

2013

NYC Curbside Waste Characterization Study



sanitation

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Introduction

During fall 2012 and spring 2013, NYC Department of Sanitation (DSNY) conducted a waste characterization study of the curbside waste stream (2013 study). DSNY periodically conducts these studies to see what has changed in the composition of material collected by DSNY in order to inform future waste management planning. Previous studies have been conducted on the NYC waste stream in 1989-1990 and 2004-2005. The 2013 study was implemented in partnership with Sims Municipal Recycling, and conducted by Mid-Atlantic Solid Waste Consultants.

The 2013 study documented changes in the composition of paper, cardboard, metal, glass, plastic and carton recyclables, and how much of those materials were properly recycled or improperly placed in the trash.

The study also helped to gain a better understanding of the wide variety of plastic products and packaging being discarded in NYC. DSNY has consistently found plastics to be the part of the NYC recycling program that is most confusing to the public. At the time of the study, bottles and jugs were the only plastic products designated for recycling, but NYC was actively engaged in discussions about expanding the program to include other types of plastic items.¹

In addition, the study provided insights into the quantities of containers discarded in NYC that are targeted by the New York State Returnable Container Act (“Bottle Bill”) and proposed expansions.

Lastly, the study also updated our understanding of the quantities of other materials in the waste stream, some of which are targeted for recycling or special handling, including, for example:

- Organics that could be dropped-off or collected for composting
- Electronic waste (e-waste) and other harmful household products that could be recovered for recycling and safe handling through drop-off programs run by DSNY, retailers, community groups, or mail-back programs
- Textiles — clothing, linens, shoes and accessories — that could be donated instead of thrown away

¹ In July 2013, NYC’s recycling rules were updated to include all rigid plastics, in addition to bottles and jugs.

Methodology

Sampling

The study team sampled standard curbside collections — refuse, paper/cardboard recycling (“Paper”), and metal/glass/plastic/carton recycling (“MGP”) — in all five boroughs across two seasons, fall 2012 and spring 2013.

Five hundred sixty nine (569) samples were taken from the universe of roughly 8,800 Refuse, Paper, and MGP routes operated by DSNY at any given time. To achieve statistical significance at the borough level, samples were distributed across boroughs, districts, and sections in conformance with the DSNY route management system, and were also distributed across the six days of the week on which DSNY provides collection services.

Sample weights were targeted at 100 lbs for MGP, 100 lbs for Paper, and 200 lbs for Refuse. This weight target is consistent with both industry literature and also with prior waste studies performed by DSNY.

Standard Curbside Collections:

- Refuse
- MGP
- Paper

Samples:

- 569 collections
- 2 seasons
- 5 boroughs



2013 WCS Sampling Distribution by Season

Data Collection Season	Refuse Samples	MGP Samples	Paper Samples	Total Samples
September 9-29, 2012	256	93	0	349
May 6-17, 2013	0	90	130	220
Total	256	183	130	569

Sorting

Samples were hand sorted into 70 main sort categories. Examples of items in the main sort categories are listed in the Appendix.

In addition, two sub-sorts were conducted to get a more detailed understanding of

- The wide variety of plastics products in the waste stream (135 potential categories)
- Bottle, can and carton discards relevant to the New York State Returnable Container Act, known as the “Bottle Bill” (300 potential categories)

All samples — whether from the refuse, paper, or mgp streams — were sorted into the same categories. Together, this allowed us to calculate the composition of everything New York residents put at the curb — the “aggregate waste.”

The results provide the average composition of Refuse, Paper, MGP, and aggregate waste in DSNY curbside collections. Applying this information to the weight of DSNY collections, month by month, and year by year, enables us to calculate tonnages of different materials that were being discarded or recycled citywide.

In addition, the 2013 sort categories were designed to be comparable to prior waste characterization studies in NYC. Sort categories from the 2013 study and from the 2005 study nest together for a total of 65 comparable material groups.²

We then used NYC household census statistics to calculate a “per household” figure for different materials. This allowed us to compare our results to those in 2004-2005, taking into account the fact that the population, and therefore the number of households, has grown over the last decade.

Main Sort Categories:

- 70

2 Sub-Sort Categories:

- Bottle, Can, and Carton: 300
- Plastic Resin: 135



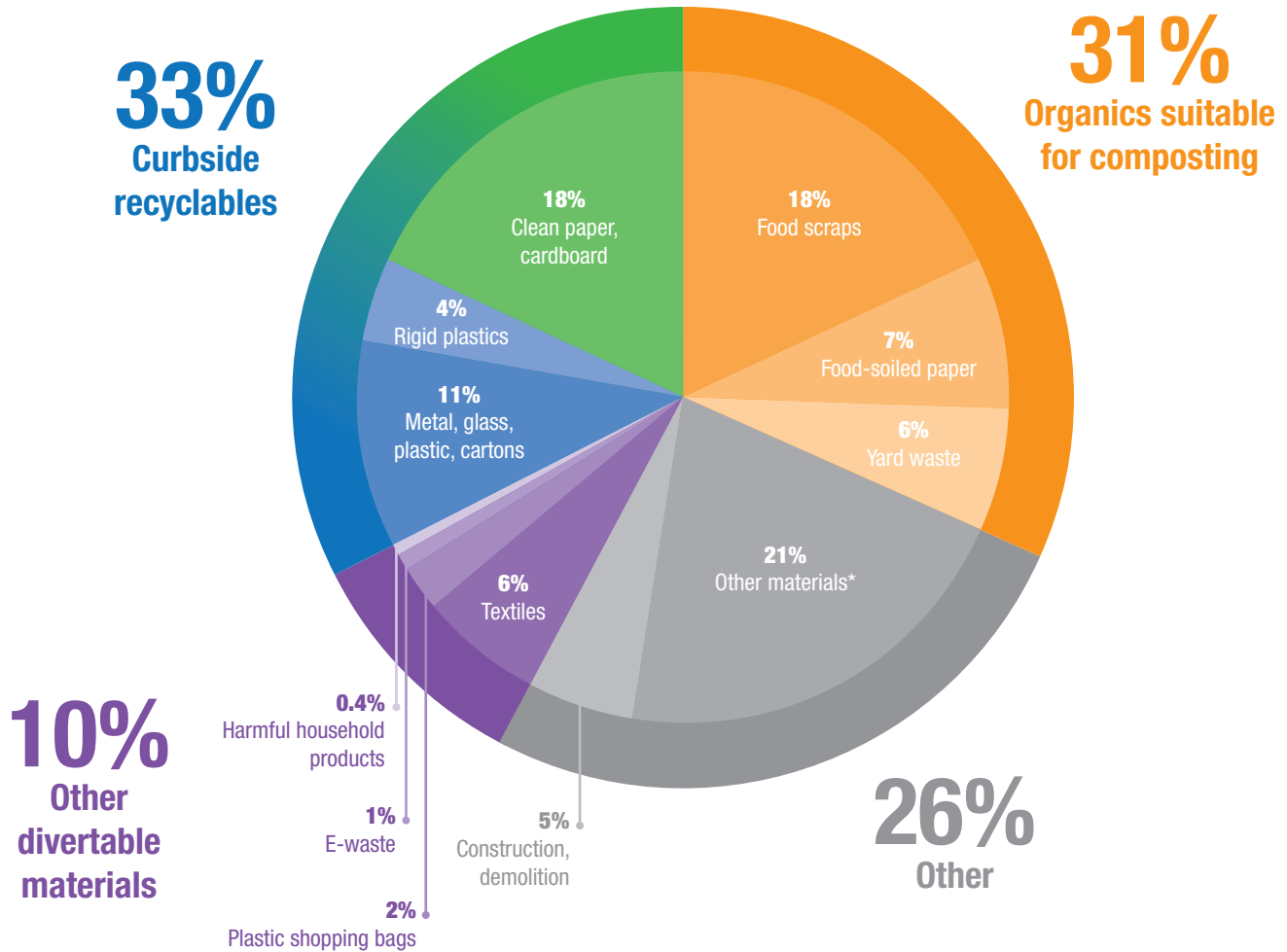
² When comparing the two studies, the number of material groups does not match the number of 2013 sort categories, because a few categories from the 2005 study were collapsed in 2013 and a few categories from the 2013 study were expanded from 2005. For example, the 2005 sort categories “paper bags”, “phone books & paperbacks”, and “mixed low grade paper” were combined into a single “mixed low grade paper” category in 2013. As another example, the 2005 sort category “latex paints/water-based adhesives/glues” was expanded into two categories in 2013 to “water-based adhesives/glues” and “latex paint”.

Major Findings

Results

The tables presented below show the 2013 citywide results of the main waste characterization, and the two sub-sorts. In addition, the results of 2013 are compared with the 2005 study results to show how NYC's waste has changed over the past decade. Citywide and Borough-level statistics for all material categories can be viewed in the Appendix.

2013 Composition of Aggregate Discards



* "Other materials" includes: Non-C&D wood, Film plastics, Disposable diapers & sanitary products, Animal by-products, Carpet/upholstery, Non-recyclable paper products, Expanded polystyrene (foam) plastic, Non-recyclable glass items, Fines, and miscellaneous

Discards are resources! Of everything New Yorkers throw out about 1/3 can be **composted** (orange shades), 1/3 can be **recycled at the curb** (blue & green shades), and 1/10 can be easily **donated or reduced** (purple shades).

What's in the waste?

According to the 2013 study, 33% of the waste stream consists of NYC-designated recyclables³. 31% is made up of organic materials suitable for composting and targeted by NYC's organics collection programs. 6% comprises textiles that could be directed to donation programs. Electronics and other harmful household products, such as paint, pesticides, and mercury devices, are a small share of the waste (1.4%), but have a disproportionate environmental impact. These items have established drop-off recovery programs run by DSNY, retailers, and non-profit programs. Plastic shopping bags (4%) can be recycled through a retailer drop-off program.

About a quarter of the waste (26%) consists of "other" items for which robust recovery outlets do not yet exist in NYC, including small scale building material scrap, furniture and household wood products, disposable diapers, animal by-products, carpeting, and other non-recyclable paper, glass and plastic items.

How has NYC's waste changed since 2005?

Overall, the mix of materials in the waste stream has changed between 2005 and 2013 showing proportionally fewer recyclables than other materials. Paper is down more than 4.5 percentage points, and MGP has decreased by 2 percentage points.

Percentage of Aggregate Waste: 2005 vs. 2013

Material Group	2013	2005
Curbside Recyclables	32.7%	39.4%
Metal, Glass, Plastic & Cartons	10.5%	12.7%
Rigid Plastics (Starting July 2013)	3.9%	3.9%
Paper & Cardboard	18.3%	22.8%
Organics Suitable for Composting	31.5%	28.0%
Food	18.0%	17.7%
Yard Waste	6.1%	4.2%
Compostable Paper	7.5%	6.1%
Other Divertible Materials	10%	8.5%
Textiles	6.2%	4.8%
Plastic Bags	2.3%	2.7%
E-Waste	0.9%	0.6%
Harmful Household Products	0.4%	0.2%
Other	26.0%	24.1%
Construction & Demolition Debris	5.1%	5.2%
"Other Materials"	21.0%	18.9%

³ The pie chart presents rigid plastics (4%) as a recyclable, even though they were not designated as recyclable by rule until after the study was completed.

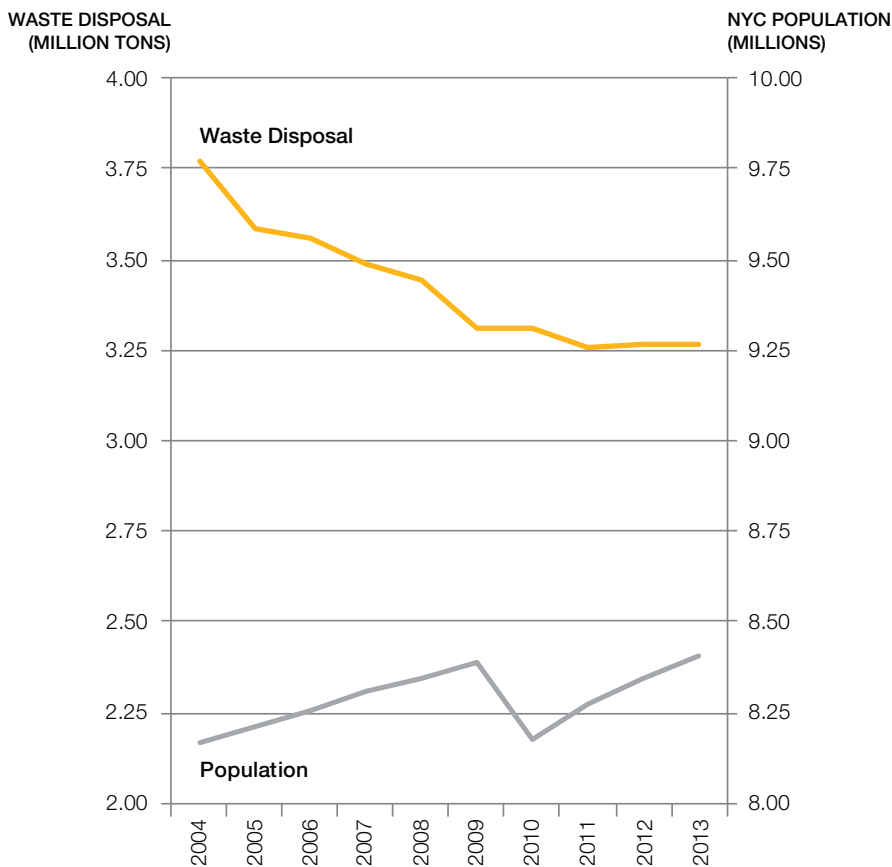
The relative breakdown of waste, as reflected in the pie chart and table above, does not tell the whole story. As one material increases, others shrink proportionately. Another useful way to compare NYC's waste over time is by looking at actual quantities — overall and on a per household basis — to take into account changes in population size.

Overall, NYC disposed of less waste in 2013 than it did in 2005 — about 3.3 million tons down from 3.6 million tons. At the same time, NYC's population has gone up. The average household threw out about 2,000 pounds per year in 2013, down from about 2,280 pounds per year in 2005.

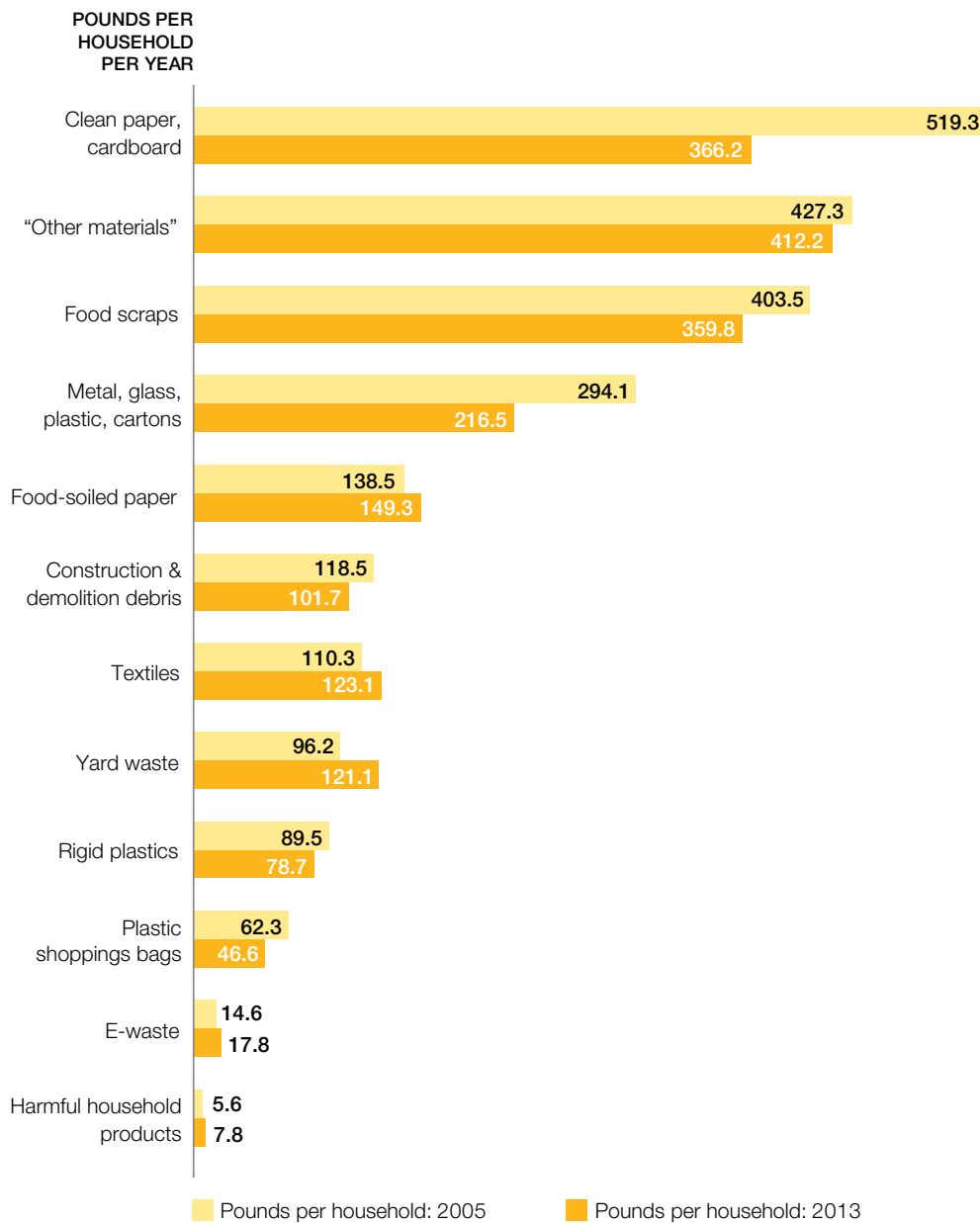
While we have no accurate way to attribute causality to changes in the waste stream, we know that the evolution of consumer products and behaviors, and scavenging of valuable recyclables, play significant roles.

The following pages look in more detail at the specific types of materials discarded by New Yorkers in the Refuse, in Paper, and in MGP.

NYC Waste Generation: FY2004 - FY2013



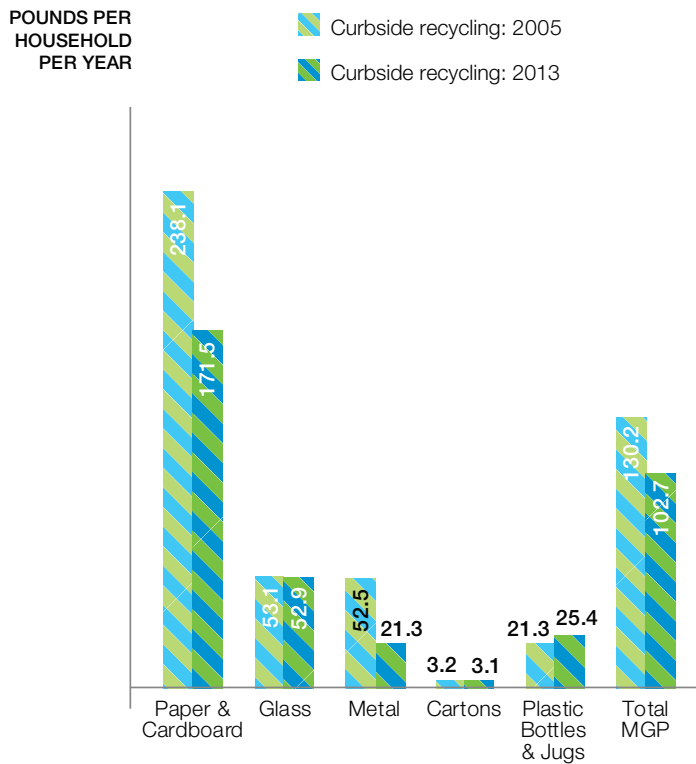
Pounds of Aggregate Discards Per Household: 2005 vs. 2013



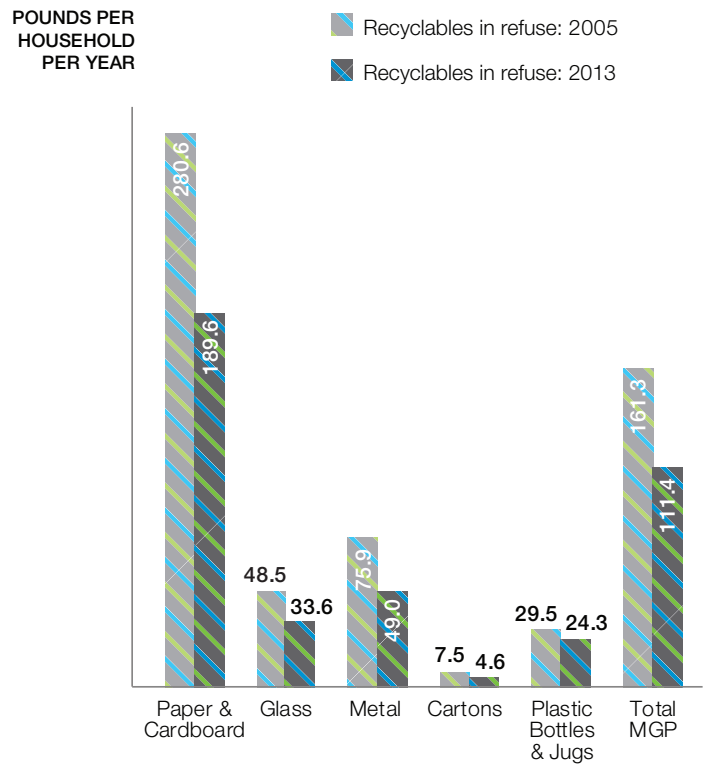
Looking at changes in pounds per household per year helps us understand discards generated by a growing NYC population.

Total Aggregate Discards
 2005: **2,279.6** lbs/hh/yr
 2013: **2,000.6** lbs/hh/yr

Curbside Recycling: 2005 vs. 2013



Recyclables Disposed in Refuse: 2005 vs. 2013



More paper and cardboard are recycled under NYC's curbside program than metal, glass and plastic combined ...yet paper and cardboard remain the single largest under-recycled category of curbside recyclables.

Changes in Recyclables

On a per household basis, between 2005 and 2013, we see substantial decreases in the weight of recyclables collected: Paper, MGP — and also food scraps. Paper is the “biggest loser”. In comparison to 2005, NYC households are throwing 90 pounds less paper per year in refuse, and close to 67 pounds less in recycling. From a waste prevention standpoint, this reduction is large and beneficial. It is important to note, however, that it does diminish the diversion rate, and also impacts the revenues we receive from our paper recycling processors.

Changes in MGP recyclables have not been as dramatic, but are declining as well. Most marked is the drop in metal in both recycling and refuse collections, down 31 pounds and 27 pounds respectively. This again impacts recycling revenues because metal is the most valuable material in MGP collections. Much of this decline appears to be from bulk metal including refrigerators, air conditioners and other white goods illegally collected by scavengers, or being sold by homeowners and building managers directly to scrap dealers, or returned to retailers, as opposed to putting them at the curb.

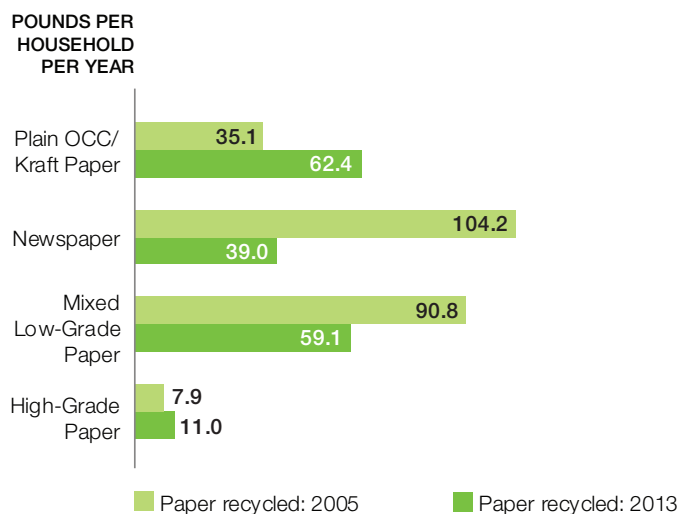
If we look at the different materials categories, more trends become apparent.

