50%	2.12%	2.09%
Designated Metal	4.92%	4.02%	4.67%	5.62%	4.38%	4.72%	5.54%	4.60%	5.57%
Designated Glass	4.55%	5.94%	3.89%	4.46%	6.00%	4.63%	4.79%	3.64%	4.00%
<b>Designated MGP Subtotal</b>	<b>12.26%</b>	<b>12.60%</b>	<b>11.43%</b>	<b>13.24%</b>	<b>12.71%</b>	<b>12.22%</b>	<b>13.39%</b>	<b>10.78%</b>	<b>12.03%</b>
Potentially Designated Plastic	9.91%	10.44%	11.56%	11.55%	8.62%	10.32%	10.13%	7.79%	8.80%
Potentially Designated Glass	0.21%	0.15%	0.21%	0.19%	0.16%	0.23%	0.24%	0.20%	0.26%
<b>Potentially Designated Materials Subtotal</b>	<b>10.12%</b>	<b>10.60%</b>	<b>11.77%</b>	<b>11.73%</b>	<b>8.78%</b>	<b>10.55%</b>	<b>10.37%</b>	<b>7.99%</b>	<b>9.06%</b>
Nondesignated Paper	7.09%	7.70%	7.05%	6.59%	7.19%	7.38%	5.97%	7.57%	7.40%
Nondesignated Plastic	2.28%	1.66%	2.44%	2.29%	1.74%	2.19%	2.50%	2.53%	2.65%
Other Nondesignated	44.81%	28.29%	42.66%	48.40%	37.09%	45.95%	49.16%	47.71%	51.87%
<b>Nondesignated Materials Subtotal</b>	<b>54.19%</b>	<b>37.65%</b>	<b>52.15%</b>	<b>57.28%</b>	<b>46.02%</b>	<b>55.53%</b>	<b>57.63%</b>	<b>57.81%</b>	<b>61.92%</b>
<b>Designated for Recycling Total</b>	<b>35.69%</b>	<b>51.75%</b>	<b>36.09%</b>	<b>30.98%</b>	<b>45.20%</b>	<b>33.93%</b>	<b>32.00%</b>	<b>34.20%</b>	<b>29.02%</b>
<b>Potentially or Not Designated for Recycling Total</b>	<b>64.31%</b>	<b>48.25%</b>	<b>63.91%</b>	<b>69.02%</b>	<b>54.80%</b>	<b>66.07%</b>	<b>68.00%</b>	<b>65.80%</b>	<b>70.98%</b>

#### AVERAGE WEEKLY GENERATION TONNAGE <sup>(1)</sup>

Material Group	Citywide	Density/ High Income	Medium Income	Density/ Low Income	Density/ High Income	Density/ Medium	Density/ Low Income	Density/ High	Medium Income
Paper Total <sup>(2)</sup>	17,512.80	2,843.35	1,304.13	2,647.99	955.56	2,961.41	2,106.03	3,414.66	1,020.42
Plastic Total <sup>(2)</sup>	8,163.11	847.29	654.56	1,754.05	284.90	1,483.80	1,267.22	1,351.81	557.78
Glass Total <sup>(2)</sup>	2,681.54	365.10	165.31	495.39	145.97	485.84	421.11	417.70	175.49
Metal Total <sup>(3)</sup>	2,578.42	230.98	174.53	555.88	93.71	437.97	424.69	469.47	209.88
Organics Total	21,753.21	1,480.50	1,508.01	4,577.50	757.08	3,957.08	3,510.86	4,358.50	1,792.89
Appliance/Electronic Total	566.64	40.41	40.37	101.34	27.78	108.50	104.27	97.18	51.08
C & D Debris Total	2,651.72	145.69	155.38	435.24	82.52	474.76	468.99	637.24	270.18
Miscellaneous Inorganics Total	358.87	26.34	21.02	52.02	16.61	57.05	52.92	99.34	32.60
HHW Total	143.07	12.40	8.90	32.77	4.95	30.34	20.32	23.92	10.50
<b>Grand Total</b>	<b>56,409.37</b>	<b>5,992.06</b>	<b>4,032.22</b>	<b>10,652.18</b>	<b>2,369.08</b>	<b>9,996.77</b>	<b>8,376.41</b>	<b>10,869.84</b>	<b>4,120.81</b>

(1) Tonnage values calculated using DSNY average weekly curbside waste tonnages over the period from September 2004 through September 2005 less the percentage of bulk items as determined in the study. More detail on how and why tonnages from this period were used to estimate generation can be found in Section 2.2.6 in Volume 2.

(2) The paper, plastic, and glass tonnages include the weight of materials both designated and non-designated for recycling.

(3) The metal tonnages do not include the weight of metals found within the appliance/electronic material group.

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