Paper

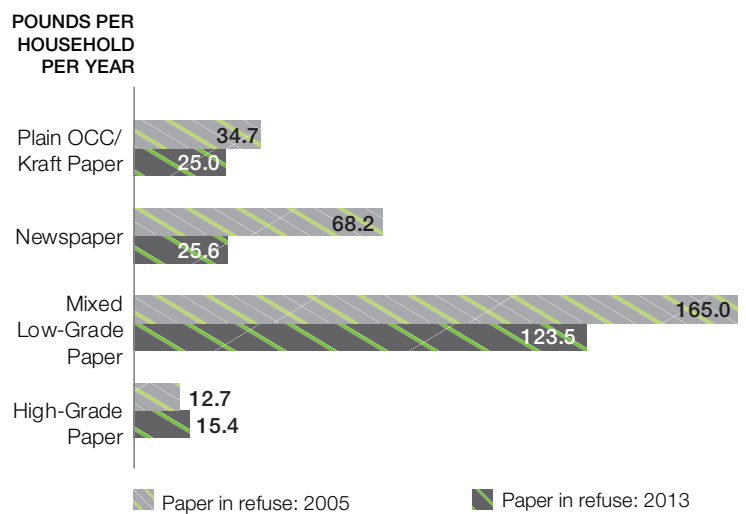
Newspaper has precipitously decreased both in recycling and refuse, but cardboard recycling (“Plain OCC/Kraft Paper”) almost doubled while decreasing in refuse. While mixed/low grade paper has dropped in both recycling and refuse, high grade paper discards remain fairly constant.

Modern Living: With smart phones, tablets and other electronic ways to access the news, the drop in newspaper tonnage is not surprising. The increase in cardboard tonnage may reflect the popularity of online shopping and grocery delivery services.

Paper & Cardboard Recycled: 2005 vs. 2013



Paper & Cardboard Disposed in Refuse: 2005 vs. 2013



Paper has decreased precipitously in discards over the last decade. This reflects changes in our consumer economy: paper is going away, but cardboard boxes (shown here as OCC/Kraft Paper) are holding strong.

Metal

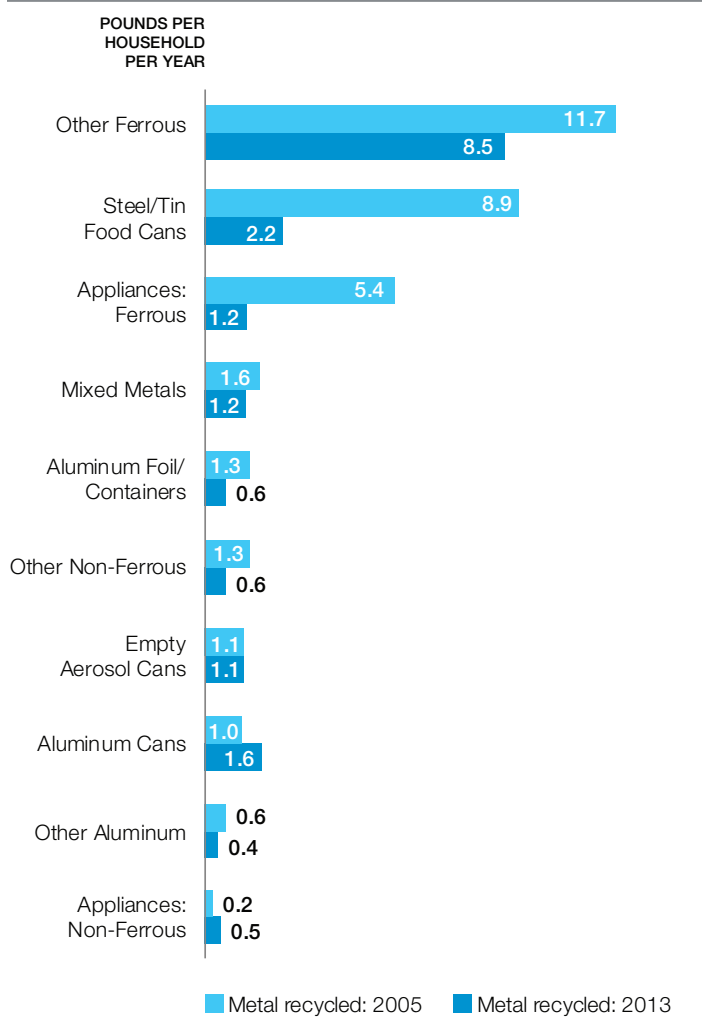
Metal, with the exception of aluminum, has decreased both in recycling, as well as in refuse.

Scavenging: Illegal collections of recyclables or “scavenging” occur when there is a buck to be made. When a commodity sells for high prices, theft of recyclables diligently set out by residents is widespread. The decrease in iron or steel bulk metal (called “ferrous”) is likely due to theft of recyclables during the time period of the 2013 study when scrap metal was selling for a very high price. The Bottle Bill creates another financial incentive for scavenging activity. Bottles and cans that can be redeemed for the 5 cent deposit are routinely scavenged from recycling bags set out at the curb for collection. Deposit scavenging tends to disproportionately target recycling collections more than refuse, as it is easier to see and remove containers from clear bags.

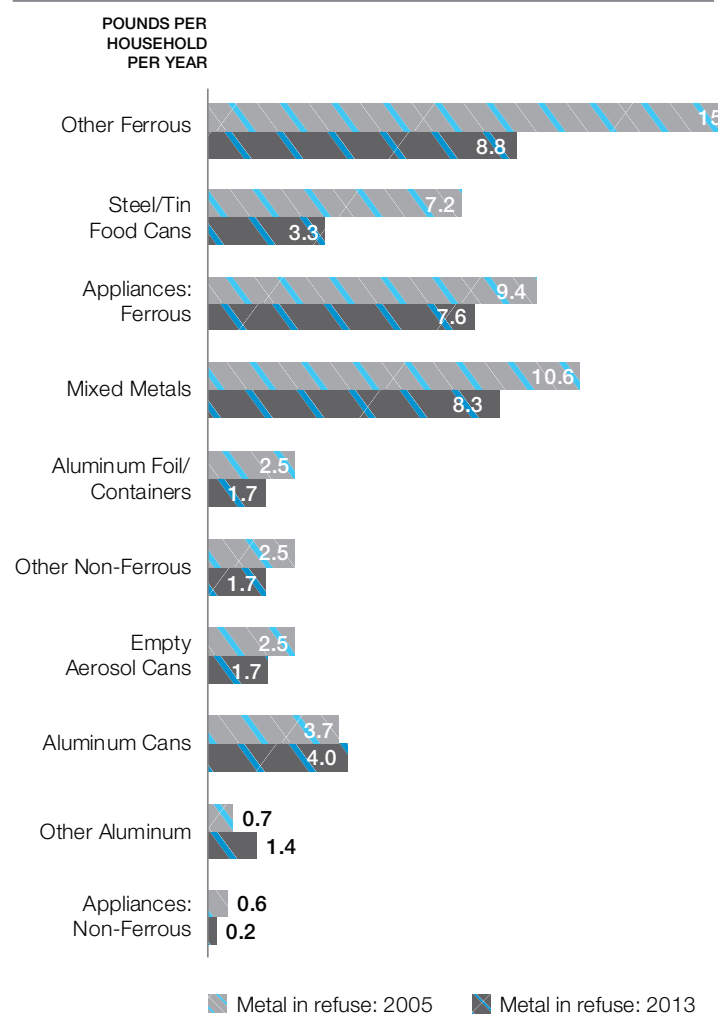
Among metal materials, aluminum cans are typically the only fractions that carry a deposit. (Steel beer cans do exist but are very rare). It is interesting to note that cans have slightly increased in both refuse and recycling, suggesting that scavenging of these materials is not affecting the curbside recycling stream in the same way that bulk metal scavenging has.

Steel can quantities also declined in both recycling and refuse, but probably not due to scavenging. Bulk metal “scavengers” rarely take the time to collect steel food cans, which do not bear a 5 cent deposit and are less valuable to sell as scrap. It is likely that shifts in food packaging away from cans and towards plastic containers and pouches explain this drop.

Metal Recycled: 2005 vs. 2013



Metal Disposed in Refuse: 2005 vs. 2013



Metal in recycling and refuse is declining in collections, largely due to illegal scavenging from the curb and direct sale of scrap metal by householders and building managers.

Plastics

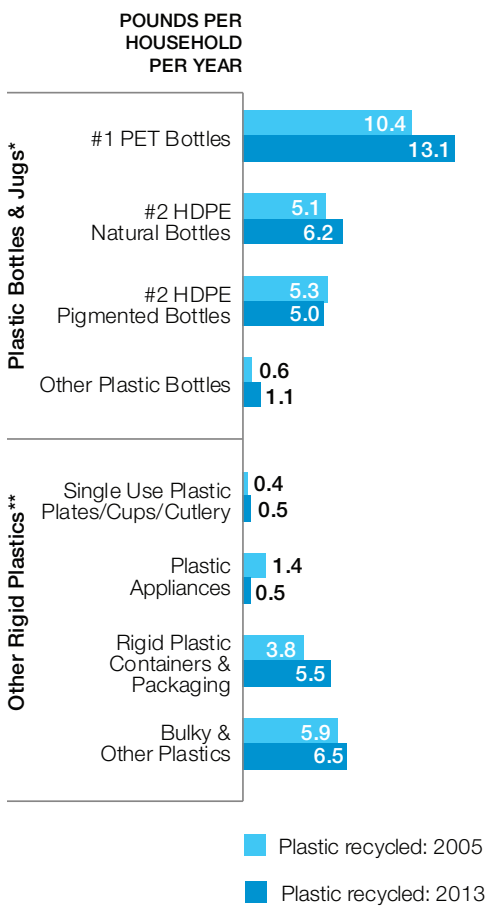
PET bottles, which are used for soda and bottled water, are another type of container likely to bear a five cent deposit. However, it does not appear that scavenging has dramatically reduced plastic bottles in the curbside recycling stream as was anticipated when the Bottle Bill was passed. Rather, PET bottles have increased in recycling and have diminished in refuse. This may reflect a growing use of PET bottles for consumer beverages that are not covered by a deposit, and therefore not a target of scavengers.

In 2013, NYC was at the cusp of a change in rules about which plastics could be included in curbside recycling. At the time of the 2013 WCS, and for the two decades preceding, New

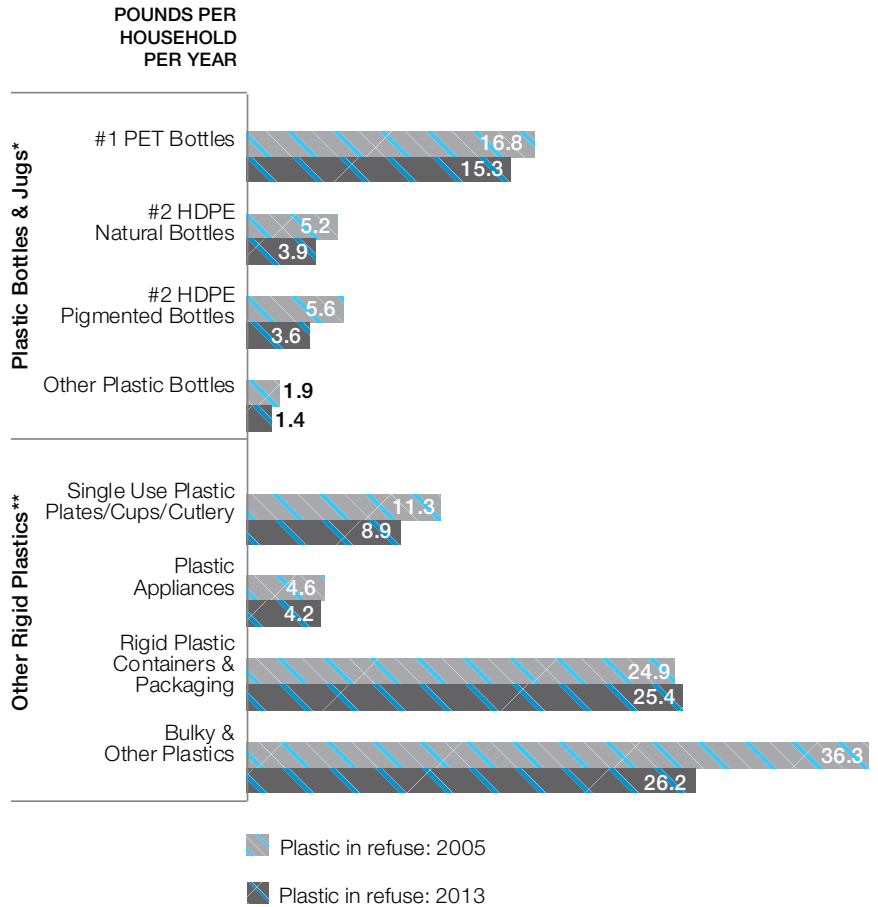
Yorkers had been instructed to recycle only plastic bottles and jugs, and not other types of plastic containers in curbside collections. Shortly after the 2013 WCS, “rigid plastics” were added to the list of recyclable materials, such as tubs, trays, toys, buckets, and other hard or rigid plastics.

Despite the recycling message of “bottles only” at the time of the study, most categories of rigid plastics were on the rise in recycling, with a few exceptions, but were not growing as fast in refuse. This likely reflects confusion by residents about which plastics to recycle in NYC.

Plastic Bottles & Other Rigid Plastics Recycled: 2005 vs. 2013



Plastic Bottles & Other Rigid Plastics Disposed in Refuse: 2005 vs. 2013



*Plastic bottles & jugs were required for recycling in 2013.

**Other rigid plastics were not required for recycling at the time of the 2013 WCS, but were added to the recycling program shortly thereafter.

Plastics are a complex category of curbside recyclables. Shortly after the 2013 WCS, the curbside recycling program was simplified to accept all rigid plastics.

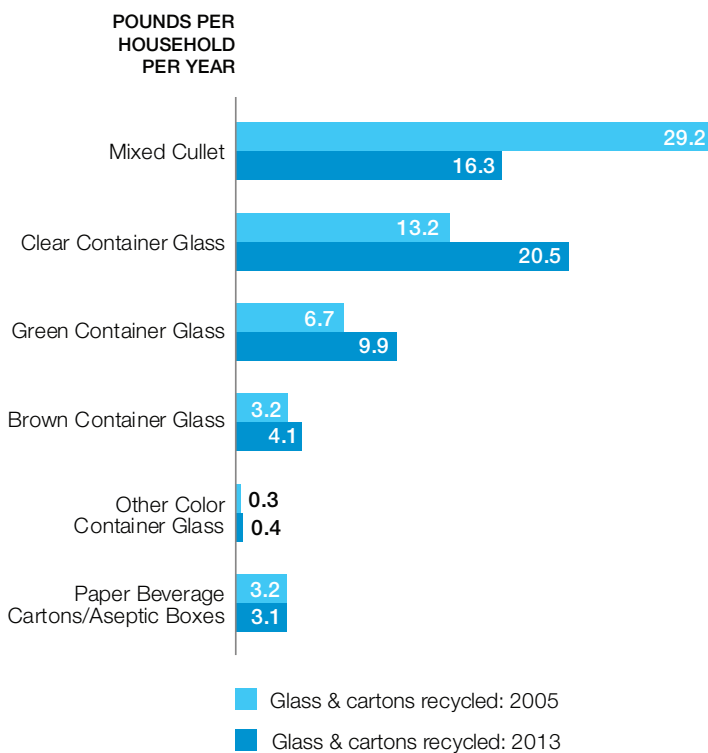
Glass and Cartons

Finally, we round out an examination of changes in curbside recyclables by looking at glass and cartons. As we see, over time there has been a marked decrease in glass cullet (smaller pieces of broken glass) in both recycling and refuse. While the overall quantity of clear, green, and brown glass (containers or large pieces) has remained relatively constant, much more is now captured in the recycling stream.

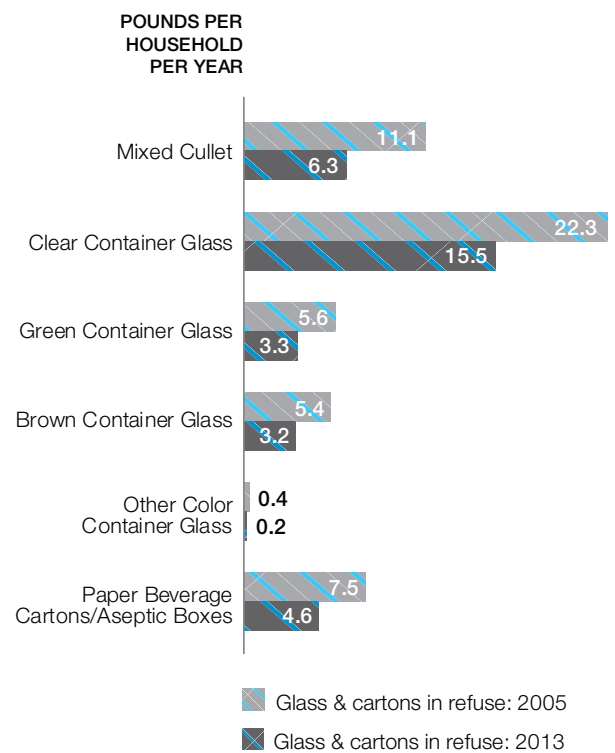
Some of these changes may be the result of different sorting methods implemented between 2005 and 2013. It is possible sorting in 2013 was more careful and included more pieces in sorted clear, green, and brown categories, as opposed to mixed cullet, in recycling.⁴

Overall, households appear to be recycling paper beverage cartons and aseptic boxes in the same quantity, but are throwing out fewer in the refuse.

Glass & Cartons Recycled: 2005 vs. 2013



Glass & Cartons Disposed in Refuse: 2005 vs. 2013



Glass packaging is slowly declining in our discards as it is replaced by lighter weight plastic options.

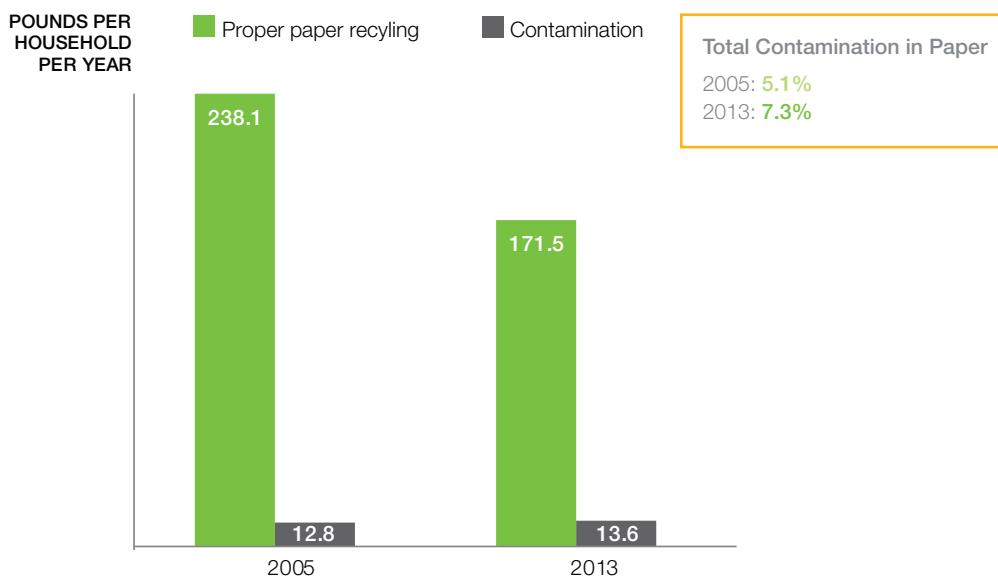
⁴ This phenomenon did not, however, appear to take place with glass in refuse, which decreased in all categories. Glass is more likely to break in recycling collections than in refuse collections because of the cushioning effect of other materials in refuse, so the change in sorting method would not be as pronounced.

Contamination of Recyclables

Between 2005 and 2013, the rate of contamination in both paper recycling and MGP recycling collections increased. Contamination means putting the wrong thing in the recycling bin. It is a problem because it which drives up costs to sort out the valuable commodities and can sometimes reduce the quality of items that have been properly recycled. In some cases, as with plastic bags, wraps, and flexible packaging, contamination jams machinery at the recycling plant. Contaminants that are sorted out of recycling collections usually have to be disposed of as residual refuse.

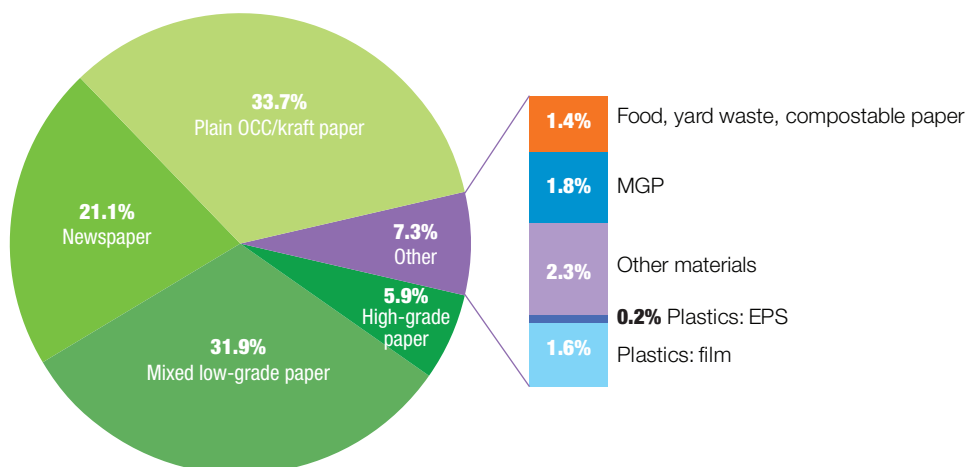
Contamination of paper recycling increased from 5.1% to 7.3%. This level of contamination is considered quite low, and the increase accounts for less than one pound per household per year.

Proper Recycling and Contamination in Paper Recycling Collections: 2005 vs. 2013



Between 2005 and 2013, contamination in paper recycling has increased by a small amount: one pound per household per year.

Contamination: Percentage of 2013 Paper Recycling Collections



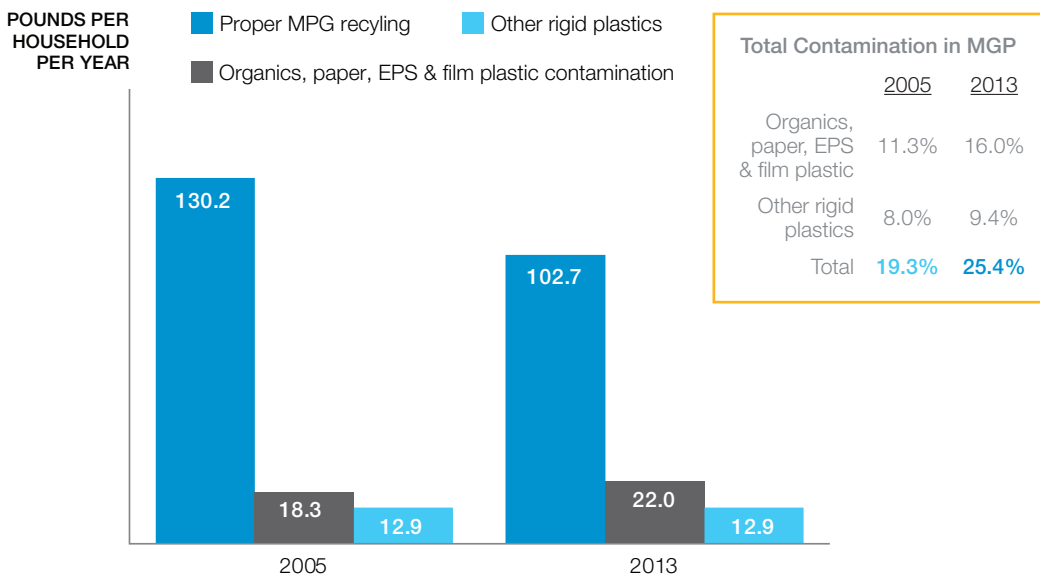
Commingled curbside collections of paper have low contamination rates.

The pie chart above shows what the paper contamination consisted of in the 2013 study. It is relatively evenly divided among compostable materials, items that should have been recycled with MGP, film plastics, and a wide range of other materials.

Contamination of MGP recycling increased from 19.3% to 25.4%. The majority of contaminants in 2005 and again in 2013 are various types of plastics. The only plastics designated for recycling with MGP were plastic bottles and jugs. Plastic tubs, trays, and other hard or rigid containers and products were not allowed, nor were expanded polystyrene “foam” products or plastic film. As we can see, rigid containers made up a large part of MGP “contamination” in both years. As of July 2013, rigid plastics are no longer considered contaminants.

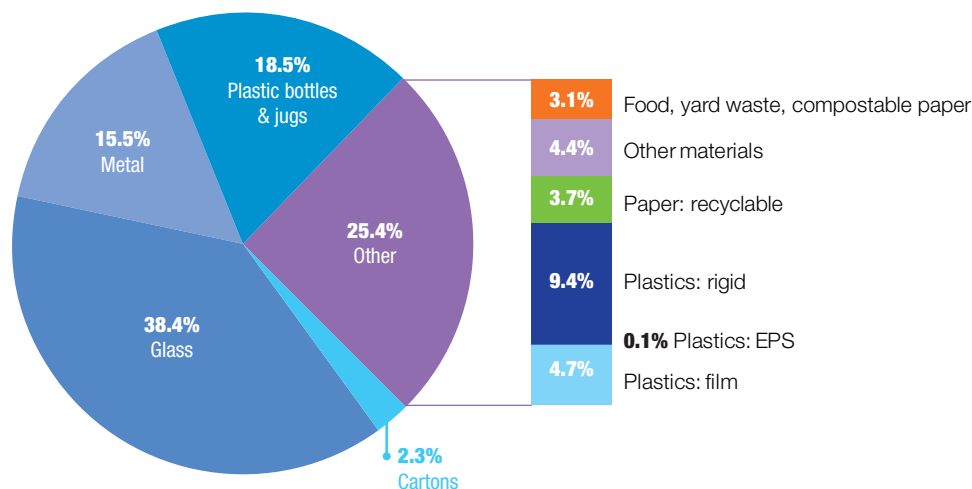
The pie chart shows what the MGP contamination consistent of in the 2013 study. In addition to the various plastic types, the contamination consisted of recyclable paper that should not have been placed in MGP, organics, and a wide range of other materials.

Proper Recycling and Contamination in MGP Recycling Collections: 2005 vs. 2013



Unwanted materials in MGP include organic residues, paper, foam plastics (EPS), and film plastics like bags and wraps.

Contamination: Percentage of 2013 MGP Recycling Collections



Rates of contamination of MGP collections are over 25%, but much of this consists of rigid plastics which are now accepted in the curbside recycling program.

Changes in Other Potentially Divertable Materials

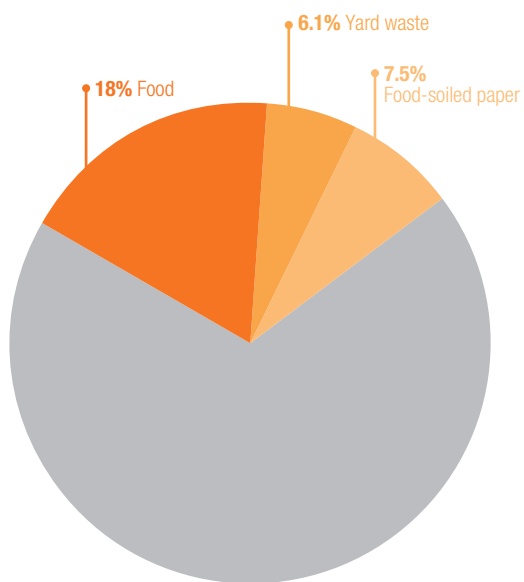
Organics

Organics suitable for composting and anaerobic digestion today make up the largest single category of our discards, totaling around 31.5%. On a percentage basis, this portion is up slightly from 2005 when the total was around 28%.

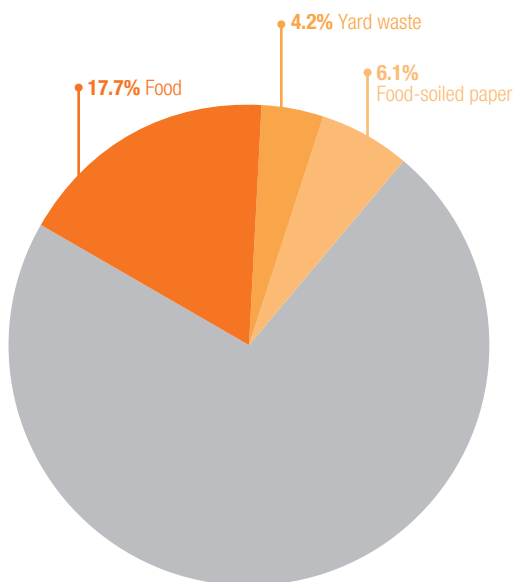
If we look at per household refuse collections, quantities of compostable organics stayed the same, climbing slightly from 623 pounds per year in 2005 to 630 pounds per year in 2013 in total. Compostable paper was slightly up from a decade ago, as was yard waste. However, food scraps have diminished, on average, by close to 50 pounds per household per year.

There is still a great deal of food waste and other compostable organics in New Yorkers' refuse, but it is notable that food waste has declined substantially. The curbside organics collection pilot program was not in effect when the 2013 WCS was conducted, so the decline in food waste on a per household basis can't be attributed to its effect.

Organics in Aggregate Discards: 2013



Organics in Aggregate Discards: 2005

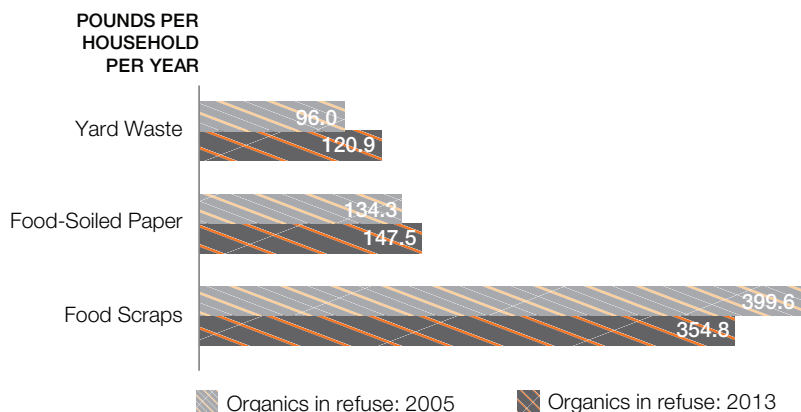


Organics make up the single largest category of our discards.

Percentage of Organics in Aggregate Discards

2005: 28.0%
2013: 31.5%

Organics Disposed in Refuse: 2005 vs. 2013



Food waste has gone down almost 50 pounds per household per year among NYC households.

Total Organics in Refuse

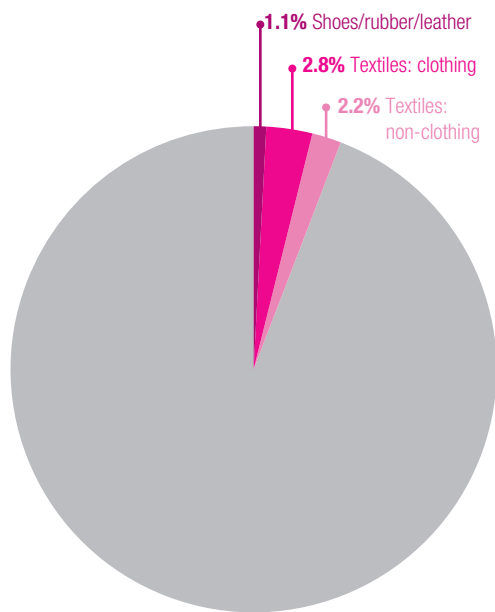
2005: 629.9 lbs/hh/yr
2013: 623.2 lbs/hh/yr

Textiles

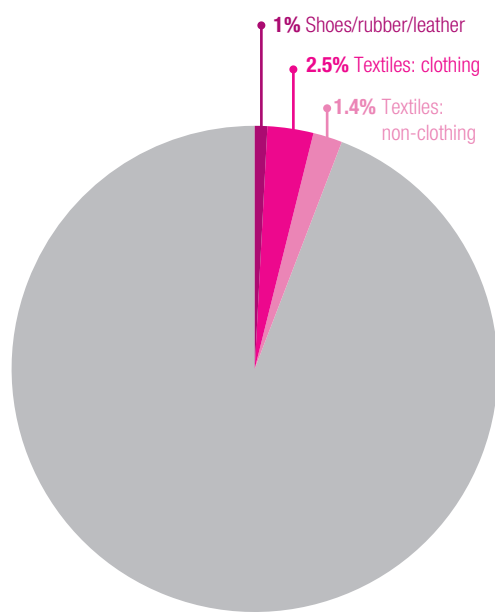
Textiles, including unwanted clothing, linens, and shoes/accessories, are a substantial fraction of what is going to disposal in NYC, despite the existence of an array of programs to encourage donation of such items.

Between 2005 and 2013, quantities on a per household basis of clothing and shoes/accessories have stayed the same. However, non-clothing textiles, which include linens, towels, curtains, stuffed animals, and other cloth housewares (but do not include carpets and rugs or upholstered furniture), increased nearly 15 pounds per household. Reasons for this growth are unknown, but may have to do with continually falling prices for such goods in the consumer market.

Textiles in Aggregate Discards: 2013



Textiles in Aggregate Discards: 2005

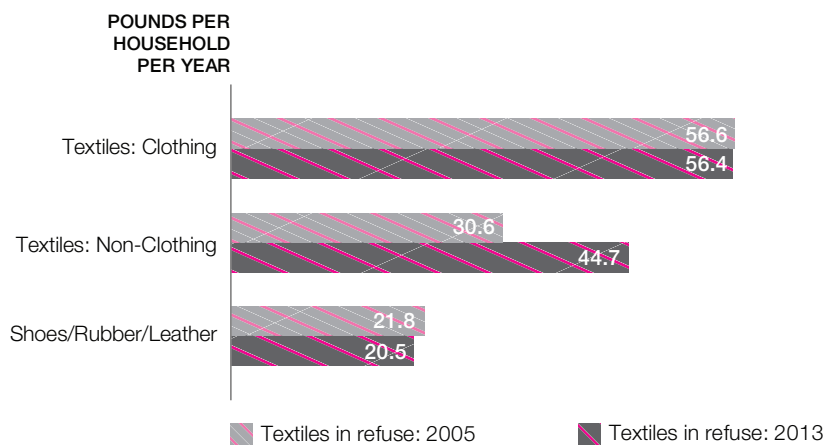


Textiles are a substantial portion of discards. They have ready outlets for reuse and recycling through donation.

Percentage of Textiles in Aggregate Discards

2005: 4.8%
2013: 6.2%

Textiles Disposed in Refuse: 2005 vs. 2013



Quantities of linens, towels, curtains, stuffed animals, and other non-clothing textiles in refuse grew by nearly 15 pounds per household per week between 2005 and 2013.

Total Textiles in Refuse

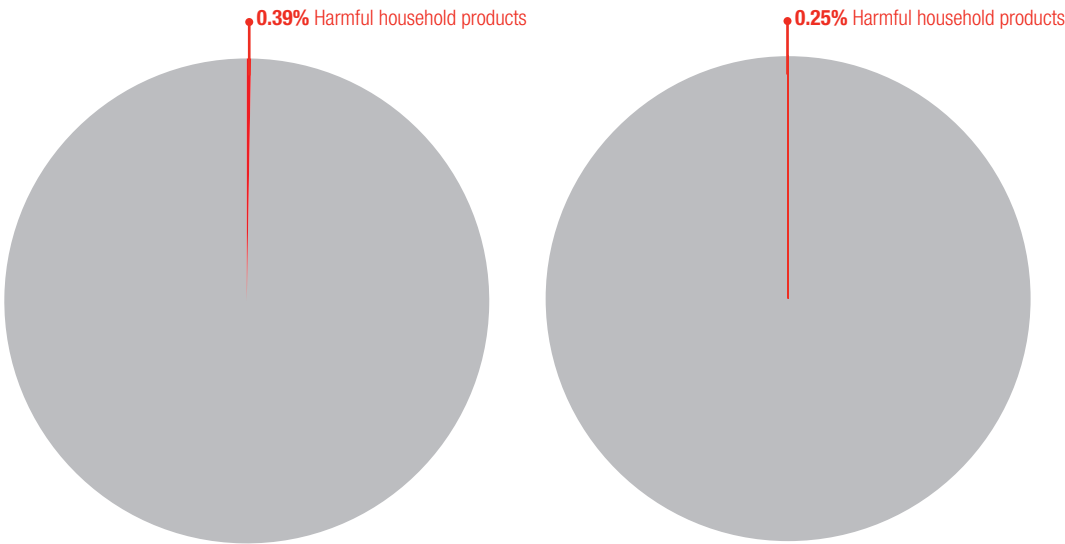
2005: 109.0 lbs/hh/yr
2013: 121.6 lbs/hh/yr

Harmful Household Products

Overall, Harmful Household Products are a very small but potent fraction of discards, and have increased very slightly since 2005, from 0.25% to 0.39% of the aggregate waste. Most of the increase comes from home medical products, dry-cell batteries, and water soluble glues and latex paints. Oil-based paints and solvents, however, have decreased on a per household basis.

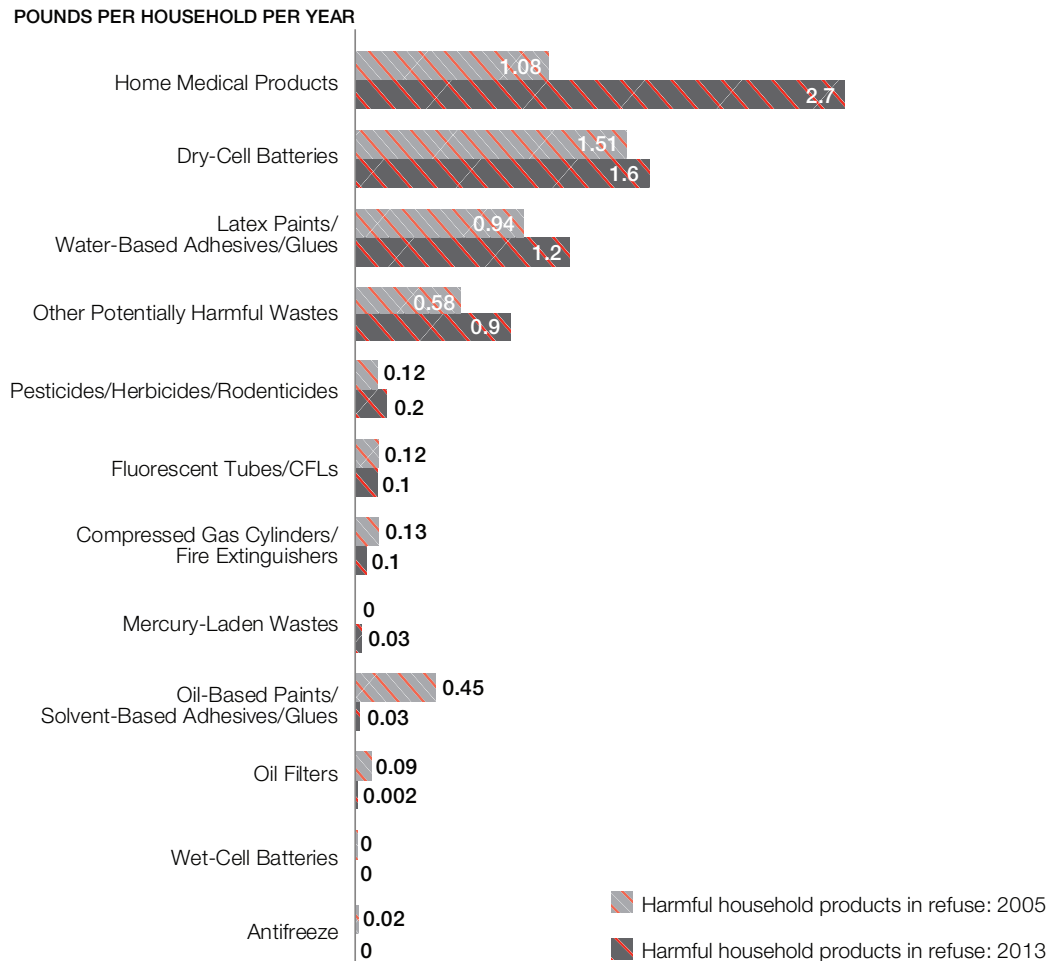
Harmful Household Products in Aggregate Discards: 2013

Harmful Household Products in Aggregate Discards: 2005



Harmful household products are small in overall quantity but are important to keep out of disposed refuse.

Harmful Household Products Disposed in Refuse: 2005 vs. 2013



On average NYC households dispose of a little over six pounds of harmful household products per year, but this varies from household to household.

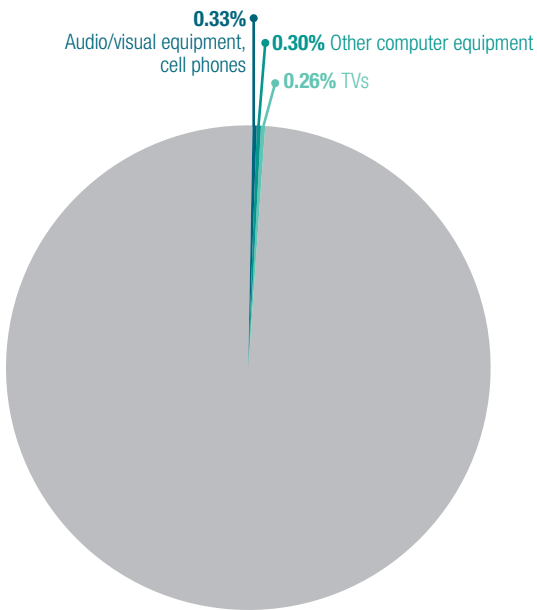
Total Harmful Household Products in Refuse
 2005: **5.0** lbs/hh/yr
 2013: **6.8** lbs/hh/yr

Electronic Waste

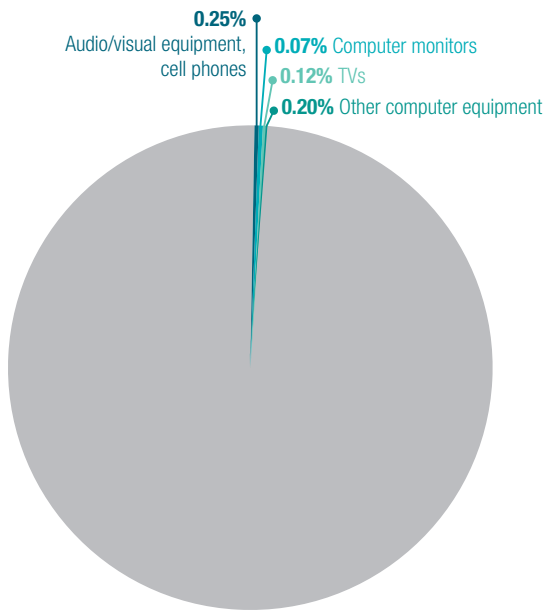
As with harmful household products, electronic waste, or “e-waste”, is a small but growing fraction of residential discards. In 2010, New York State passed the “NYS Electronic Equipment Recycling and Reuse Act” to address this waste stream. Manufacturer and retailer take-back requirements and disposal bans began to take effect in 2011.

On a percentage basis, there was a very slight increase in e-waste from 2005 to 2013. In 2013, it was still legal for residents to dispose of e-waste in refuse, and most discards at that time consists of audio visual equipment and computer peripherals. Televisions were also a substantial fraction of e-waste still disposed in the trash.

E-Waste in Aggregate Discards: 2013



E-Waste in Aggregate Discards: 2005

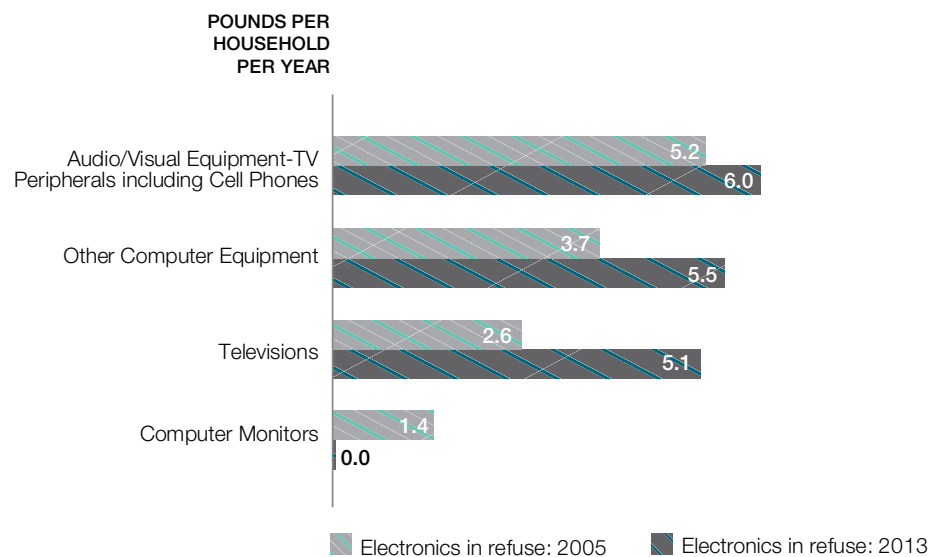


Electronic waste or e-waste has a high profile but is a small fraction by weight of overall discards.

Percentage of E-Waste in Aggregate Discards

2005: **0.64%**
2013: **0.89%**

E-Waste Disposed in Refuse: 2005 vs. 2013



An average of 16 pounds of electronic waste are disposed of per NYC household per year.

Total E-Waste in Refuse

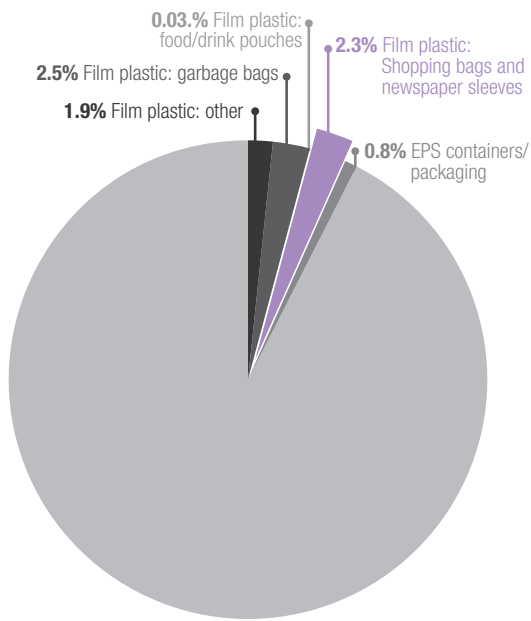
2005: **13.0** lbs/hh/yr
2013: **16.6** lbs/hh/yr

Film and Foam Plastics

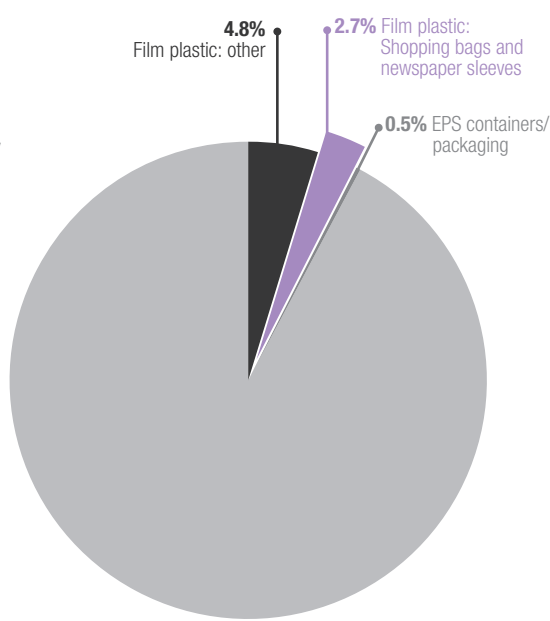
Flexible plastic products, also called “film” plastics, include all types of plastic bags and wraps, as well as items like shower curtains, tarps, and pouches used to hold drinks or baby food. Foam plastic products are most commonly made of expanded polystyrene (EPS) and include packing “peanuts”, protective packing “blocks” or “sheets”, and food service items like coffee cups, plates, and takeout containers.

Together, film and foam plastics make up 7.5% percent of NYC’s discards.

Plastic Films and Foams in Aggregate Discards: 2013



Plastic Films and Foams in Aggregate Discards: 2005

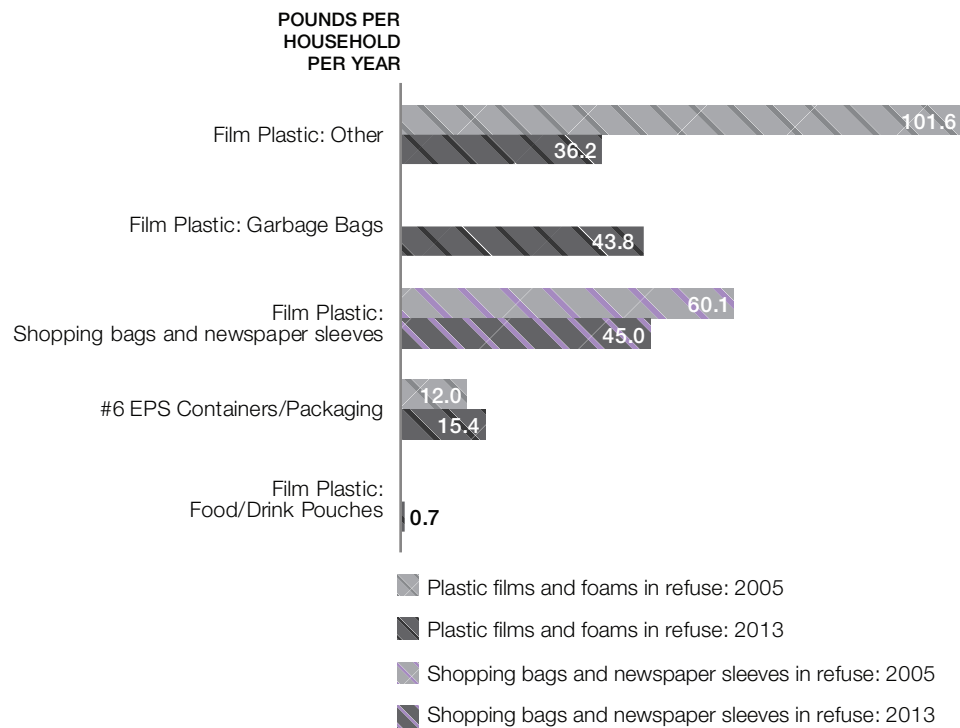


Plastic shopping bags and newspaper sleeves (purple slice) can be recycled under New York State law by bringing them back to retailers. Other film plastics (grey slices) are not recyclable under NYC or NYS programs. Plastic films and foams are lightweight but troublesome, interfering with curbside commingled recycling.

Percentage of Plastic Films and Foams in Aggregate Discards

2005: 8.0%
2013: 7.5%

Plastic Films and Foams Disposed in Refuse: 2005 vs. 2013



An average of 140 pounds of plastic films and foams are disposed of per NYC household per year, most of which is nonrecyclable. Compostable, recyclable, and reuseable alternatives exist.

Total Plastic Films and Foams in Refuse

2005: 173.6 lbs/hh/yr
2013: 141.1 lbs/hh/yr

* Food/drink pouches and garbage bags were included in “Film plastic: other” in 2005.

Film and foam plastics are not included in NYC’s curbside recycling program. Film plastics rip and get caught up in the sorting machinery at the materials recovery facility. Foam plastics can fragment into tiny pieces during processing, and because they are made up primarily of air, they can get caught up in the machinery. Both have to be processed differently from the mix of rigid plastics, glass, metals and beverage cartons that NYC recycles. NYC’s recycling vendor, Sims, does not have markets for the film and foam items that accidentally make it into the recycling stream. Rather this material is treated as “residue” and is disposed.

Plastic shopping bags, 2.3% of discards, can be recycled through a retail store drop off program. The New York State Plastic Bag Reduction, Reuse and Recycling Law requires large retailers to accept plastic carryout bags and ensure they are recycled. As of the time of the study, plastic garbage bags, squeeze pouches and other types of film are not included or accepted under this New York State program.

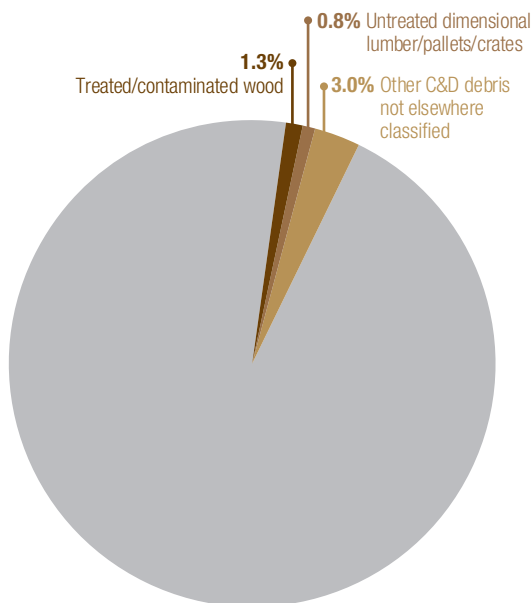
Changes in “Other Materials”

Construction and Demolition Debris

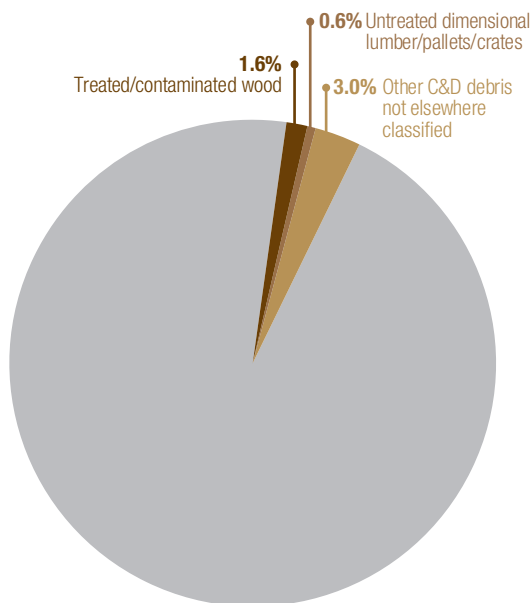
Construction and demolition (C&D) debris that is generated by contractors or fee-for-service workers is considered commercial waste; it is the responsibility of the contractor to arrange for appropriate private disposal. It is legal to dispose of this material in refuse, however, when generated from home-rehab projects (generating six items or less) in bags of no more than 60 lbs or in bales no more than 2 feet high and 4 feet long.

The percentage of construction and demolition debris in overall discards stayed roughly the same from 2005 to 2013, comprising around 5% of total. On a per household generation basis, this material declined slightly from 2005 to 2013.

Construction & Demolition Debris in Aggregate Discards: 2013



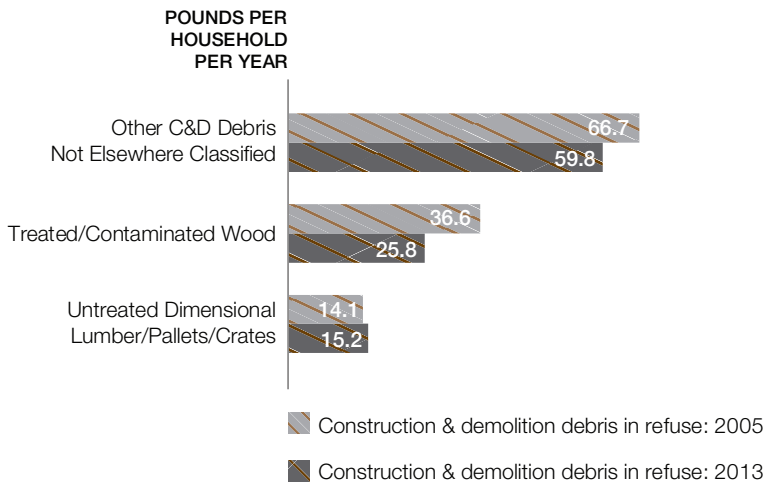
Construction & Demolition Debris in Aggregate Discards: 2005



Debris from construction and demolition has stayed the same as a percentage of aggregate discards between 2005 and 2013.

Percentage of C&D Debris in Aggregate Discards	
2005:	5.2%
2013:	5.1%

Construction & Demolition Debris Disposed in Refuse: 2005 vs. 2013



Construction and demolition debris consists of wood, much of which is treated with chemicals, as well as rock, brick, and drywall.

Total C&D Debris in Refuse
 2005: **117.3** lbs/hh/yr
 2013: **100.8** lbs/hh/yr

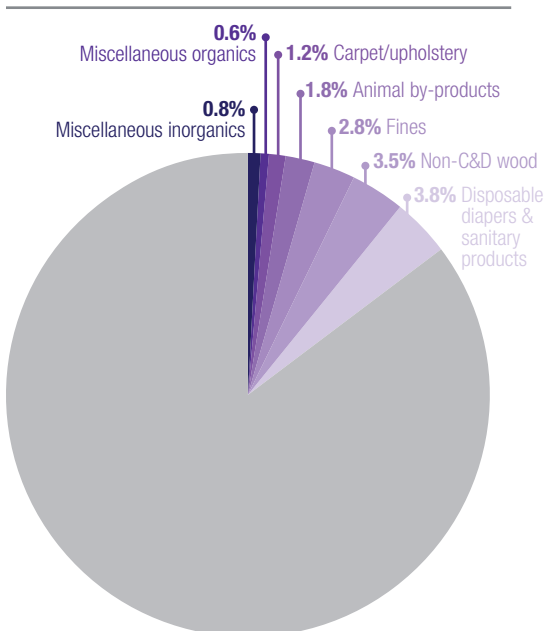
Remaining Materials

The discussion above has covered nearly all materials that are thrown out in refuse or placed in curbside recycling. What remains includes small (fine) and unidentifiable materials in refuse, as well as diapers and hygiene products, wood that is not related to construction, carpet and upholstery, and animal by-products associated with pets.

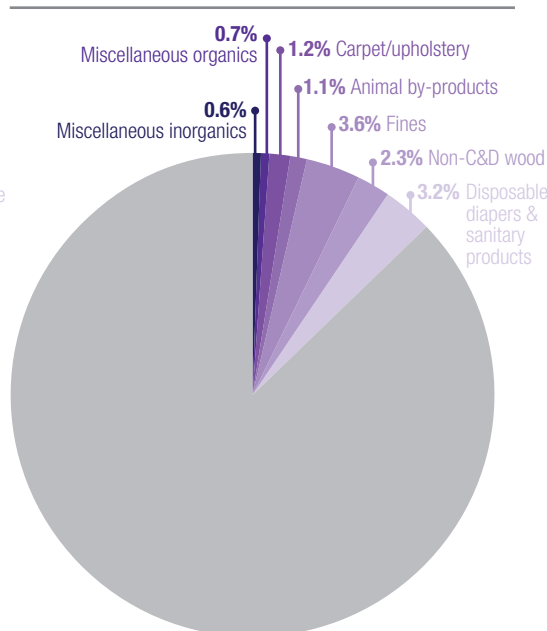
On a percentage basis, these “other materials” have increased as a percentage of overall discards.

In particular, baby and adult diapers and feminine hygiene products are a growing fraction from 3.2% to 3.8% of discards. In 2013, residents were disposing of an average of 76 pounds per household per year. Non-C&D wood and animal by-products have also increased substantially above 2005. Carpets and upholstery discards declined, contributing around 25 pounds per year of refuse per household.

“Other Materials” in Aggregate Discards: 2013



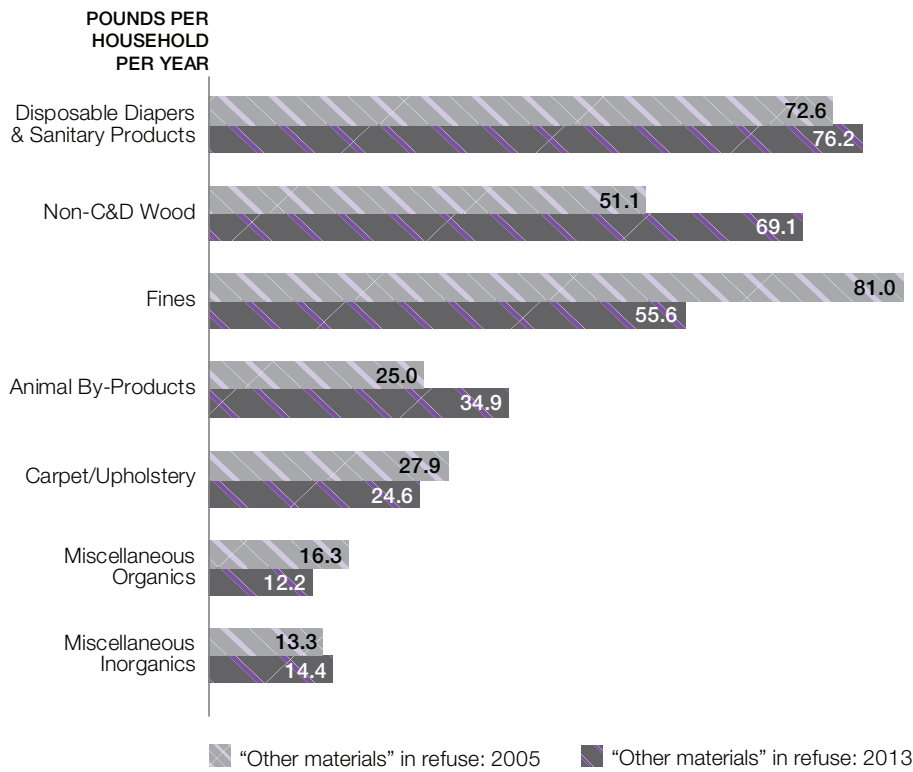
“Other Materials” in Aggregate Discards: 2005



“Other materials” in discards include items that are difficult to recycle, compost, prevent, or reuse.

Percentage of “Other Materials” in Aggregate Discards
 2005: **12.8%**
 2013: **14.5%**

“Other Materials” Disposed in Refuse: 2005 vs. 2013



Total “Other Materials” in Refuse
 2005: **287.2** lbs/hh/yr
 2013: **286.9** lbs/hh/yr

Conclusion

The most important finding of the 2013 Waste Characterization Study is that the quantity, in weight, of items collected for recycling has declined from 2005 to 2013. This decline reflects the gradual disappearance of printed products as well as shifts from heavier metal and glass containers to plastic packaging. It also reflects the trade in scrap metal removed, illegally, from curbside MGP setouts or sold directly by householders and building staff to dealers.

Food scraps in refuse are also on the decline, for reasons that are not as clear but which may relate to the high profile of unnecessary wasting of edible food in the US. Food scraps, yard trimmings and compostable paper still make up the largest fraction of discards, however, making them an appropriate target for new curbside collections for composting. DSNY is currently building the nation's largest curbside organics program to route these materials to use.

Designating all rigid plastics for recycling with MGP will reduce contamination rates, but more needs to be done to address film and EPS plastics that do not lend themselves to commingled curbside collection for recycling.

Through a concerted effort DSNY is pursuing a trajectory of less wasting and more utilization of NYC's discards as a resource. DSNY continues to aggressively pursue programs to divert textiles, e-waste, harmful household products, and organics from disposal. These programs will continue and are expected to contribute to the further decline in discards overall. In addition, DSNY is working with manufacturers, retailers, reuse enterprises, and companies offering less wasteful product alternatives.

Appendix

The Appendix presents 2013 Waste Characterization Study results citywide and for each borough.

- The main sort categories are defined in the table called “Material Category Definitions.”
- The results tables below show the share of each material in the refuse, mgp (metal, glass, plastic & carton recycling), paper (paper & cardboard recycling) streams, and in aggregate.
- The “main” sort consists of 70 material categories, the “bottle, can & carton” subsort consists of 300 potential sort categories, and the plastic subsort consists of 135 potential categories.
- The final results table compares the 2013 study to the 2005 study, and includes a total of 65 aggregate material categories.

Material Category Definitions

Group	Category	Description
Paper	Newspaper	Printed ground wood newsprint (Advertising “slicks” (glossy paper), if found mixed with newspaper; otherwise, ad slicks are included with mixed low grade.)
Paper	Plain OCC/Kraft Paper	Old unwaxed/uncoated corrugated container boxes, and Kraft paper including paper bags
Paper	High Grade Paper	White and lightly colored bond, rag, or stationery grade paper. This includes white or lightly colored sulfite/sulfate bond, copy papers, notebook paper, envelopes, Continuous-feed sulfite/sulfate computer printouts and forms of all types, excluding carbonless copy paper
Paper	Mixed Low Grade Paper	Includes junk mail, magazines, advertising “slicks” (glossy paper) not mixed with newspaper, colored papers, bleached Kraft including bags, boxboard, mailing tubes, carbonless copy paper, ground wood computer printouts, telephone directories, paperback books, hardcover books
Paper	Compostable/Soiled Paper/Waxed OCC/ Kraft	Waxed papers and cardboards, other papers that were soiled with food during use (e.g., pizza box inserts); paper towels, wipes and napkins; paper plates, platters, cups, and bowls
Paper	Other Nonrecyclable Paper	Coated paper frozen food and ice cream containers/packaging and other polycoated papers (excluding polycoated beverage cartons and aseptic packaging); paper with other materials attached (e.g. juice concentrate cans, and spiral notebooks), and other non-recyclable papers such as carbon copy paper, label backing, and photographs, gypsum board tape rolls.
Beverage Cartons	Beverage Cartons and Aseptic Boxes	Beverage and food containers made of bleached and unbleached paperboard coated with HDPE film. This includes polycoated milk, juice and soup containers, and aseptic juice and soup boxes, including those with plastic spouts attached. Excludes juice concentrate cans.
Plastic	#1 PET Bottles and Jars	#1 Polyethylene terephthalate translucent or colored (green, blue, red, amber, yellow, orange and opaque) narrow neck bottles and jars.
Plastic	#2 HDPE Natural Bottles	High-density translucent polyethylene (#2) bottles. Milk, juice, beverage, vinegar, distilled water bottles and jars with necks.
Plastic	#2 HDPE Pigmented Bottles	High-density colored (including opaque white) polyethylene (#2) bottles. Liquid detergent bottles, some hair care bottles and jars with necks. Includes empty motor oil bottles. (Chemical bottles that still contain product are sorted according to that material-for instance, pesticides.)
Plastic	Other Plastic Bottles	All other bottles and jars with necks labeled with resin codes other than #1 and #2, bioplastic, dual-labeled (marked with two resin codes), other labeled, or unlabeled. Includes empty bottles that once held motor oil or other HHP. (Chemical bottles that still contain product are sorted according to the product).
Plastic	Rigid Plastic Containers/Packaging	All non-bottle rigid plastic containers and packaging made of any resin. Thermoform molded trays, clamshells, and other packaging, typically used for food items and made out of #1 PET. White plumbing pipe, identifiable PVC packaging other than PVC bottles/tubs. Injection molded (predominantly #2 & #5 plastic resin) wide mouth containers without a neck, such as cottage cheese and margarine tubs, of any resin type. Includes lids to the tubs and plastic bottle caps, pill bottles, #6 rigid polystyrene containers and packaging. Also clear trays, clamshells, and cases, salad green containers, cookie tray inserts, yogurt, butter and sour cream containers, CD cases. Includes containers and packaging not classified elsewhere, including containers of all types, clamshells, trays, protective packaging, stand-up toothpaste tubes, and plastic spools. Includes empty tubes of toothpaste, lotion, conditioner, body wash and caulk.
Plastic	#6 Expanded Polystyrene	#6 expanded polystyrene (EPS) packaging and finished products. Includes EPS trays used for packaging and shelf display of meats and groceries. Includes Styrofoam plates, cups, bowls and platters, which are Single Use Plates, Cups, and Cutlery.
Plastic	Film: Retail Bags and Sleeves	Plastic bags given to customers by any retail establishment for transporting purchased goods. Includes labeled grocery and merchandise bags, dry cleaner bags, and newspaper sheath bags. Excludes garbage bags, baggies or Ziploc bags; or bags heavily soiled with food.
Plastic	Film: Garbage Bags	Plastic bags designed and marketed to contain garbage, recycling, or other materials for disposal.

Material Category Definitions (Continued)

Group	Category	Description
Plastic	Film Plastic: Food/Drink Pouches	Drink pouches made of multi-layer film plastic and including foil.
Plastic	Film Plastic: All Other Film	Other film bags not elsewhere classified and other plastic film products. Film that is heavily contaminated with food, liquid or grit during use (including baggies, Ziploc bags and plastic wraps); is woven together (e.g., grain bags); contains multiple layers of film or other materials that have been fused together (e.g., potato chip bags).
Plastic	Single-Use Plates, Cups, Cutlery (Excluding EPS)	Plastic single use spoons, forks, knives, plates, cups, cup lids, bowls, straws, and platters of various resins. Excludes expanded polystyrene (EPS).
Plastic	Appliances: Plastic	Small and large electric appliances made predominantly (> 50%) of plastic.
Plastic	Bulks/Rigid Plastic	Bulky rigid plastic items larger in size than a breadbox. Includes plastic furniture, tools, toys, plastic crates and soda bottle carriers. Includes 5-gal buckets and large planters. Excludes plastic appliances.
Plastic	Other Plastic Materials Not Elsewhere Classified	Plastic items made entirely of plastic or predominantly of plastic not elsewhere classified. As a rule of thumb, smaller in size than a breadbox. Includes pens and markers, lighters, 3-ring binders, small toys and housewares, toothbrushes, razors, dental floss containers, CD/DVDs, VHS tapes.
Glass	Clear Container Glass	Manually sortable, recyclable clear glass bottles and jars that are greater than 2" x 2"
Glass	Green Container Glass	Manually sortable, recyclable green glass bottles and jars that are greater than 2" x 2"
Glass	Brown Container Glass	Manually sortable, recyclable brown glass bottles and jars that are greater than 2" x 2"
Glass	Other Color Container Glass	Manually sortable, recyclable blue, yellow, red and other color glass bottles and jars that are greater than 2" x 2"
Glass	Mixed Cullet	Broken glass of any color not manually sortable (under 2" x 2"); glass shards
Glass	Other Glass	Window glass, mirrors, light bulbs (except fluorescent tubes), decorative glassware (e.g. vases), decorative glass bottles (e.g. perfume bottles), drinking glasses, other noncontainer glass.
Metal	Aluminum Cans	Aluminum beverage and food cans and bi-metal cans made mostly of aluminum.
Metal	Aluminum Foil/Containers	Aluminum food containers, trays, and foil.
Metal	Other Aluminum	Aluminum products and scrap that are 50% or more aluminum by weight, such as window frames, cookware.
Metal	Other Nonferrous	Non-aluminum metals not derived from iron, to which a magnet will not adhere, and which are not significantly contaminated with other metals or materials. Includes copper, brass, lead, stainless steel, zinc.
Metal	Steel/Tin Food Cans	Steel food containers, including bi-metal cans mostly of steel. Includes removed steel lids.
Metal	Empty Aerosol Cans	Empty, mixed material/metal aerosol cans. (Aerosols that still contain product are sorted according to that material — for instance, solvent-based paint.)
Metal	Other Ferrous	Ferrous and alloyed ferrous scrap metals to which a magnet adheres and which are not significantly contaminated with other metals or materials. Includes ferrous metal caps/lids to containers of other material types.
Metal	Mixed Metals	Items that are predominately metal with other materials attached such as motors, insulated wire, and finished products containing a mixture of metals, or metals and other materials, that are not classified in the "small appliances" section below. Includes pieces of white goods. Included certain non-computer insulated wiring such as holiday light strands if the wiring is half or more of the weight.
Metal	Appliances: Ferrous	Large and small electric appliances made predominantly of ferrous metal (steel). Includes large appliances such as washers, dryers, stoves, refrigerators, dishwashers, etc. Includes small appliances such as toasters, microwave ovens, power tools, curling irons, and light fixtures.
Metal	Appliances: Nonferrous	Large and small electric appliances made predominantly of non-ferrous metal (stainless steel).

Material Category Definitions (Continued)

Group	Category	Description
Organic	Yard Waste	Any plant materials from a yard or garden area. Includes grass clippings, leaves, weeds, garden wastes, prunings, trimmings, limbs, stumps, etc. Also includes cut flowers and house plants.
Organic	Food	Vegetative and non-vegetative food wastes and scraps. Includes vegetative food wastes such as vegetables and fruit as well as dairy, meat, bones, shells, husks, rinds, and prepared foods etc. Also includes vitamins and supplements. Excludes food containers, except when container weight is not appreciable compared to the food inside and separation is not practical.
Organic	Non-C&D Wood	Wood products not associated with C&D activities. Includes furniture, popsicle sticks, chopsticks, wooden spoons, and other miscellaneous household wood products. Also includes clean, stained, painted and composite woods, wicker, and box springs.
Organic	Textiles: Non-Clothing	Non-clothing fabrics made of rag stock fabric materials of natural or synthetic textiles, such as cotton, wool, silk, woven nylon, rayon, and polyester. Includes handbags, linens, draperies, tablecloths, nylon rope.
Organic	Textiles: Clothing	All clothing textiles. Includes cloth diapers and fabrics made of natural or synthetic textiles, such as cotton, wool, silk, woven nylon, rayon, and polyester.
Organic	Carpet/Upholstery	General category of flooring applications and non-rag stock textiles consisting of various natural or synthetic fibers bonded to some type of backing material. Includes mattresses and cushions made only of urethane foam with upholstered exterior.
Organic	Disposable Diapers & Sanitary Products	Diapers and sanitary products made from a combination of natural and/or synthetic fibers, and made for the purpose of single use. This includes disposable baby diapers, adult protective undergarments, and feminine hygiene products.
Organic	Animal By-Products	Animal carcasses not resulting from food storage or preparation. Also includes animal wastes, and kitty litter.
Organic	Shoes/Rubber/Leather	Finished products and scrap materials made of leather, and natural and synthetic rubber. Includes leather jackets, belts, bags, purses, shoes, sneakers, sandals, and boots, bath mats, inner tubes, garden and rubber hoses, foam rubber, tire pieces, latex gloves.
Organic	Fines	Small organic items that are smaller than 1/2 inch and fell through the screen on the sort table.
Organic	Miscellaneous Organics	Items of organic origin not elsewhere classified. Include wax, bar soap, carpet padding, cigarette butts, briquettes, and fireplace, burn barrel and fire pit ash, vacuum cleaner bags and contents, sponges. Also includes pet food and hair. Includes traditional mattresses made of a combination of foam and metal coil construction with upholstered exterior.
Electronics	Audio/Visual Equipment (TV Peripherals-Covered)	Electronic A/V equipment covered by the NYS Electronics Recycling Law. Includes VCRs, digital video recorders, DVD players, digital converter boxes, cable or satellite receivers, electronic or video game consoles. Includes any batteries that are still inside the devices.
Electronics	Audio/Visual Equipment (Non-Covered)	Electronic A/V equipment not covered by the NYS Electronics Recycling Law. Includes Radios, Stereos, Tape Decks, Cameras, GPS devices, Cell phones, Calculators. Includes any batteries that are still inside the devices.
Electronics	Computer Monitors	Items other than televisions containing a cathode ray tube (CRT) such as computer monitors and laptops. Also includes flat screen monitors
Electronics	Televisions	Television sets containing a cathode ray tube (CRT) and flat screen TVs.
Electronics	Other Computer Equipment	Computer items not containing CRTs such as processors, mice and mouse pads, keyboards, and disk drives, cords and cables, portable devices (portable digital music player, tablet, e-readers etc.), printers, scanners, servers. Includes both computer cords and regular extension cords.
Constr. Debris	Untreated Dimension Lumber, Pallets, Crates	Untreated, milled lumber commonly used in construction for framing and related uses. Includes 2 x 4's, 2 x 6's, etc.
Constr. Debris	Treated/Contaminated/Composite Wood	Lumber and wood products that have been painted or treated so as to render them difficult to compost (with generally 50% or more of the surface area treated). Includes painted and chemically treated lumber, plywood, strandboard, and particleboard. Also includes wood and lumber products that are mixed with other materials in such a way that they cannot easily be separated.

Material Category Definitions (Continued)

Group	Category	Description
Constr. Debris	Other C&D Debris Not Elsewhere Classified	Construction debris (other than wood, plastic and metal) that cannot be classified elsewhere, and mixed fine building material scraps. Includes clean and painted gypsum drywall, fiberglass insulation, rock/concrete/bricks, asphaltic and other roofing, fixtures, etc.
Harmful Household Products	Oil Filters	Metal oil filters used in cars and other automobiles.
Harmful Household Products	Antifreeze	Full or partially full containers of anti-freeze.
Harmful Household Products	Wet-Cell Batteries	Wet-cell batteries of various sizes and types as commonly used in automobiles. Includes lead-acid batteries.
Harmful Household Products	Water-Based Adhesives/Glues	Water or resin/volatile solvent-based glues and adhesives, including epoxy, rubber cement, two-part glues and sealers, and auto body fillers.
Harmful Household Products	Latex Paint	Latex paint
Harmful Household Products	Oil-Based Paint/Solvent	Oil-based paints, varnishes, and similar products. Various solvents, including chlorinated and flammable solvents, paint strippers, solvents contaminated with other products such as paints, degreasers and some other cleaners if the primary ingredient
Harmful Household Products	Pesticides/Herbicides/Rodenticides	Variety of poisons with the purpose of discouraging or killing insects, weeds, vermin, or microorganisms. Fungicides and wood preservatives, such as pentachlorophenol, are also included.
Harmful Household Products	Dry-Cell Batteries	Dry-cell batteries of various sizes and types as commonly used in households. Includes cell phone and button cell batteries.
Harmful Household Products	Fluorescent Tubes/CFLs	Fluorescent light tubes and compact fluorescent light bulbs (CFL).
Harmful Household Products	Mercury-Laden Wastes	Thermostats, thermometers, and other items containing mercury. Excludes fluorescent bulbs.
Harmful Household Products	Compressed Gas Cylinders, Fire Extinguishers	An apparatus, typically a metal container, containing chemicals or gas, held under pressure.
Harmful Household Products	Home Medical Products	Syringes, IV Bags, medical tubing
Harmful Household Products	Other Potentially Harmful Wastes	Caustic acids and bases whose primary purpose is to clean surfaces, unclog drains, or perform other actions; photography chemicals, chemistry sets; household disinfectants and pool chemicals; gasoline/diesel fuels; motor oils and automotive fluids not elsewhere classified; smoke detectors, explosives.
Misc.	Miscellaneous Inorganics	Other inorganic materials not classified elsewhere. Includes ceramics, full or partially full containers of non-hazardous cleaning & hygiene products, fabric softener sheets and Brita filters.

Waste Composition Main Sort Categories: All Material Streams

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Paper	27.0%	21.3%	6.9%	94.5%	
Newspaper	3.3%	1.5%	0.7%	21.1%	Designated Paper
Plain OCC/Kraft Paper	4.4%	1.5%	0.5%	33.7%	Designated Paper
High Grade Paper	1.3%	0.9%	0.1%	5.9%	Designated Paper
Mixed Low Grade Paper	9.3%	7.4%	2.4%	31.9%	Designated Paper
Paper: Compostable/ Soiled/Waxed OCC/Kraft	7.5%	8.8%	0.5%	0.6%	Organics Suitable for Composting
Other Nonrecyclable Paper	0.9%	0.9%	0.5%	0.9%	Other
Paper Beverage Cartons/ Aseptic Boxes	0.4%	0.3%	2.3%	0.3%	Designated MGP
Plastic	14.0%	13.7%	32.7%	2.5%	
#1 PET Bottles	1.4%	0.9%	9.5%	0.2%	Designated MGP
#2 HDPE Natural Bottles	0.5%	0.2%	4.5%	0.1%	Designated MGP
#2 HDPE Pigmented Bottles	0.4%	0.2%	3.6%	0.0%	Designated MGP
Other Plastic Bottles	0.1%	0.1%	0.8%	0.0%	Designated MGP
Rigid Plastic Containers/ Packaging	1.6%	1.5%	4.0%	0.2%	Designated MGP (after study completed)
Single Use Plastic Plates/ Cups/Cutlery (excluding EPS)	0.5%	0.5%	0.3%	0.0%	Designated MGP (after study completed)
Appliances: Plastic	0.2%	0.3%	0.4%	0.0%	Designated MGP (after study completed)
Bulk/Rigid Plastic	0.9%	0.8%	3.2%	0.1%	Designated MGP (after study completed)
Other Plastics	0.8%	0.8%	1.5%	0.2%	Designated MGP (after study completed)
#6 EPS Containers/ Packaging (including Single Use)	0.8%	0.9%	0.1%	0.2%	Other
Film Plastic: Retail Bags/ Sleeves	2.3%	2.7%	0.9%	0.2%	Plastic Bags
Film Plastic: Garbage Bags	2.5%	2.6%	3.2%	1.1%	Other
Film Plastic: Food/Drink Pouches	0.0%	0.0%	0.0%	0.0%	Other
Film Plastic: All Other Film	1.9%	2.2%	0.6%	0.3%	Other
Glass	4.4%	2.0%	38.4%	0.4%	
Clear Container Glass	1.8%	0.9%	14.9%	0.1%	Designated MGP
Green Container Glass	0.7%	0.2%	7.2%	0.0%	Designated MGP
Brown Container Glass	0.4%	0.2%	3.0%	0.0%	Designated MGP
Other Color Container Glass	0.0%	0.0%	0.3%	0.0%	Designated MGP
Mixed Cullet	1.1%	0.4%	11.9%	0.1%	Designated MGP
Other Glass	0.4%	0.3%	1.2%	0.1%	Other

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Metal	3.5%	2.9%	15.5%	0.3%	
Aluminum Cans	0.3%	0.2%	1.2%	0.0%	Designated MGP
Aluminum Foil/Containers	0.5%	0.5%	0.8%	0.0%	Designated MGP
Other Aluminum	0.1%	0.1%	0.3%	0.0%	Designated MGP
Other Non-Ferrous	0.1%	0.1%	0.4%	0.0%	Designated MGP
Steel/Tin Food Cans	0.9%	0.5%	6.2%	0.1%	Designated MGP
Empty Aerosol Cans	0.1%	0.1%	0.8%	0.0%	Designated MGP
Other Ferrous	0.8%	0.7%	3.0%	0.1%	Designated MGP
Mixed Metals	0.4%	0.5%	0.9%	0.0%	Designated MGP
Appliances: Ferrous	0.3%	0.2%	1.6%	0.0%	Designated MGP
Appliances: Non-Ferrous	0.0%	0.0%	0.3%	0.0%	Designated MGP
Organics	43.9%	51.8%	3.9%	1.8%	
Yard Waste	6.1%	7.2%	0.1%	0.0%	Organics Suitable for Composting
Food	18.0%	21.1%	2.6%	0.8%	Organics Suitable for Composting
Textiles: Non-Clothing	2.2%	2.7%	0.1%	0.1%	Textiles
Textiles: Clothing	2.8%	3.4%	0.1%	0.1%	Textiles
Shoes/Rubber/Leather	1.1%	1.2%	0.2%	0.3%	Textiles
Non-C&D Wood	3.5%	4.1%	0.1%	0.1%	Other
Carpet/Upholstery	1.2%	1.5%	0.0%	0.0%	Other
Disposable Diapers/Sanitary Products	3.8%	4.5%	0.1%	0.1%	Other
Animal By-Products	1.8%	2.1%	0.0%	0.0%	Other
Fines	2.8%	3.3%	0.6%	0.2%	Other
Miscellaneous Organics	0.6%	0.7%	0.1%	0.1%	Other
E-Waste	0.9%	1.0%	0.7%	0.1%	
Audio/Visual Equipment: TV Peripherals (Covered)	0.1%	0.1%	0.2%	0.0%	E-Waste
Audio/Visual Equipment: Other (Non-Covered)	0.2%	0.2%	0.2%	0.0%	E-Waste
Computer Monitors	0.0%	0.0%	0.0%	0.0%	E-Waste
Televisions	0.3%	0.3%	0.0%	0.0%	E-Waste
Other Computer Equipment	0.3%	0.3%	0.3%	0.0%	E-Waste
Construction & Demolition	5.1%	6.0%	0.3%	0.2%	
Untreated Dimensional Lumber/Pallets/Crates	0.8%	0.9%	0.0%	0.0%	C&D
Treated/Contaminated Wood	1.3%	1.5%	0.0%	0.1%	C&D
Other C&D Debris Not Elsewhere Classified	3.0%	3.6%	0.3%	0.2%	C&D

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Harmful Household Products	0.4%	0.4%	0.6%	0.1%	
Oil Filters	0.0%	0.0%	0.0%	0.0%	HHP
Antifreeze	0.0%	0.0%	0.0%	0.0%	HHP
Wet-Cell Batteries	0.0%	0.0%	0.0%	0.0%	HHP
Water-Based Adhesives/ Glues	0.0%	0.0%	0.1%	0.0%	HHP
Latex Paint	0.1%	0.1%	0.3%	0.0%	HHP
Oil-Based Paint/Solvent	0.0%	0.0%	0.1%	0.0%	HHP
Pesticides/Herbicides/ Rodenticides	0.0%	0.0%	0.0%	0.0%	HHP
Dry-Cell Batteries	0.1%	0.1%	0.0%	0.0%	HHP
Fluorescent Tubes/CFLs	0.0%	0.0%	0.0%	0.0%	HHP
Mercury-Laden Wastes	0.0%	0.0%	0.0%	0.0%	HHP
Compressed Gas Cylinders/Fire Extinguishers	0.0%	0.0%	0.0%	0.0%	HHP
Home Medical Products	0.1%	0.2%	0.1%	0.0%	HHP
Other Potentially Harmful Wastes	0.0%	0.1%	0.0%	0.0%	HHP
Miscellaneous Inorganics	0.8%	0.9%	0.9%	0.1%	
Miscellaneous Inorganics	0.8%	0.9%	0.9%	0.1%	Other
Totals	100%	100%	100%	100%	

Beverage Container Composition: Percentage of Waste Stream

Beverage Container Subsort	Soda	Beer	Water	Iced Tea/ Juice Drinks	Sports Drinks	Other New Age Drinks	Wine	Spirits	Milk/Soy/Dairy	100% Fruit & Vegetable Juices	Food	Non-Food/ Non-Beverage	Beverage > 1 Gallon	Empty HHP	Indistinguishable	Total
Paper Beverage Cartons/Aseptic Boxes	0.0%	--	--	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	--	--	0.0%	0.4%
#1 PET Clear/Green Bottles	0.2%	--	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.1%	--	0.0%	0.0%	1.3%
#1 PET Other Color Bottles	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
#2 HDPE Natural Bottles	0.0%	0.0%	0.1%	0.0%	--	0.0%	--	0.0%	0.2%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.5%
#2 HDPE Pigmented Bottles	--	--	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.4%
#3 PVC Bottles	--	--	--	--	--	--	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
#4 LDPE/LLDPE Bottles	--	--	--	0.0%	--	--	--	--	--	--	0.0%	0.0%	--	--	0.0%	0.0%
#5 PP Rigid Bottles	--	--	0.0%	0.0%	--	0.0%	--	--	0.0%	--	0.0%	0.0%	--	0.0%	0.0%	0.1%
#6 PS Rigid Bottles	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#7 Other Bottles	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dual Numbered Plastic Bottles	--	--	--	0.0%	--	0.0%	--	--	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
Unlabeled Plastic Bottles	--	--	0.0%	0.0%	--	0.0%	--	--	--	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BioPlastic Bottles	--	--	0.0%	0.0%	--	--	--	--	--	--	--	0.0%	--	--	--	0.0%
Film Plastic: Food/Drink Pouches	--	--	--	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
Clear Container Glass	0.1%	0.2%	0.0%	0.3%	0.0%	0.0%	0.2%	0.3%	0.0%	0.0%	0.6%	0.1%	--	--	0.0%	1.8%
Green Container Glass	0.1%	0.1%	0.0%	0.0%	--	0.0%	0.4%	0.0%	--	0.0%	0.0%	0.0%	--	--	0.0%	0.7%
Brown Container Glass	0.0%	0.2%	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	--	--	0.0%	0.4%
Other Color Container Glass	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	--	--	0.0%	0.0%	--	--	0.0%	0.0%
Aluminum Cans	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.1%	--	--	0.0%	0.3%
Steel/Tin Food Cans	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	0.1%	0.0%	0.7%	0.1%	--	0.0%	0.0%	0.9%
Total	0.4%	0.6%	0.3%	0.8%	0.1%	0.1%	0.6%	0.4%	0.5%	0.3%	1.8%	0.8%	0.0%	0.0%	0.0%	7.0%

Plastic Resin Composition: Percentage of Waste Stream

Resin Subsort	Type	#1 PET Clear/Green	#1 PET Other Color	#2 HDPE Natural	#2 HDPE Pigmented	#3 PVC	#4 LDPE/LLDPE	#5 PP Rigid	#5 PP Expanded	#6 PS Rigid	#6 PS Expanded	#7 Other	Dual Numbered	Other Labeled Resin	Polyethylene Film (HD/LD/LLD)	Non-PE Film	BioPlastic	Unlabeled Resin	Total
Plastic Bottles	Rigid Containers/Packaging	1.3%	0.1%	0.5%	0.4%	0.0%	0.0%	0.1%	--	0.0%	--	0.0%	0.0%	--	--	--	0.0%	0.0%	2.5%
#1 PET Thermoforms	Rigid Containers/Packaging	0.2%		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2%
Tubs/Lids Excluding #6 Polystyrene	Rigid Containers/Packaging	0.0%		0.0%	0.0%	0.0%	0.0%	0.3%	--	--	--	0.0%	0.0%	--	--	--	--	0.3%	0.7%
#6 Rigid Polystyrene Containers/Packaging	Rigid Containers/Packaging	--		--	--	--	--	--	--	0.2%	--	--	--	--	--	--	--	--	0.2%
Other Rigid Containers/Packaging	Rigid Containers/Packaging	0.0%		0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	--	--	0.0%	0.0%	--	--	--	0.0%	0.4%	0.6%
Single Use Plastic Plates/Cups/Cutlery	Other Rigid Plastic	0.0%		--	--	--	--	0.1%	--	0.2%	0.3%	0.0%	--	--	--	--	0.0%	0.2%	0.8%
Appliances: Plastic	Other Rigid Plastic	--		0.0%	0.0%	--	--	0.0%	--	0.0%	--	--	--	--	--	--	--	0.2%	0.2%
Bulk/Rigid Plastic: Crates/Soda Bottle Carriers	Other Rigid Plastic	--		--	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	0.0%	0.0%
Bulk/Rigid Plastic: Toys/Housewares	Other Rigid Plastic	--		0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	--	0.0%	--	--	--	0.6%	0.7%
Bulk/Rigid Plastic: Other Durable	Other Rigid Plastic	0.0%		0.0%	0.1%	--	0.0%	0.0%	--	0.0%	--	0.0%	--	--	--	--	--	0.1%	0.2%
Other PVC	Other Rigid Plastic	--		--	--	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	0.0%
Other Plastics	Other Rigid Plastic	0.0%		0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	--	--	--	0.7%	0.7%
#6 EPS Containers/Packaging	Expanded Polystyrene	--		--	--	--	--	--	--	--	0.5%	--	--	--	--	--	--	--	0.5%
Film Plastic: Retail Bags and Sleeves	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.3%	--	--	--	2.3%
Film Plastic: Garbage Bags	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.5%	--	--	--	2.5%
Film Plastic: Food/Drink Pouches	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	0.0%
Film Plastic: Other #2/#4 Polyethylene	Film	--		--	--	--	--	--	--	--	--	--	--	--	0.8%	--	--	--	0.8%
Film Plastic: Other Non-PE/Contaminated	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	1.1%	--	--	1.1%
Total		1.7%		0.5%	0.6%	0.1%	0.0%	0.6%	0.0%	0.3%	0.8%	0.0%	0.0%	0.0%	5.6%	1.1%	0.0%	2.5%	14.0%

Waste Composition Main Sort Categories: All Material Streams

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Paper	23.0%	19.3%	6.8%	93.5%	
Newspaper	2.3%	1.4%	0.4%	16.2%	Designated Paper
Plain OCC/Kraft Paper	3.7%	1.4%	0.4%	41.4%	Designated Paper
High Grade Paper	1.1%	0.7%	0.2%	7.2%	Designated Paper
Mixed Low Grade Paper	7.9%	7.1%	2.0%	26.3%	Designated Paper
Paper: Compostable/ Soiled/Waxed OCC/Kraft	6.5%	7.3%	0.4%	1.2%	Organics Suitable for Composting
Other Nonrecyclable Paper	0.9%	0.9%	0.7%	1.0%	Other
Paper Beverage Cartons/ Aseptic Boxes	0.5%	0.4%	2.6%	0.3%	Designated MGP
Plastic	15.7%	15.1%	38.3%	2.8%	
#1 PET Bottles	1.8%	1.2%	11.4%	0.2%	Designated MGP
#2 HDPE Natural Bottles	0.6%	0.3%	5.7%	0.0%	Designated MGP
#2 HDPE Pigmented Bottles	0.5%	0.3%	3.9%	0.0%	Designated MGP
Other Plastic Bottles	0.1%	0.1%	0.8%	0.0%	Designated MGP
Rigid Plastic Containers/ Packaging	1.4%	1.3%	4.0%	0.2%	Designated MGP (after study completed)
Single Use Plastic Plates/ Cups/Cutlery (excluding EPS)	0.3%	0.4%	0.3%	0.1%	Designated MGP (after study completed)
Appliances: Plastic	0.4%	0.5%	0.4%	0.0%	Designated MGP (after study completed)
Bulk/Rigid Plastic	1.4%	1.2%	5.4%	0.2%	Designated MGP (after study completed)
Other Plastics	0.8%	0.7%	1.9%	0.1%	Designated MGP (after study completed)
#6 EPS Containers/ Packaging (including Single Use)	0.9%	1.0%	0.1%	0.2%	Other
Film Plastic: Retail Bags/ Sleeves	2.5%	2.8%	0.7%	0.2%	Plastic Bags
Film Plastic: Garbage Bags	3.1%	3.2%	3.4%	1.3%	Other
Film Plastic: Food/Drink Pouches	0.0%	0.1%	0.0%	0.0%	Other
Film Plastic: All Other Film	1.9%	2.1%	0.3%	0.4%	Other
Glass	4.2%	2.5%	33.6%	0.7%	
Clear Container Glass	2.0%	1.2%	14.7%	0.3%	Designated MGP
Green Container Glass	0.3%	0.1%	4.0%	0.0%	Designated MGP
Brown Container Glass	0.5%	0.4%	3.4%	0.0%	Designated MGP
Other Color Container Glass	0.0%	0.0%	0.3%	0.0%	Designated MGP
Mixed Cullet	1.1%	0.5%	10.0%	0.2%	Designated MGP
Other Glass	0.3%	0.2%	1.2%	0.1%	Other

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Metal	3.9%	3.4%	14.7%	0.4%	
Aluminum Cans	0.4%	0.3%	0.9%	0.0%	Designated MGP
Aluminum Foil/Containers	0.5%	0.5%	0.9%	0.0%	Designated MGP
Other Aluminum	0.2%	0.2%	0.0%	0.0%	Designated MGP
Other Non-Ferrous	0.1%	0.1%	0.2%	0.0%	Designated MGP
Steel/Tin Food Cans	1.2%	0.9%	7.7%	0.1%	Designated MGP
Empty Aerosol Cans	0.1%	0.1%	1.0%	0.0%	Designated MGP
Other Ferrous	0.4%	0.4%	1.9%	0.0%	Designated MGP
Mixed Metals	0.2%	0.2%	0.4%	0.0%	Designated MGP
Appliances: Ferrous	0.8%	0.8%	1.0%	0.0%	Designated MGP
Appliances: Non-Ferrous	0.0%	0.0%	0.6%	0.1%	Designated MGP
Organics	46.4%	52.2%	3.7%	1.6%	
Yard Waste	3.5%	3.9%	0.0%	0.0%	Organics Suitable for Composting
Food	19.0%	21.3%	2.7%	0.5%	Organics Suitable for Composting
Textiles: Non-Clothing	2.5%	2.9%	0.1%	0.1%	Textiles
Textiles: Clothing	3.7%	4.2%	0.1%	0.0%	Textiles
Shoes/Rubber/Leather	1.2%	1.4%	0.2%	0.1%	Textiles
Non-C&D Wood	4.6%	5.2%	0.1%	0.1%	Other
Carpet/Upholstery	1.3%	1.5%	0.0%	0.0%	Other
Disposable Diapers/Sanitary Products	4.0%	4.6%	0.1%	0.2%	Other
Animal By-Products	2.2%	2.5%	0.0%	0.0%	Other
Fines	3.4%	3.8%	0.4%	0.5%	Other
Miscellaneous Organics	0.8%	0.9%	0.1%	0.1%	Other
E-Waste	0.7%	0.7%	1.0%	0.0%	
Audio/Visual Equipment: TV Peripherals (Covered)	0.1%	0.1%	0.1%	0.0%	E-Waste
Audio/Visual Equipment: Other (Non-Covered)	0.4%	0.4%	0.6%	0.0%	E-Waste
Computer Monitors	0.0%	0.0%	0.0%	0.0%	E-Waste
Televisions	0.0%	0.0%	0.0%	0.0%	E-Waste
Other Computer Equipment	0.2%	0.2%	0.3%	0.0%	E-Waste
Construction & Demolition	5.2%	5.9%	0.1%	0.8%	
Untreated Dimensional Lumber/Pallets/Crates	0.3%	0.3%	0.0%	0.1%	C&D
Treated/Contaminated Wood	1.0%	1.1%	0.0%	0.0%	C&D
Other C&D Debris Not Elsewhere Classified	4.0%	4.5%	0.0%	0.7%	C&D

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Harmful Household Products	0.3%	0.3%	0.4%	0.1%	
Oil Filters	0.0%	0.0%	0.0%	0.0%	HHP
Antifreeze	0.0%	0.0%	0.0%	0.0%	HHP
Wet-Cell Batteries	0.0%	0.0%	0.0%	0.0%	HHP
Water-Based Adhesives/ Glues	0.0%	0.0%	0.1%	0.0%	HHP
Latex Paint	0.0%	0.0%	0.0%	0.0%	HHP
Oil-Based Paint/Solvent	0.0%	0.0%	0.1%	0.0%	HHP
Pesticides/Herbicides/ Rodenticides	0.0%	0.0%	0.0%	0.0%	HHP
Dry-Cell Batteries	0.1%	0.1%	0.1%	0.1%	HHP
Fluorescent Tubes/CFLs	0.0%	0.0%	0.0%	0.0%	HHP
Mercury-Laden Wastes	0.0%	0.0%	0.0%	0.0%	HHP
Compressed Gas Cylinders/Fire Extinguishers	0.0%	0.0%	0.0%	0.0%	HHP
Home Medical Products	0.1%	0.2%	0.0%	0.0%	HHP
Other Potentially Harmful Wastes	0.0%	0.0%	0.1%	0.0%	HHP
Miscellaneous Inorganics	0.7%	0.7%	1.4%	0.0%	
Miscellaneous Inorganics	0.7%	0.7%	1.4%	0.0%	Other
Totals	100%	100%	100%	100%	

Beverage Container Composition: Percentage of Waste Stream

Beverage Container Subsort	Soda	Beer	Water	Iced Tea/ Juice Drinks	Sports Drinks	Other New Age Drinks	Wine	Spirits	Milk/Soy/Dairy	100% Fruit & Vegetable Juices	Food	Non-Food/ Non-Beverage	Beverage > 1 Gallon	Empty HHP	Indistinguishable	Total
Paper Beverage Cartons/Aseptic Boxes	0.0%	--	--	0.2%	0.0%	0.0%	--	0.1%	0.2%	0.1%	0.0%	0.0%	--	--	--	0.5%
#1 PET Clear/Green Bottles	0.3%	--	0.2%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.2%	--	--	0.0%	1.6%
#1 PET Other Color Bottles	0.0%	--	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
#2 HDPE Natural Bottles	0.0%	--	0.1%	0.1%	--	--	--	0.0%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.6%
#2 HDPE Pigmented Bottles	--	--	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.5%
#3 PVC Bottles	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#4 LDPE/LLDPE Bottles	--	--	--	0.0%	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#5 PP Rigid Bottles	--	--	--	--	--	--	--	--	0.0%	--	0.0%	0.0%	--	--	--	0.0%
#6 PS Rigid Bottles	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#7 Other Bottles	--	--	--	0.0%	0.0%	--	--	--	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%
Dual Numbered Plastic Bottles	--	--	--	0.0%	--	0.0%	--	--	0.0%	0.0%	--	0.0%	--	--	0.0%	0.0%
Unlabeled Plastic Bottles	--	--	--	0.0%	--	0.0%	--	--	--	--	0.0%	0.0%	0.0%	--	0.0%	0.0%
BioPlastic Bottles	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	--	--	0.0%
Film Plastic: Food/Drink Pouches	--	--	--	0.0%	--	--	--	0.0%	--	0.0%	0.0%	--	--	--	--	0.0%
Clear Container Glass	0.1%	0.3%	0.0%	0.2%	--	0.0%	0.1%	0.4%	0.0%	0.0%	0.6%	0.1%	--	--	0.0%	2.0%
Green Container Glass	0.0%	0.1%	--	0.0%	--	0.0%	0.2%	0.0%	--	--	0.0%	0.0%	--	--	0.0%	0.3%
Brown Container Glass	0.1%	0.3%	--	0.0%	--	--	0.0%	0.0%	--	--	0.0%	0.0%	--	--	--	0.5%
Other Color Container Glass	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	--	--	0.0%	0.0%	--	--	--	0.0%
Aluminum Cans	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.1%	--	--	0.0%	0.4%
Steel/Tin Food Cans	--	0.0%	--	0.0%	--	0.0%	--	0.0%	0.1%	0.0%	1.0%	0.0%	--	0.0%	0.0%	1.2%
Total	0.6%	0.9%	0.3%	1.0%	0.1%	0.1%	0.3%	0.6%	0.7%	0.3%	2.2%	0.9%	0.0%	0.0%	0.0%	8.0%

Plastic Resin Composition: Percentage of Waste Stream

Resin Subsort	Type	#1 PET Clear/Green	#1 PET Other Color	#2 HDPE Natural	#2 HDPE Pigmented	#3 PVC	#4 LDPE/LLDPE	#5 PP Rigid	#5 PP Expanded	#6 PS Rigid	#6 PS Expanded	#7 Other	Dual Numbered	Other Labeled Resin	Polyethylene Film (HD/LD/LLD)	Non-PE Film	BioPlastic	Unlabeled Resin	Total
Plastic Bottles	Rigid Containers/Packaging	1.6%	0.2%	0.6%	0.5%	0.0%	0.0%	0.0%	--	--	--	0.0%	0.0%	--	--	--	0.0%	0.0%	3.0%
#1 PET Thermoforms	Rigid Containers/Packaging	0.1%		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1%
Tubs/Lids Excluding #6 Polystyrene	Rigid Containers/Packaging	0.1%		0.0%	0.0%	0.0%	0.0%	0.2%	--	--	--	0.0%	0.0%	--	--	--	--	0.3%	0.7%
#6 Rigid Polystyrene Containers/Packaging	Rigid Containers/Packaging	--		--	--	--	--	--	--	0.1%	--	--	--	--	--	--	--	--	0.1%
Other Rigid Containers/Packaging	Rigid Containers/Packaging	0.0%		0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	--	--	0.0%	--	--	--	--	0.0%	0.3%	0.4%
Single Use Plastic Plates/Cups/Cutlery	Other Rigid Plastic	0.0%		--	--	--	--	0.1%	--	0.1%	0.4%	0.0%	--	--	--	--	--	0.2%	0.8%
Appliances: Plastic	Other Rigid Plastic	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4%	0.4%
Bulk/Rigid Plastic: Crates/Soda Bottle Carriers	Other Rigid Plastic	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%
Bulk/Rigid Plastic: Toys/Housewares	Other Rigid Plastic	--		--	0.0%	--	0.0%	0.0%	--	0.0%	--	0.0%	--	--	--	--	--	0.9%	1.0%
Bulk/Rigid Plastic: Other Durable	Other Rigid Plastic	--		0.0%	0.2%	--	--	0.0%	--	0.0%	--	--	--	--	--	--	--	0.2%	0.4%
Other PVC	Other Rigid Plastic	--		--	--	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	0.0%
Other Plastics	Other Rigid Plastic	0.0%		--	0.0%	--	0.0%	0.0%	--	0.0%	--	0.0%	--	--	--	--	--	0.7%	0.8%
#6 EPS Containers/Packaging	Expanded Polystyrene	--		--	--	--	--	--	--	--	0.5%	--	--	--	--	--	--	--	0.5%
Film Plastic: Retail Bags and Sleeves	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.5%	--	--	--	2.5%
Film Plastic: Garbage Bags	Film	--		--	--	--	--	--	--	--	--	--	--	--	3.1%	--	--	--	3.1%
Film Plastic: Food/Drink Pouches	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	0.0%
Film Plastic: Other #2/#4 Polyethylene	Film	--		--	--	--	--	--	--	--	--	--	--	--	0.6%	--	--	--	0.6%
Film Plastic: Other Non-PE/Contaminated	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	1.4%	--	--	1.4%
Total		2.0%		0.6%	0.8%	0.0%	0.0%	0.5%	0.0%	0.2%	0.9%	0.1%	0.0%	--	6.1%	1.4%	0.0%	3.0%	15.7%

Waste Composition Main Sort Categories: All Material Streams

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Paper	26.0%	20.2%	7.6%	95.0%	
Newspaper	3.4%	1.4%	0.8%	23.9%	Designated Paper
Plain OCC/Kraft Paper	3.8%	1.4%	0.4%	30.3%	Designated Paper
High Grade Paper	1.4%	1.0%	0.0%	6.4%	Designated Paper
Mixed Low Grade Paper	8.9%	6.8%	2.9%	32.8%	Designated Paper
Paper: Compostable/ Soiled/Waxed OCC/Kraft	7.3%	8.5%	0.5%	0.4%	Organics Suitable for Composting
Other Nonrecyclable Paper	0.8%	0.8%	0.4%	1.0%	Other
Paper Beverage Cartons/ Aseptic Boxes	0.4%	0.3%	2.6%	0.3%	Designated MGP
Plastic	13.9%	13.8%	31.6%	2.4%	
#1 PET Bottles	1.3%	0.8%	9.1%	0.2%	Designated MGP
#2 HDPE Natural Bottles	0.5%	0.3%	4.3%	0.0%	Designated MGP
#2 HDPE Pigmented Bottles	0.4%	0.2%	3.6%	0.0%	Designated MGP
Other Plastic Bottles	0.1%	0.1%	0.9%	0.0%	Designated MGP
Rigid Plastic Containers/ Packaging	1.3%	1.3%	3.7%	0.2%	Designated MGP (after study completed)
Single Use Plastic Plates/ Cups/Cutlery (excluding EPS)	0.6%	0.7%	0.4%	0.0%	Designated MGP (after study completed)
Appliances: Plastic	0.3%	0.3%	0.3%	0.0%	Designated MGP (after study completed)
Bulk/Rigid Plastic	0.7%	0.6%	2.5%	0.1%	Designated MGP (after study completed)
Other Plastics	0.9%	0.9%	1.9%	0.2%	Designated MGP (after study completed)
#6 EPS Containers/ Packaging (including Single Use)	0.8%	1.0%	0.2%	0.2%	Other
Film Plastic: Retail Bags/ Sleeves	2.6%	2.9%	1.2%	0.2%	Plastic Bags
Film Plastic: Garbage Bags	2.3%	2.4%	3.1%	1.0%	Other
Film Plastic: Food/Drink Pouches	0.0%	0.0%	0.0%	0.0%	Other
Film Plastic: All Other Film	2.0%	2.2%	0.6%	0.3%	Other
Glass	4.2%	1.9%	40.1%	0.3%	
Clear Container Glass	1.9%	0.9%	18.3%	0.1%	Designated MGP
Green Container Glass	0.6%	0.2%	7.2%	0.0%	Designated MGP
Brown Container Glass	0.4%	0.2%	3.7%	0.0%	Designated MGP
Other Color Container Glass	0.0%	0.0%	0.3%	0.0%	Designated MGP
Mixed Cullet	0.9%	0.4%	9.2%	0.1%	Designated MGP
Other Glass	0.3%	0.2%	1.3%	0.1%	Other

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Metal	3.3%	2.7%	14.6%	0.4%	
Aluminum Cans	0.3%	0.2%	1.1%	0.0%	Designated MGP
Aluminum Foil/Containers	0.5%	0.5%	1.1%	0.0%	Designated MGP
Other Aluminum	0.1%	0.1%	0.8%	0.0%	Designated MGP
Other Non-Ferrous	0.1%	0.1%	0.4%	0.0%	Designated MGP
Steel/Tin Food Cans	0.8%	0.5%	6.0%	0.1%	Designated MGP
Empty Aerosol Cans	0.1%	0.1%	0.7%	0.0%	Designated MGP
Other Ferrous	0.6%	0.5%	1.9%	0.1%	Designated MGP
Mixed Metals	0.6%	0.6%	0.6%	0.1%	Designated MGP
Appliances: Ferrous	0.1%	0.0%	1.8%	0.0%	Designated MGP
Appliances: Non-Ferrous	0.0%	0.0%	0.2%	0.0%	Designated MGP
Organics	44.5%	52.0%	3.7%	1.5%	
Yard Waste	4.9%	5.7%	0.1%	0.0%	Organics Suitable for Composting
Food	18.6%	21.7%	2.5%	0.9%	Organics Suitable for Composting
Textiles: Non-Clothing	2.8%	3.3%	0.0%	0.1%	Textiles
Textiles: Clothing	3.0%	3.5%	0.1%	0.2%	Textiles
Shoes/Rubber/Leather	0.9%	1.1%	0.1%	0.0%	Textiles
Non-C&D Wood	3.3%	3.9%	0.1%	0.1%	Other
Carpet/Upholstery	1.4%	1.6%	0.0%	0.0%	Other
Disposable Diapers/Sanitary Products	4.0%	4.7%	0.1%	0.0%	Other
Animal By-Products	2.0%	2.3%	0.0%	0.0%	Other
Fines	3.0%	3.4%	0.5%	0.2%	Other
Miscellaneous Organics	0.6%	0.7%	0.1%	0.0%	Other
E-Waste	1.2%	1.3%	0.8%	0.1%	
Audio/Visual Equipment: TV Peripherals (Covered)	0.2%	0.2%	0.3%	0.0%	E-Waste
Audio/Visual Equipment: Other (Non-Covered)	0.2%	0.2%	0.1%	0.1%	E-Waste
Computer Monitors	0.0%	0.0%	0.0%	0.0%	E-Waste
Televisions	0.5%	0.5%	0.0%	0.0%	E-Waste
Other Computer Equipment	0.4%	0.4%	0.3%	0.0%	E-Waste
Construction & Demolition	5.8%	6.8%	0.0%	0.3%	
Untreated Dimensional Lumber/Pallets/Crates	1.0%	1.2%	0.0%	0.0%	C&D
Treated/Contaminated Wood	1.3%	1.5%	0.0%	0.1%	C&D
Other C&D Debris Not Elsewhere Classified	3.5%	4.1%	0.0%	0.1%	C&D

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Harmful Household Products	0.4%	0.4%	0.9%	0.0%	
Oil Filters	0.0%	0.0%	0.0%	0.0%	HHP
Antifreeze	0.0%	0.0%	0.0%	0.0%	HHP
Wet-Cell Batteries	0.0%	0.0%	0.0%	0.0%	HHP
Water-Based Adhesives/ Glues	0.0%	0.0%	0.1%	0.0%	HHP
Latex Paint	0.1%	0.1%	0.5%	0.0%	HHP
Oil-Based Paint/Solvent	0.0%	0.0%	0.1%	0.0%	HHP
Pesticides/Herbicides/ Rodenticides	0.0%	0.0%	0.0%	0.0%	HHP
Dry-Cell Batteries	0.1%	0.1%	0.0%	0.0%	HHP
Fluorescent Tubes/CFLs	0.0%	0.0%	0.0%	0.0%	HHP
Mercury-Laden Wastes	0.0%	0.0%	0.0%	0.0%	HHP
Compressed Gas Cylinders/Fire Extinguishers	0.0%	0.0%	0.0%	0.0%	HHP
Home Medical Products	0.2%	0.2%	0.1%	0.0%	HHP
Other Potentially Harmful Wastes	0.0%	0.0%	0.0%	0.0%	HHP
Miscellaneous Inorganics	0.8%	0.9%	0.7%	0.0%	
Miscellaneous Inorganics	0.8%	0.9%	0.7%	0.0%	Other
Totals	100%	100%	100%	100%	

Beverage Container Composition: Percentage of Waste Stream

Beverage Container Subsort	Soda	Beer	Water	Iced Tea/ Juice Drinks	Sports Drinks	Other New Age Drinks	Wine	Spirits	Milk/Soy/Dairy	100% Fruit & Vegetable Juices	Food	Non-Food/ Non-Beverage	Beverage > 1 Gallon	Empty HHP	Indistinguishable	Total
Paper Beverage Cartons/Aseptic Boxes	--	--	--	0.1%	0.0%	0.0%	--	0.0%	0.2%	0.1%	0.0%	0.0%	--	--	0.0%	0.4%
#1 PET Clear/Green Bottles	0.2%	--	0.2%	0.2%	0.1%	0.1%	--	0.0%	0.0%	0.2%	0.2%	0.1%	--	--	0.0%	1.2%
#1 PET Other Color Bottles	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.1%
#2 HDPE Natural Bottles	--	0.0%	0.1%	0.0%	--	0.0%	--	0.0%	0.2%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.5%
#2 HDPE Pigmented Bottles	--	--	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.4%
#3 PVC Bottles	--	--	--	--	--	--	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
#4 LDPE/LLDPE Bottles	--	--	--	0.0%	--	--	--	--	--	--	0.0%	0.0%	--	--	0.0%	0.0%
#5 PP Rigid Bottles	--	--	--	0.0%	--	0.0%	--	--	0.0%	--	0.0%	0.0%	--	0.0%	0.0%	0.1%
#6 PS Rigid Bottles	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#7 Other Bottles	--	--	--	0.0%	--	--	--	--	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
Dual Numbered Plastic Bottles	--	--	--	0.0%	--	--	--	--	--	0.0%	--	--	--	--	--	0.0%
Unlabeled Plastic Bottles	--	--	0.0%	0.0%	--	--	--	--	--	--	0.0%	0.0%	--	0.0%	0.0%	0.0%
BioPlastic Bottles	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	--	--	0.0%
Film Plastic: Food/Drink Pouches	--	--	--	0.0%	--	0.0%	--	--	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
Clear Container Glass	0.1%	0.2%	0.0%	0.3%	--	0.0%	0.2%	0.4%	0.0%	0.1%	0.6%	0.0%	--	--	0.0%	1.9%
Green Container Glass	0.1%	0.1%	0.0%	0.0%	--	--	0.4%	0.0%	--	--	0.0%	0.0%	--	--	0.0%	0.6%
Brown Container Glass	0.0%	0.2%	--	0.0%	--	--	0.0%	0.0%	--	0.0%	0.0%	0.0%	--	--	--	0.4%
Other Color Container Glass	0.0%	0.0%	--	--	--	--	0.0%	0.0%	--	--	--	0.0%	--	--	--	0.0%
Aluminum Cans	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	0.1%	0.0%	--	--	0.0%	0.3%
Steel/Tin Food Cans	--	--	--	0.0%	0.0%	0.0%	--	--	0.1%	0.0%	0.6%	0.1%	--	--	0.0%	0.8%
Total	0.4%	0.6%	0.3%	0.8%	0.1%	0.1%	0.6%	0.5%	0.5%	0.4%	1.8%	0.8%	0.0%	0.0%	0.1%	6.8%

Plastic Resin Composition: Percentage of Waste Stream

Resin Subsort	Type	#1 PET Clear/Green	#1 PET Other Color	#2 HDPE Natural	#2 HDPE Pigmented	#3 PVC	#4 LDPE/LLDPE	#5 PP Rigid	#5 PP Expanded	#6 PS Rigid	#6 PS Expanded	#7 Other	Dual Numbered	Other Labeled Resin	Polyethylene Film (HD/LD/LLD)	Non-PE Film	BioPlastic	Unlabeled Resin	Total
Plastic Bottles	Rigid Containers/Packaging	1.2%	0.1%	0.5%	0.4%	0.0%	0.0%	0.1%	--	0.0%	--	0.0%	0.0%	--	--	--	0.0%	0.0%	2.3%
#1 PET Thermoforms	Rigid Containers/Packaging	0.1%		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1%
Tubs/Lids Excluding #6 Polystyrene	Rigid Containers/Packaging	0.0%		0.0%	0.0%	--	0.0%	0.3%	--	--	--	0.0%	--	--	--	--	--	0.2%	0.6%
#6 Rigid Polystyrene Containers/Packaging	Rigid Containers/Packaging	--		--	--	--	--	--	--	0.1%	--	--	--	--	--	--	--	--	0.1%
Other Rigid Containers/Packaging	Rigid Containers/Packaging	0.0%		0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	--	--	0.0%	0.0%	--	--	--	0.0%	0.3%	0.5%
Single Use Plastic Plates/Cups/Cutlery	Other Rigid Plastic	0.0%		--	--	--	--	0.1%	--	0.2%	0.4%	0.0%	--	--	--	--	--	0.3%	1.0%
Appliances: Plastic	Other Rigid Plastic	--		--	0.0%	--	--	--	--	0.0%	--	--	--	--	--	--	--	0.3%	0.3%
Bulk/Rigid Plastic: Crates/Soda Bottle Carriers	Other Rigid Plastic	--		--	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	0.1%	0.1%
Bulk/Rigid Plastic: Toys/Housewares	Other Rigid Plastic	--		0.0%	0.0%	--	0.0%	0.0%	--	0.0%	--	0.0%	--	--	--	--	--	0.4%	0.5%
Bulk/Rigid Plastic: Other Durable	Other Rigid Plastic	0.0%		0.0%	0.0%	--	0.0%	0.0%	--	0.0%	--	0.0%	--	--	--	--	--	0.1%	0.1%
Other PVC	Other Rigid Plastic	--		--	--	0.1%	--	--	--	--	--	--	--	--	--	--	--	--	0.1%
Other Plastics	Other Rigid Plastic	0.0%		--	0.0%	--	--	0.0%	0.0%	0.0%	--	0.0%	--	--	--	--	--	0.8%	0.8%
#6 EPS Containers/Packaging	Expanded Polystyrene	--		--	--	--	--	--	--	--	0.4%	--	--	--	--	--	--	--	0.4%
Film Plastic: Retail Bags and Sleeves	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.6%	--	--	--	2.6%
Film Plastic: Garbage Bags	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.3%	--	--	--	2.3%
Film Plastic: Food/Drink Pouches	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	0.0%
Film Plastic: Other #2/#4 Polyethylene	Film	--		--	--	--	--	--	--	--	--	--	--	--	0.9%	--	--	--	0.9%
Film Plastic: Other Non-PE/Contaminated	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	1.0%	--	--	1.0%
Total		1.6%		0.5%	0.5%	0.1%	0.0%	0.7%	0.0%	0.4%	0.8%	0.0%	0.0%	--	5.9%	1.1%	0.0%	2.3%	13.9%

Waste Composition Main Sort Categories: All Material Streams

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Paper	36.5%	30.4%	4.3%	95.6%	
Newspaper	4.0%	2.3%	0.1%	17.6%	Designated Paper
Plain OCC/Kraft Paper	5.7%	2.5%	0.1%	29.7%	Designated Paper
High Grade Paper	2.2%	1.4%	0.1%	8.5%	Designated Paper
Mixed Low Grade Paper	14.2%	11.7%	1.5%	38.5%	Designated Paper
Paper: Compostable/ Soiled/Waxed OCC/Kraft	8.7%	10.8%	0.2%	0.2%	Organics Suitable for Composting
Other Nonrecyclable Paper	1.2%	1.3%	0.3%	0.8%	Other
Paper Beverage Cartons/ Aseptic Boxes	0.4%	0.3%	2.0%	0.2%	Designated MGP
Plastic	15.2%	16.2%	25.0%	2.5%	
#1 PET Bottles	1.4%	1.0%	6.9%	0.1%	Designated MGP
#2 HDPE Natural Bottles	0.4%	0.2%	2.8%	0.0%	Designated MGP
#2 HDPE Pigmented Bottles	0.4%	0.3%	2.4%	0.0%	Designated MGP
Other Plastic Bottles	0.1%	0.1%	0.5%	0.0%	Designated MGP
Rigid Plastic Containers/ Packaging	2.5%	2.8%	3.9%	0.2%	Designated MGP (after study completed)
Single Use Plastic Plates/ Cups/Cutlery (excluding EPS)	0.5%	0.6%	0.3%	0.0%	Designated MGP (after study completed)
Appliances: Plastic	0.2%	0.2%	0.5%	0.0%	Designated MGP (after study completed)
Bulk/Rigid Plastic	0.6%	0.6%	1.7%	0.1%	Designated MGP (after study completed)
Other Plastics	0.7%	0.7%	0.9%	0.3%	Designated MGP (after study completed)
#6 EPS Containers/ Packaging (including Single Use)	0.5%	0.7%	0.1%	0.1%	Other
Film Plastic: Retail Bags/ Sleeves	2.3%	2.8%	0.5%	0.1%	Plastic Bags
Film Plastic: Garbage Bags	3.4%	3.7%	4.0%	1.2%	Other
Film Plastic: Food/Drink Pouches	0.0%	0.0%	0.0%	0.0%	Other
Film Plastic: All Other Film	2.1%	2.5%	0.6%	0.3%	Other
Glass	6.1%	2.4%	53.2%	0.3%	
Clear Container Glass	1.6%	0.9%	10.8%	0.1%	Designated MGP
Green Container Glass	1.3%	0.4%	12.1%	0.1%	Designated MGP
Brown Container Glass	0.4%	0.2%	2.6%	0.0%	Designated MGP
Other Color Container Glass	0.0%	0.0%	0.1%	0.0%	Designated MGP
Mixed Cullet	2.5%	0.5%	26.7%	0.0%	Designated MGP
Other Glass	0.3%	0.3%	1.0%	0.1%	Other

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Metal	3.5%	3.1%	13.0%	0.2%	
Aluminum Cans	0.3%	0.3%	1.0%	0.0%	Designated MGP
Aluminum Foil/Containers	0.4%	0.5%	0.3%	0.0%	Designated MGP
Other Aluminum	0.0%	0.0%	0.1%	0.0%	Designated MGP
Other Non-Ferrous	0.2%	0.2%	0.3%	0.0%	Designated MGP
Steel/Tin Food Cans	0.8%	0.5%	4.3%	0.1%	Designated MGP
Empty Aerosol Cans	0.1%	0.1%	0.6%	0.0%	Designated MGP
Other Ferrous	1.0%	0.9%	3.0%	0.0%	Designated MGP
Mixed Metals	0.5%	0.6%	0.6%	0.0%	Designated MGP
Appliances: Ferrous	0.2%	0.0%	2.4%	0.0%	Designated MGP
Appliances: Non-Ferrous	0.0%	0.0%	0.4%	0.0%	Designated MGP
Organics	34.8%	43.2%	3.0%	1.2%	
Yard Waste	2.0%	2.5%	0.0%	0.0%	Organics Suitable for Composting
Food	16.0%	19.9%	1.7%	0.5%	Organics Suitable for Composting
Textiles: Non-Clothing	2.1%	2.6%	0.1%	0.2%	Textiles
Textiles: Clothing	2.8%	3.5%	0.1%	0.0%	Textiles
Shoes/Rubber/Leather	0.9%	1.1%	0.1%	0.1%	Textiles
Non-C&D Wood	1.5%	1.9%	0.2%	0.1%	Other
Carpet/Upholstery	0.2%	0.2%	0.0%	0.0%	Other
Disposable Diapers/Sanitary Products	3.8%	4.8%	0.0%	0.0%	Other
Animal By-Products	2.0%	2.5%	0.0%	0.0%	Other
Fines	2.7%	3.3%	0.7%	0.1%	Other
Miscellaneous Organics	0.7%	0.9%	0.1%	0.0%	Other
E-Waste	0.5%	0.6%	0.6%	0.0%	
Audio/Visual Equipment: TV Peripherals (Covered)	0.2%	0.2%	0.1%	0.0%	E-Waste
Audio/Visual Equipment: Other (Non-Covered)	0.1%	0.1%	0.2%	0.0%	E-Waste
Computer Monitors	0.0%	0.0%	0.0%	0.0%	E-Waste
Televisions	0.0%	0.0%	0.0%	0.0%	E-Waste
Other Computer Equipment	0.3%	0.3%	0.3%	0.0%	E-Waste
Construction & Demolition	2.1%	2.6%	0.0%	0.1%	
Untreated Dimensional Lumber/Pallets/Crates	0.2%	0.2%	0.0%	0.0%	C&D
Treated/Contaminated Wood	0.2%	0.2%	0.0%	0.0%	C&D
Other C&D Debris Not Elsewhere Classified	1.8%	2.2%	0.0%	0.1%	C&D

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Harmful Household Products	0.5%	0.6%	0.2%	0.0%	
Oil Filters	0.0%	0.0%	0.0%	0.0%	HHP
Antifreeze	0.0%	0.0%	0.0%	0.0%	HHP
Wet-Cell Batteries	0.0%	0.0%	0.0%	0.0%	HHP
Water-Based Adhesives/ Glues	0.0%	0.0%	0.0%	0.0%	HHP
Latex Paint	0.2%	0.2%	0.0%	0.0%	HHP
Oil-Based Paint/Solvent	0.0%	0.0%	0.0%	0.0%	HHP
Pesticides/Herbicides/ Rodenticides	0.0%	0.0%	0.0%	0.0%	HHP
Dry-Cell Batteries	0.1%	0.1%	0.0%	0.0%	HHP
Fluorescent Tubes/CFLs	0.0%	0.0%	0.0%	0.0%	HHP
Mercury-Laden Wastes	0.0%	0.0%	0.0%	0.0%	HHP
Compressed Gas Cylinders/Fire Extinguishers	0.0%	0.0%	0.0%	0.0%	HHP
Home Medical Products	0.1%	0.1%	0.1%	0.0%	HHP
Other Potentially Harmful Wastes	0.1%	0.1%	0.0%	0.0%	HHP
Miscellaneous Inorganics	0.8%	1.0%	0.6%	0.1%	
Miscellaneous Inorganics	0.8%	1.0%	0.6%	0.1%	Other
Totals	100%	100%	100%	100%	

Beverage Container Composition: Percentage of Waste Stream

Beverage Container Subsort	Soda	Beer	Water	Iced Tea/ Juice Drinks	Sports Drinks	Other New Age Drinks	Wine	Spirits	Milk/Soy/Dairy	100% Fruit & Vegetable Juices	Food	Non-Food/ Non-Beverage	Beverage > 1 Gallon	Empty HHP	Indistinguishable	Total
Paper Beverage Cartons/Aseptic Boxes	--	--	--	0.1%	0.0%	0.0%	0.0%	0.0%	0.3%	0.1%	0.0%	0.0%	--	--	--	0.4%
#1 PET Clear/Green Bottles	0.1%	--	0.3%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	--	--	0.0%	1.2%
#1 PET Other Color Bottles	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	--	--	0.0%	0.1%
#2 HDPE Natural Bottles	--	--	0.1%	0.0%	--	0.0%	--	--	0.2%	0.0%	0.0%	0.1%	--	0.0%	0.0%	0.4%
#2 HDPE Pigmented Bottles	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.4%
#3 PVC Bottles	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%	--	--	0.0%	0.0%
#4 LDPE/LLDPE Bottles	--	--	--	0.0%	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#5 PP Rigid Bottles	--	--	--	0.0%	--	0.0%	--	--	0.0%	--	0.0%	0.0%	--	--	0.0%	0.0%
#6 PS Rigid Bottles	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
#7 Other Bottles	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
Dual Numbered Plastic Bottles	--	--	--	0.0%	--	0.0%	--	--	--	--	0.0%	--	--	--	--	0.0%
Unlabeled Plastic Bottles	--	--	--	--	--	0.0%	--	--	--	--	0.0%	0.0%	--	--	0.0%	0.0%
BioPlastic Bottles	--	--	0.0%	0.0%	--	--	--	--	--	--	--	0.0%	--	--	--	0.0%
Film Plastic: Food/Drink Pouches	--	--	--	0.0%	--	--	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
Clear Container Glass	0.1%	0.1%	0.0%	0.2%	0.0%	0.1%	0.2%	0.3%	0.0%	0.0%	0.5%	0.0%	--	--	0.0%	1.6%
Green Container Glass	0.1%	0.1%	0.1%	0.0%	--	--	0.9%	0.0%	--	--	0.0%	0.0%	--	--	--	1.3%
Brown Container Glass	0.0%	0.2%	--	0.0%	--	0.0%	0.1%	0.0%	--	0.0%	0.0%	0.0%	--	--	--	0.4%
Other Color Container Glass	0.0%	0.0%	--	--	--	--	0.0%	--	--	--	--	0.0%	--	--	0.0%	0.0%
Aluminum Cans	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.1%	--	--	0.0%	0.3%
Steel/Tin Food Cans	--	0.0%	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	0.6%	0.1%	--	--	0.0%	0.8%
Total	0.5%	0.5%	0.4%	0.6%	0.1%	0.2%	1.2%	0.3%	0.5%	0.3%	1.5%	0.9%	0.0%	0.0%	0.1%	7.1%

Plastic Resin Composition: Percentage of Waste Stream

Resin Subsort	Type	#1 PET Clear/Green	#1 PET Other Color	#2 HDPE Natural	#2 HDPE Pigmented	#3 PVC	#4 LDPE/LLDPE	#5 PP Rigid	#5 PP Expanded	#6 PS Rigid	#6 PS Expanded	#7 Other	Dual Numbered	Other Labeled Resin	Polyethylene Film (HD/LD/LLD)	Non-PE Film	BioPlastic	Unlabeled Resin	Total
Plastic Bottles	Rigid Containers/Packaging	1.2%	0.1%	0.4%	0.4%	0.0%	0.0%	0.0%	--	--	--	0.0%	0.0%	--	--	--	0.0%	0.0%	2.3%
#1 PET Thermoforms	Rigid Containers/Packaging	0.3%		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.3%
Tubs/Lids Excluding #6 Polystyrene	Rigid Containers/Packaging	0.1%		0.0%	0.0%	0.0%	0.0%	0.5%	--	--	--	0.0%	--	--	--	--	--	0.5%	1.1%
#6 Rigid Polystyrene Containers/Packaging	Rigid Containers/Packaging	--		--	--	--	--	--	--	0.3%	--	--	--	--	--	--	--	--	0.3%
Other Rigid Containers/Packaging	Rigid Containers/Packaging	0.1%		0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	--	--	0.0%	0.0%	--	--	--	0.0%	0.6%	0.9%
Single Use Plastic Plates/Cups/Cutlery	Other Rigid Plastic	0.1%		--	--	--	--	0.1%	--	0.1%	0.1%	0.0%	--	--	--	--	0.0%	0.2%	0.6%
Appliances: Plastic	Other Rigid Plastic	--		--	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	0.2%	0.2%
Bulk/Rigid Plastic: Crates/Soda Bottle Carriers	Other Rigid Plastic	--		--	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	--	0.0%
Bulk/Rigid Plastic: Toys/Housewares	Other Rigid Plastic	--		--	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	--	--	--	--	--	--	0.4%	0.5%
Bulk/Rigid Plastic: Other Durable	Other Rigid Plastic	--		0.0%	0.0%	--	0.0%	0.0%	--	0.0%	--	--	--	--	--	--	--	0.1%	0.1%
Other PVC	Other Rigid Plastic	--		--	--	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	0.0%
Other Plastics	Other Rigid Plastic	0.0%		--	0.0%	--	--	0.0%	--	0.0%	--	--	--	--	--	--	--	0.6%	0.7%
#6 EPS Containers/Packaging	Expanded Polystyrene	--		--	--	--	--	--	--	--	0.4%	--	--	--	--	--	--	--	0.4%
Film Plastic: Retail Bags and Sleeves	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.3%	--	--	--	2.3%
Film Plastic: Garbage Bags	Film	--		--	--	--	--	--	--	--	--	--	--	--	3.4%	--	--	--	3.4%
Film Plastic: Food/Drink Pouches	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	0.0%
Film Plastic: Other #2/#4 Polyethylene	Film	--		--	--	--	--	--	--	--	--	--	--	--	0.9%	--	--	--	0.9%
Film Plastic: Other Non-PE/Contaminated	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	1.2%	--	--	1.2%
Total		1.9%		0.4%	0.5%	0.0%	0.1%	0.8%	0.0%	0.4%	0.5%	0.0%	0.0%	--	6.6%	1.2%	0.0%	2.6%	15.2%

Waste Composition Main Sort Categories: All Material Streams

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Paper	24.4%	18.3%	7.6%	92.9%	
Newspaper	2.9%	1.2%	0.7%	20.3%	Designated Paper
Plain OCC/Kraft Paper	4.5%	1.0%	0.9%	39.2%	Designated Paper
High Grade Paper	0.9%	0.6%	0.2%	3.6%	Designated Paper
Mixed Low Grade Paper	7.6%	5.9%	2.4%	27.5%	Designated Paper
Paper: Compostable/ Soiled/Waxed OCC/Kraft	7.3%	8.6%	0.6%	0.8%	Organics Suitable for Composting
Other Nonrecyclable Paper	0.7%	0.7%	0.5%	0.9%	Other
Paper Beverage Cartons/ Aseptic Boxes	0.4%	0.2%	2.3%	0.6%	Designated MGP
Plastic	12.9%	12.0%	35.8%	2.8%	
#1 PET Bottles	1.4%	0.8%	10.3%	0.2%	Designated MGP
#2 HDPE Natural Bottles	0.6%	0.2%	5.5%	0.1%	Designated MGP
#2 HDPE Pigmented Bottles	0.5%	0.2%	4.3%	0.0%	Designated MGP
Other Plastic Bottles	0.1%	0.1%	1.0%	0.0%	Designated MGP
Rigid Plastic Containers/ Packaging	1.4%	1.2%	4.3%	0.3%	Designated MGP (after study completed)
Single Use Plastic Plates/ Cups/Cutlery (excluding EPS)	0.4%	0.4%	0.3%	0.0%	Designated MGP (after study completed)
Appliances: Plastic	0.0%	0.0%	0.3%	0.1%	Designated MGP (after study completed)
Bulk/Rigid Plastic	0.8%	0.7%	3.5%	0.1%	Designated MGP (after study completed)
Other Plastics	0.7%	0.8%	1.4%	0.1%	Designated MGP (after study completed)
#6 EPS Containers/ Packaging (including Single Use)	0.9%	1.0%	0.2%	0.2%	Other
Film Plastic: Retail Bags/ Sleeves	2.2%	2.5%	0.9%	0.3%	Plastic Bags
Film Plastic: Garbage Bags	2.1%	2.1%	3.0%	1.0%	Other
Film Plastic: Food/Drink Pouches	0.0%	0.0%	0.0%	0.0%	Other
Film Plastic: All Other Film	1.7%	2.0%	0.7%	0.4%	Other
Glass	3.6%	1.7%	30.0%	0.5%	
Clear Container Glass	1.7%	0.8%	14.2%	0.2%	Designated MGP
Green Container Glass	0.5%	0.1%	5.4%	0.0%	Designated MGP
Brown Container Glass	0.3%	0.1%	2.3%	0.1%	Designated MGP
Other Color Container Glass	0.0%	0.0%	0.4%	0.0%	Designated MGP
Mixed Cullet	0.7%	0.2%	6.8%	0.1%	Designated MGP
Other Glass	0.4%	0.4%	1.0%	0.2%	Other

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Metal	3.7%	2.8%	18.4%	0.4%	
Aluminum Cans	0.2%	0.2%	1.3%	0.1%	Designated MGP
Aluminum Foil/Containers	0.5%	0.5%	0.9%	0.0%	Designated MGP
Other Aluminum	0.1%	0.1%	0.1%	0.0%	Designated MGP
Other Non-Ferrous	0.1%	0.1%	0.6%	0.0%	Designated MGP
Steel/Tin Food Cans	0.8%	0.4%	6.9%	0.1%	Designated MGP
Empty Aerosol Cans	0.2%	0.1%	0.9%	0.0%	Designated MGP
Other Ferrous	1.2%	1.0%	4.5%	0.1%	Designated MGP
Mixed Metals	0.4%	0.4%	1.6%	0.0%	Designated MGP
Appliances: Ferrous	0.2%	0.1%	1.4%	0.0%	Designated MGP
Appliances: Non-Ferrous	0.0%	0.0%	0.1%	0.0%	Designated MGP
Organics	46.8%	55.3%	4.7%	2.8%	
Yard Waste	9.4%	11.2%	0.0%	0.2%	Organics Suitable for Composting
Food	18.6%	21.9%	3.1%	0.8%	Organics Suitable for Composting
Textiles: Non-Clothing	1.6%	1.9%	0.1%	0.1%	Textiles
Textiles: Clothing	2.3%	2.8%	0.1%	0.1%	Textiles
Shoes/Rubber/Leather	1.2%	1.4%	0.2%	0.9%	Textiles
Non-C&D Wood	4.2%	5.0%	0.2%	0.1%	Other
Carpet/Upholstery	1.7%	2.0%	0.0%	0.0%	Other
Disposable Diapers/Sanitary Products	3.6%	4.3%	0.1%	0.1%	Other
Animal By-Products	1.2%	1.4%	0.1%	0.1%	Other
Fines	2.5%	2.9%	0.8%	0.2%	Other
Miscellaneous Organics	0.5%	0.5%	0.0%	0.2%	Other
E-Waste	1.0%	1.1%	0.8%	0.0%	
Audio/Visual Equipment: TV Peripherals (Covered)	0.1%	0.1%	0.2%	0.0%	E-Waste
Audio/Visual Equipment: Other (Non-Covered)	0.2%	0.3%	0.1%	0.0%	E-Waste
Computer Monitors	0.0%	0.0%	0.0%	0.0%	E-Waste
Televisions	0.4%	0.5%	0.0%	0.0%	E-Waste
Other Computer Equipment	0.3%	0.3%	0.4%	0.0%	E-Waste
Construction & Demolition	6.4%	7.5%	1.0%	0.2%	
Untreated Dimensional Lumber/Pallets/Crates	1.2%	1.4%	0.0%	0.0%	C&D
Treated/Contaminated Wood	2.3%	2.7%	0.0%	0.0%	C&D
Other C&D Debris Not Elsewhere Classified	2.9%	3.3%	0.9%	0.2%	C&D

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Harmful Household Products	0.3%	0.3%	0.8%	0.1%	
Oil Filters	0.0%	0.0%	0.0%	0.0%	HHP
Antifreeze	0.0%	0.0%	0.0%	0.0%	HHP
Wet-Cell Batteries	0.0%	0.0%	0.0%	0.0%	HHP
Water-Based Adhesives/ Glues	0.0%	0.0%	0.0%	0.0%	HHP
Latex Paint	0.0%	0.0%	0.4%	0.0%	HHP
Oil-Based Paint/Solvent	0.0%	0.0%	0.1%	0.0%	HHP
Pesticides/Herbicides/ Rodenticides	0.0%	0.0%	0.0%	0.0%	HHP
Dry-Cell Batteries	0.1%	0.1%	0.0%	0.0%	HHP
Fluorescent Tubes/CFLs	0.0%	0.0%	0.0%	0.0%	HHP
Mercury-Laden Wastes	0.0%	0.0%	0.0%	0.0%	HHP
Compressed Gas Cylinders/Fire Extinguishers	0.0%	0.0%	0.0%	0.0%	HHP
Home Medical Products	0.1%	0.1%	0.0%	0.0%	HHP
Other Potentially Harmful Wastes	0.1%	0.1%	0.1%	0.0%	HHP
Miscellaneous Inorganics	0.9%	0.9%	1.0%	0.2%	
Miscellaneous Inorganics	0.9%	0.9%	1.0%	0.2%	Other
Totals	100%	100%	100%	100%	

Beverage Container Composition: Percentage of Waste Stream

Beverage Container Subsort	Soda	Beer	Water	Iced Tea/ Juice Drinks	Sports Drinks	Other New Age Drinks	Wine	Spirits	Milk/Soy/Dairy	100% Fruit & Vegetable Juices	Food	Non-Food/ Non-Beverage	Beverage > 1 Gallon	Empty HHP	Indistinguishable	Total
Paper Beverage Cartons/Aseptic Boxes	--	--	--	0.2%	--	0.0%	--	0.0%	0.2%	0.0%	0.0%	0.0%	--	--	0.0%	0.4%
#1 PET Clear/Green Bottles	0.2%	--	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.1%	--	0.0%	0.0%	1.3%
#1 PET Other Color Bottles	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	0.0%	0.1%
#2 HDPE Natural Bottles	--	--	0.1%	0.0%	--	--	--	0.0%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.6%
#2 HDPE Pigmented Bottles	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	--	0.5%
#3 PVC Bottles	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#4 LDPE/LLDPE Bottles	--	--	--	0.0%	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#5 PP Rigid Bottles	--	--	0.0%	0.0%	--	--	--	--	0.0%	--	0.1%	0.0%	--	--	--	0.1%
#6 PS Rigid Bottles	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	--	0.0%
#7 Other Bottles	--	--	--	0.0%	0.0%	--	--	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	0.0%
Dual Numbered Plastic Bottles	--	--	--	0.0%	--	--	--	--	--	0.0%	0.0%	0.0%	--	--	--	0.0%
Unlabeled Plastic Bottles	--	--	--	0.0%	--	0.0%	--	--	--	--	0.0%	0.0%	--	--	0.0%	0.0%
BioPlastic Bottles	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Film Plastic: Food/Drink Pouches	--	--	--	0.0%	--	--	0.0%	--	--	--	0.0%	--	--	--	--	0.0%
Clear Container Glass	0.1%	0.1%	0.0%	0.3%	--	0.0%	0.1%	0.3%	0.0%	0.0%	0.7%	0.1%	--	--	0.0%	1.7%
Green Container Glass	0.0%	0.1%	0.0%	0.0%	--	--	0.3%	0.0%	--	0.0%	0.0%	0.0%	--	--	--	0.5%
Brown Container Glass	0.0%	0.1%	--	0.0%	--	--	0.0%	0.1%	--	0.0%	0.0%	0.0%	--	--	0.0%	0.3%
Other Color Container Glass	0.0%	0.0%	--	--	--	--	0.0%	0.0%	--	--	--	0.0%	--	--	--	0.0%
Aluminum Cans	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.1%	--	--	--	0.2%
Steel/Tin Food Cans	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	0.1%	0.0%	0.6%	0.1%	--	--	0.0%	0.8%
Total	0.3%	0.4%	0.3%	0.8%	0.1%	0.1%	0.5%	0.4%	0.5%	0.3%	1.9%	0.9%	0.0%	0.0%	0.0%	6.6%

Plastic Resin Composition: Percentage of Waste Stream

Resin Subsort	Type	#1 PET Clear/Green	#1 PET Other Color	#2 HDPE Natural	#2 HDPE Pigmented	#3 PVC	#4 LDPE/LLDPE	#5 PP Rigid	#5 PP Expanded	#6 PS Rigid	#6 PS Expanded	#7 Other	Dual Numbered	Other Labeled Resin	Polyethylene Film (HD/LD/LLD)	Non-PE Film	BioPlastic	Unlabeled Resin	Total
Plastic Bottles	Rigid Containers/Packaging	1.3%	0.1%	0.6%	0.5%	0.0%	0.0%	0.1%	--	0.0%	--	0.0%	0.0%	--	--	--	--	0.0%	2.6%
#1 PET Thermoforms	Rigid Containers/Packaging	0.1%		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1%
Tubs/Lids Excluding #6 Polystyrene	Rigid Containers/Packaging	0.0%		0.0%	0.0%	--	0.0%	0.3%	--	--	--	0.0%	--	--	--	--	--	0.2%	0.5%
#6 Rigid Polystyrene Containers/Packaging	Rigid Containers/Packaging	--		--	--	--	--	--	--	0.2%	--	--	--	--	--	--	--	--	0.2%
Other Rigid Containers/Packaging	Rigid Containers/Packaging	0.0%		0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	--	--	0.0%	0.0%	--	--	--	0.0%	0.4%	0.6%
Single Use Plastic Plates/Cups/Cutlery	Other Rigid Plastic	0.0%		--	--	--	--	0.1%	--	0.2%	0.4%	0.0%	--	--	--	--	--	0.1%	0.8%
Appliances: Plastic	Other Rigid Plastic	--		0.0%	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%
Bulk/Rigid Plastic: Crates/Soda Bottle Carriers	Other Rigid Plastic	--		--	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	0.1%	0.1%
Bulk/Rigid Plastic: Toys/Housewares	Other Rigid Plastic	--		--	0.0%	--	0.0%	0.1%	--	0.0%	--	0.0%	--	0.0%	--	--	--	0.5%	0.6%
Bulk/Rigid Plastic: Other Durable	Other Rigid Plastic	--		--	0.1%	--	--	0.0%	--	--	--	--	--	--	--	--	--	0.1%	0.2%
Other PVC	Other Rigid Plastic	--		--	--	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	0.0%
Other Plastics	Other Rigid Plastic	0.0%		0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	--	--	--	0.7%	0.7%
#6 EPS Containers/Packaging	Expanded Polystyrene	--		--	--	--	--	--	--	--	0.5%	--	--	--	--	--	--	--	0.5%
Film Plastic: Retail Bags and Sleeves	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.2%	--	--	--	2.2%
Film Plastic: Garbage Bags	Film	--		--	--	--	--	--	--	--	--	--	--	--	2.1%	--	--	--	2.1%
Film Plastic: Food/Drink Pouches	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	0.0%
Film Plastic: Other #2/#4 Polyethylene	Film	--		--	--	--	--	--	--	--	--	--	--	--	0.7%	--	--	--	0.7%
Film Plastic: Other Non-PE/Contaminated	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	1.0%	--	--	1.0%
Total		1.6%		0.6%	0.6%	0.0%	0.0%	0.6%	0.0%	0.3%	0.9%	0.0%	0.0%	0.0%	5.0%	1.1%	0.0%	2.2%	12.9%

Waste Composition Main Sort Categories: All Material Streams

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Paper	27.6%	20.6%	8.2%	95.9%	
Newspaper	4.6%	1.7%	1.8%	29.1%	Designated Paper
Plain OCC/Kraft Paper	4.6%	1.6%	0.8%	30.3%	Designated Paper
High Grade Paper	1.0%	0.8%	0.1%	3.4%	Designated Paper
Mixed Low Grade Paper	8.5%	6.0%	3.1%	31.4%	Designated Paper
Paper: Compostable/ Soiled/Waxed OCC/Kraft	8.0%	9.6%	0.5%	0.9%	Organics Suitable for Composting
Other Nonrecyclable Paper	0.7%	0.8%	0.4%	0.5%	Other
Paper Beverage Cartons/ Aseptic Boxes	0.3%	0.2%	1.3%	0.3%	Designated MGP
Plastic	12.1%	11.2%	34.6%	1.8%	
#1 PET Bottles	1.5%	0.8%	11.2%	0.2%	Designated MGP
#2 HDPE Natural Bottles	0.4%	0.2%	3.6%	0.0%	Designated MGP
#2 HDPE Pigmented Bottles	0.5%	0.2%	4.4%	0.0%	Designated MGP
Other Plastic Bottles	0.1%	0.1%	0.8%	0.0%	Designated MGP
Rigid Plastic Containers/ Packaging	1.3%	1.2%	4.0%	0.2%	Designated MGP (after study completed)
Single Use Plastic Plates/ Cups/Cutlery (excluding EPS)	0.4%	0.4%	0.5%	0.0%	Designated MGP (after study completed)
Appliances: Plastic	0.4%	0.5%	0.1%	0.0%	Designated MGP (after study completed)
Bulk/Rigid Plastic	1.5%	1.4%	4.4%	0.1%	Designated MGP (after study completed)
Other Plastics	0.6%	0.6%	1.6%	0.1%	Designated MGP (after study completed)
#6 EPS Containers/ Packaging (including Single Use)	0.6%	0.6%	0.2%	0.2%	Other
Film Plastic: Retail Bags/ Sleeves	1.6%	1.9%	1.0%	0.2%	Plastic Bags
Film Plastic: Garbage Bags	1.6%	1.7%	2.0%	0.5%	Other
Film Plastic: Food/Drink Pouches	0.0%	0.0%	0.0%	0.0%	Other
Film Plastic: All Other Film	1.4%	1.7%	0.7%	0.2%	Other
Glass	4.0%	1.5%	34.3%	0.2%	
Clear Container Glass	1.9%	0.7%	15.9%	0.1%	Designated MGP
Green Container Glass	0.6%	0.1%	6.7%	0.0%	Designated MGP
Brown Container Glass	0.3%	0.1%	3.3%	0.1%	Designated MGP
Other Color Container Glass	0.0%	0.0%	0.3%	0.0%	Designated MGP
Mixed Cullet	0.6%	0.1%	5.9%	0.0%	Designated MGP
Other Glass	0.5%	0.4%	2.1%	0.0%	Other

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Metal	3.4%	2.6%	15.5%	0.2%	
Aluminum Cans	0.3%	0.2%	1.8%	0.0%	Designated MGP
Aluminum Foil/Containers	0.4%	0.4%	0.8%	0.1%	Designated MGP
Other Aluminum	0.0%	0.0%	0.1%	0.0%	Designated MGP
Other Non-Ferrous	0.1%	0.1%	0.4%	0.0%	Designated MGP
Steel/Tin Food Cans	0.8%	0.3%	6.3%	0.0%	Designated MGP
Empty Aerosol Cans	0.2%	0.1%	0.9%	0.0%	Designated MGP
Other Ferrous	0.7%	0.6%	2.9%	0.0%	Designated MGP
Mixed Metals	0.3%	0.4%	0.5%	0.0%	Designated MGP
Appliances: Ferrous	0.4%	0.4%	0.7%	0.0%	Designated MGP
Appliances: Non-Ferrous	0.1%	0.0%	1.2%	0.0%	Designated MGP
Organics	47.1%	57.2%	4.7%	1.5%	
Yard Waste	13.6%	16.6%	0.5%	0.0%	Organics Suitable for Composting
Food	15.3%	18.4%	2.8%	1.1%	Organics Suitable for Composting
Textiles: Non-Clothing	1.9%	2.3%	0.1%	0.0%	Textiles
Textiles: Clothing	2.3%	2.8%	0.2%	0.0%	Textiles
Shoes/Rubber/Leather	1.1%	1.3%	0.2%	0.0%	Textiles
Non-C&D Wood	3.6%	4.4%	0.0%	0.0%	Other
Carpet/Upholstery	1.2%	1.4%	0.0%	0.0%	Other
Disposable Diapers/Sanitary Products	3.4%	4.2%	0.1%	0.1%	Other
Animal By-Products	1.4%	1.8%	0.0%	0.0%	Other
Fines	2.8%	3.3%	0.7%	0.2%	Other
Miscellaneous Organics	0.7%	0.8%	0.2%	0.0%	Other
E-Waste	0.6%	0.7%	0.6%	0.0%	
Audio/Visual Equipment: TV Peripherals (Covered)	0.1%	0.2%	0.0%	0.0%	E-Waste
Audio/Visual Equipment: Other (Non-Covered)	0.2%	0.2%	0.2%	0.0%	E-Waste
Computer Monitors	0.0%	0.0%	0.1%	0.0%	E-Waste
Televisions	0.0%	0.0%	0.0%	0.0%	E-Waste
Other Computer Equipment	0.3%	0.3%	0.3%	0.0%	E-Waste
Construction & Demolition	3.9%	4.8%	0.1%	0.1%	
Untreated Dimensional Lumber/Pallets/Crates	0.6%	0.8%	0.0%	0.0%	C&D
Treated/Contaminated Wood	0.9%	1.1%	0.0%	0.0%	C&D
Other C&D Debris Not Elsewhere Classified	2.4%	2.9%	0.1%	0.0%	C&D

Waste Composition Main Sort Categories: All Material Streams (Continued)

Material	Aggregate Percent	Refuse Percent	MGP Percent	Paper Percent	DSNY Diversion Summary Category
Harmful Household Products	0.7%	0.7%	0.7%	0.1%	
Oil Filters	0.0%	0.0%	0.0%	0.0%	HHP
Antifreeze	0.0%	0.0%	0.0%	0.0%	HHP
Wet-Cell Batteries	0.0%	0.0%	0.0%	0.0%	HHP
Water-Based Adhesives/ Glues	0.0%	0.0%	0.2%	0.1%	HHP
Latex Paint	0.1%	0.1%	0.2%	0.0%	HHP
Oil-Based Paint/Solvent	0.0%	0.0%	0.1%	0.0%	HHP
Pesticides/Herbicides/ Rodenticides	0.0%	0.0%	0.0%	0.0%	HHP
Dry-Cell Batteries	0.1%	0.1%	0.1%	0.0%	HHP
Fluorescent Tubes/CFLs	0.0%	0.0%	0.0%	0.0%	HHP
Mercury-Laden Wastes	0.0%	0.0%	0.0%	0.0%	HHP
Compressed Gas Cylinders/Fire Extinguishers	0.0%	0.0%	0.0%	0.0%	HHP
Home Medical Products	0.3%	0.3%	0.0%	0.0%	HHP
Other Potentially Harmful Wastes	0.1%	0.1%	0.1%	0.0%	HHP
Miscellaneous Inorganics	0.6%	0.6%	1.3%	0.2%	
Miscellaneous Inorganics	0.6%	0.6%	1.3%	0.2%	Other
Totals	100%	100%	100%	100%	

Beverage Container Composition: Percentage of Waste Stream

Beverage Container Subsort	Soda	Beer	Water	Iced Tea/ Juice Drinks	Sports Drinks	Other New Age Drinks	Wine	Spirits	Milk/Soy/Dairy	100% Fruit & Vegetable Juices	Food	Non-Food/ Non-Beverage	Beverage > 1 Gallon	Empty HHP	Indistinguishable	Total
Paper Beverage Cartons/Aseptic Boxes	--	--	--	0.1%	0.0%	0.0%	--	--	0.1%	0.0%	0.0%	0.0%	--	--	0.0%	0.3%
#1 PET Clear/Green Bottles	0.3%	--	0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.1%	--	0.0%	0.0%	1.4%
#1 PET Other Color Bottles	0.0%	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.1%	--	--	0.0%	0.1%
#2 HDPE Natural Bottles	--	--	0.0%	0.0%	--	0.0%	--	0.0%	0.2%	0.0%	0.0%	0.1%	--	--	0.0%	0.4%
#2 HDPE Pigmented Bottles	--	--	--	0.0%	--	0.0%	--	0.0%	0.0%	0.0%	0.1%	0.4%	--	0.0%	0.0%	0.5%
#3 PVC Bottles	--	--	--	--	--	--	--	--	--	--	0.0%	0.0%	--	--	0.0%	0.0%
#4 LDPE/LLDPE Bottles	--	--	--	0.0%	--	--	--	--	--	--	0.0%	0.0%	--	--	--	0.0%
#5 PP Rigid Bottles	--	--	--	0.0%	--	--	--	--	0.0%	--	0.0%	0.0%	--	--	0.0%	0.0%
#6 PS Rigid Bottles	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	--	--	0.0%
#7 Other Bottles	--	--	--	0.0%	--	--	--	--	0.0%	0.0%	0.0%	0.0%	--	--	--	0.0%
Dual Numbered Plastic Bottles	--	--	--	0.0%	--	--	--	--	--	0.0%	--	--	--	--	0.0%	0.0%
Unlabeled Plastic Bottles	--	--	--	--	--	0.0%	--	--	--	--	0.0%	0.0%	--	--	0.0%	0.0%
BioPlastic Bottles	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	--	0.0%
Film Plastic: Food/Drink Pouches	--	--	--	0.0%	--	--	--	--	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%
Clear Container Glass	0.1%	0.3%	--	0.3%	--	0.0%	0.2%	0.2%	0.0%	0.0%	0.7%	0.0%	--	--	0.0%	1.9%
Green Container Glass	0.0%	0.2%	0.0%	--	--	--	0.4%	--	--	--	0.0%	--	--	--	0.0%	0.6%
Brown Container Glass	0.0%	0.3%	--	0.0%	--	--	0.0%	0.0%	--	--	0.0%	0.0%	--	--	--	0.3%
Other Color Container Glass	0.0%	0.0%	--	--	--	--	0.0%	0.0%	--	--	--	0.0%	--	--	--	0.0%
Aluminum Cans	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.1%	--	--	--	0.3%
Steel/Tin Food Cans	--	0.0%	--	0.0%	0.0%	0.0%	--	--	0.0%	0.0%	0.7%	0.1%	--	--	0.0%	0.8%
Total	0.5%	0.8%	0.3%	0.7%	0.1%	0.1%	0.6%	0.3%	0.4%	0.2%	1.8%	0.9%	--	0.0%	0.1%	6.8%

Plastic Resin Composition: Percentage of Waste Stream

Resin Subsort	Type	#1 PET Clear/Green	#1 PET Other Color	#2 HDPE Natural	#2 HDPE Pigmented	#3 PVC	#4 LDPE/LLDPE	#5 PP Rigid	#5 PP Expanded	#6 PS Rigid	#6 PS Expanded	#7 Other	Dual Numbered	Other Labeled Resin	Polyethylene Film (HD/LD/LLD)	Non-PE Film	BioPlastic	Unlabeled Resin	Total
Plastic Bottles	Rigid Containers/Packaging	1.4%	0.1%	0.4%	0.5%	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	0.0%	--	--	--	0.0%	0.0%	2.6%
#1 PET Thermoforms	Rigid Containers/Packaging	0.2%		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2%
Tubs/Lids Excluding #6 Polystyrene	Rigid Containers/Packaging	0.0%		0.0%	0.0%	0.0%	0.0%	0.2%	--	--	--	0.0%	--	--	--	--	--	0.2%	0.5%
#6 Rigid Polystyrene Containers/Packaging	Rigid Containers/Packaging	--		--	--	--	--	--	--	0.1%	--	--	--	--	--	--	--	--	0.1%
Other Rigid Containers/Packaging	Rigid Containers/Packaging	0.0%		0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	--	--	0.0%	--	--	--	--	0.0%	0.3%	0.5%
Single Use Plastic Plates/Cups/Cutlery	Other Rigid Plastic	0.0%		--	--	--	--	0.0%	--	0.2%	0.1%	0.0%	--	--	--	--	0.0%	0.1%	0.5%
Appliances: Plastic	Other Rigid Plastic	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4%	0.4%
Bulk/Rigid Plastic: Crates/Soda Bottle Carriers	Other Rigid Plastic	--		--	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	0.0%	0.0%
Bulk/Rigid Plastic: Toys/Housewares	Other Rigid Plastic	--		--	0.0%	0.0%	0.0%	0.1%	--	0.0%	--	--	--	--	--	--	--	1.3%	1.4%
Bulk/Rigid Plastic: Other Durable	Other Rigid Plastic	--		0.0%	0.1%	--	0.0%	--	--	--	--	--	--	--	--	--	--	0.0%	0.1%
Other PVC	Other Rigid Plastic	--		--	--	0.1%	--	--	--	--	--	--	--	--	--	--	--	--	0.1%
Other Plastics	Other Rigid Plastic	--		0.0%	0.0%	--	0.0%	0.0%	--	0.0%	--	--	--	--	--	--	--	0.5%	0.5%
#6 EPS Containers/Packaging	Expanded Polystyrene	--		--	--	--	--	--	--	--	0.4%	--	--	--	--	--	--	--	0.4%
Film Plastic: Retail Bags and Sleeves	Film	--		--	--	--	--	--	--	--	--	--	--	--	1.6%	--	--	--	1.6%
Film Plastic: Garbage Bags	Film	--		--	--	--	--	--	--	--	--	--	--	--	1.6%	--	--	--	1.6%
Film Plastic: Food/Drink Pouches	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	0.0%
Film Plastic: Other #2/#4 Polyethylene	Film	--		--	--	--	--	--	--	--	--	--	--	--	0.6%	--	--	--	0.6%
Film Plastic: Other Non-PE/Contaminated	Film	--		--	--	--	--	--	--	--	--	--	--	--	--	0.9%	--	--	0.9%
Total		1.8%		0.4%	0.6%	0.1%	0.0%	0.5%	0.0%	0.4%	0.6%	0.0%	0.0%	--	3.8%	0.9%	0.0%	2.9%	12.1%

Comparison of 2013 WCS to 2005 WCS Material Categories

Material	2013 Aggregate	2013 Refuse	2013 MGP	2013 Paper	2005 Aggregate	2005 Refuse	2005 MGP	2005 Paper	DSNY Diversion Summary Category
Paper	27.0%	21.3%	6.9%	94.5%	30.0%	23.3%	5.2%	97.3%	
High Grade Paper	1.3%	0.9%	0.1%	5.9%	0.9%	0.7%	0.1%	3.2%	Designated Paper
Mixed Low Grade Paper	9.3%	7.4%	2.4%	31.9%	11.3%	8.8%	1.4%	36.2%	Designated Paper
Newspaper	3.3%	1.5%	0.7%	21.1%	7.5%	3.7%	0.6%	41.6%	Designated Paper
Other Nonrecyclable Paper	0.9%	0.9%	0.5%	0.9%	0.7%	0.7%	0.4%	0.7%	Other
Paper Beverage Cartons/Aseptic Boxes	0.4%	0.3%	2.3%	0.3%	0.5%	0.4%	2.0%	0.3%	Designated MGP
Paper: Compostable/ Soiled/Waxed OCC/ Kraft	7.5%	8.8%	0.5%	0.6%	6.1%	7.2%	0.4%	1.4%	Organics Suitable for Composting
Plain OCC/Kraft Paper	4.4%	1.5%	0.5%	33.7%	3.1%	1.9%	0.3%	14.0%	Designated Paper
Plastic	14.0%	13.7%	32.7%	2.5%	14.2%	15.0%	24.4%	1.4%	
#1 PET Bottles	1.4%	0.9%	9.5%	0.2%	1.2%	0.9%	6.5%	0.1%	Designated MGP
#2 HDPE Natural Bottles	0.5%	0.2%	4.5%	0.1%	0.5%	0.3%	3.1%	0.0%	Designated MGP
#2 HDPE Pigmented Bottles	0.4%	0.2%	3.6%	0.0%	0.5%	0.3%	3.3%	0.0%	Designated MGP
#6 EPS Containers/ Packaging	0.8%	0.9%	0.1%	0.2%	0.5%	0.6%	0.1%	0.0%	Other
Appliances: Plastic	0.2%	0.3%	0.4%	0.0%	0.3%	0.2%	0.9%	0.0%	Designated MGP (after study completed)
Bulky and Other Plastics	1.7%	1.6%	4.7%	0.3%	1.9%	1.9%	3.6%	0.2%	Designated MGP (after study completed)
Film Plastic: Bags	2.3%	2.7%	0.9%	0.2%	2.7%	3.2%	0.9%	0.2%	Plastic Bags
Film Plastic: Other	4.4%	4.8%	3.8%	1.4%	4.8%	5.4%	3.1%	0.7%	Other
Other Plastic Bottles	0.1%	0.1%	0.8%	0.0%	0.1%	0.1%	0.3%	0.0%	Designated MGP
Rigid Plastic Containers/Packaging	1.6%	1.5%	4.0%	0.2%	1.3%	1.3%	2.3%	0.1%	Designated MGP (after study completed)
Single Use Plastic Plates/Cups/Cutlery	0.5%	0.5%	0.3%	0.0%	0.5%	0.6%	0.2%	0.0%	Designated MGP (after study completed)
Glass	4.4%	2.0%	38.4%	0.4%	4.5%	2.6%	32.9%	0.1%	
Brown Container Glass	0.4%	0.2%	3.0%	0.0%	0.4%	0.3%	2.0%	0.0%	Designated MGP
Clear Container Glass	1.8%	0.9%	14.9%	0.1%	1.6%	1.2%	8.2%	0.0%	Designated MGP
Green Container Glass	0.7%	0.2%	7.2%	0.0%	0.5%	0.3%	4.1%	0.0%	Designated MGP
Mixed Cullet	1.1%	0.4%	11.9%	0.1%	1.8%	0.6%	18.1%	0.0%	Designated MGP
Other Color Container Glass	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.2%	0.0%	Designated MGP
Other Glass	0.4%	0.3%	1.2%	0.1%	0.2%	0.2%	0.4%	0.0%	Other

Comparison of 2013 WCS to 2005 WCS Material Categories (Continued)

Material	2013 Aggregate	2013 Refuse	2013 MGP	2013 Paper	2005 Aggregate	2005 Refuse	2005 MGP	2005 Paper	DSNY Diversion Summary Category
Metal	3.5%	2.9%	15.5%	0.3%	5.7%	4.1%	32.5%	0.1%	
Aluminum Cans	0.3%	0.2%	1.2%	0.0%	0.2%	0.2%	0.6%	0.0%	Designated MGP
Aluminum Foil/ Containers	0.5%	0.5%	0.8%	0.0%	0.5%	0.6%	1.0%	0.0%	Designated MGP
Appliances: Ferrous	0.3%	0.2%	1.6%	0.0%	0.7%	0.4%	5.5%	0.0%	Designated MGP
Appliances: Non-Ferrous	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.1%	0.0%	Designated MGP
Empty Aerosol Cans	0.1%	0.1%	0.8%	0.0%	0.2%	0.1%	0.7%	0.0%	Designated MGP
Mixed Metals	0.4%	0.5%	0.9%	0.0%	0.7%	0.5%	3.3%	0.0%	Designated MGP
Other Aluminum	0.1%	0.1%	0.3%	0.0%	0.1%	0.0%	0.4%	0.0%	Designated MGP
Other Ferrous	0.8%	0.7%	3.0%	0.1%	1.9%	1.2%	12.8%	0.0%	Designated MGP
Other Non-Ferrous	0.1%	0.1%	0.4%	0.0%	0.2%	0.1%	0.8%	0.0%	Designated MGP
Steel/Tin Food Cans	0.9%	0.5%	6.2%	0.1%	1.2%	0.8%	7.3%	0.0%	Designated MGP
Organics	43.9%	51.8%	3.9%	1.8%	38.9%	47.0%	2.7%	0.9%	
Animal By-Products	1.8%	2.1%	0.0%	0.0%	1.1%	1.3%	0.0%	0.0%	Other
Carpet/Upholstery	1.2%	1.5%	0.0%	0.0%	1.2%	1.5%	0.0%	0.0%	Other
Disposable Diapers/ Sanitary Products	3.8%	4.5%	0.1%	0.1%	3.2%	3.9%	0.1%	0.0%	Other
Fines	2.8%	3.3%	0.6%	0.2%	3.6%	4.3%	0.2%	0.3%	Other
Food	18.0%	21.1%	2.6%	0.8%	17.7%	21.4%	1.6%	0.3%	Organics Suitable for Composting
Miscellaneous Organics	0.6%	0.7%	0.1%	0.1%	0.7%	0.9%	0.1%	0.0%	Other
Non-C&D Wood	3.5%	4.1%	0.1%	0.1%	2.3%	2.7%	0.3%	0.0%	Other
Shoes/Rubber/ Leather	1.1%	1.2%	0.2%	0.3%	1.0%	1.2%	0.2%	0.1%	Textiles
Textiles: Clothing	2.8%	3.4%	0.1%	0.1%	2.5%	3.0%	0.1%	0.1%	Textiles
Textiles: Non-Clothing	2.2%	2.7%	0.1%	0.1%	1.4%	1.6%	0.1%	0.1%	Textiles
Yard Waste	6.1%	7.2%	0.1%	0.0%	4.2%	5.1%	0.0%	0.0%	Organics Suitable for Composting
E-Waste	0.9%	1.0%	0.7%	0.1%	0.6%	0.7%	0.9%	0.0%	
Audio/Visual Equipment: TV Peripherals including Cell Phones	0.3%	0.4%	0.4%	0.0%	0.3%	0.3%	0.3%	0.0%	E-Waste
Computer Monitors	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	E-Waste
Other Computer Equipment	0.3%	0.3%	0.3%	0.0%	0.2%	0.2%	0.5%	0.0%	E-Waste
Televisions	0.3%	0.3%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	E-Waste

Comparison of 2013 WCS to 2005 WCS Material Categories (Continued)

Material	2013 Aggregate	2013 Refuse	2013 MGP	2013 Paper	2005 Aggregate	2005 Refuse	2005 MGP	2005 Paper	DSNY Diversion Summary Category
Construction & Demolition	5.1%	6.0%	0.3%	0.2%	5.2%	6.3%	0.4%	0.1%	
Other C&D Debris Not Elsewhere Classified	3.0%	3.6%	0.3%	0.2%	3.0%	3.6%	0.3%	0.1%	C&D
Treated/Contaminated Wood	1.3%	1.5%	0.0%	0.1%	1.6%	2.0%	0.1%	0.0%	C&D
Untreated Dimensional Lumber/Pallets/Crates	0.8%	0.9%	0.0%	0.0%	0.6%	0.8%	0.0%	0.0%	C&D
Harmful Household Products	0.4%	0.4%	0.6%	0.1%	0.2%	0.3%	0.3%	0.0%	
Antifreeze	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	HHP
Compressed Gas Cylinders/Fire Extinguishers	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	HHP
Dry-Cell Batteries	0.1%	0.1%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	HHP
Fluorescent Tubes/CFLs	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	HHP
Home Medical Products	0.1%	0.2%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	HHP
Latex Paints/Water-Based Adhesives/Glues	0.1%	0.1%	0.4%	0.0%	0.1%	0.1%	0.1%	0.0%	HHP
Mercury-Laden Wastes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	HHP
Oil Filters	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	HHP
Oil-Based Paints/Solvent-Based Adhesives/Glues	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	HHP
Other Potentially Harmful Wastes	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	HHP
Pesticides/Herbicides/Rodenticides	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	HHP
Wet-Cell Batteries	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	HHP
Miscellaneous Inorganics	0.8%	0.9%	0.9%	0.1%	0.6%	0.7%	0.6%	0.0%	
Miscellaneous Inorganics	0.8%	0.9%	0.9%	0.1%	0.6%	0.7%	0.6%	0.0%	Other
Grand Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	



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