

The NYC Department of Sanitation

# 2024 ZeroWaste Report



**sanitation**

# The NYC Department of Sanitation 2024 Zero Waste Report

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## Report Summary

The NYC Department of Sanitation (DSNY) is pleased to submit its 2024 Zero Waste Report which provides an overview of our waste diversion targets, programs, and recommendations. This plan fulfills the reporting requirements of Local Laws 85, 86, 87, 88, and 89 of 2023.

## Annual Waste Diversion and Curbside Capture Rate

The table below outlines DSNY's diversion and curbside capture rates based on local waste generation trends, new DSNY diversion programs, and changes due to local law.

### Diversion Rate

DSNY publishes two diversion rates per Local Law 40 of 2010: the Curbside and Containerized Diversion Rate and the DSNY-Managed Diversion Rate. The Curbside and Containerized Diversion Rate includes metal, glass, plastic (MGP), paper, and food and yard waste collected from households, schools, not-for-profit institutions, city agencies, and all recyclable materials collected as part of the public space recycling program.

The DSNY-Managed Diversion Rate includes these same materials, as well as:

- Donated clothing and textiles.
- Diverted household hazardous waste.
- Rechargeable batteries collected.
- Beverage containers returned within the city.
- Electronic waste collected within the city or otherwise diverted from the city's waste stream.
- Food donations.
- Leaf and yard waste.
- Other organics collections, such as food scrap drop-offs.
- Other used materials donations.

	Curbside & Containerized Diversion Rate	DSNY-Managed Diversion Rate*
FY24	17.5%	20.6%

*\*Some categories used to calculate the DSNY-managed diversion rate are provided by partners and vendors from which DSNY does not collect. These quantities are provided annually voluntarily. Additional unreported collections may exist within NYC.*

### Curbside and Containerized Capture Rate\* Targets by Material Stream

	MGP Capture Rate	Paper Capture Rate	Organics Capture Rate
FY24	47.0%	51.6%	4.1%**

*\*Capture rates are based on compositional data from the 2023 Waste Characterization Study and are thus estimated for FY24.*

*\*\* This is a citywide capture rate and includes organics collected only from Brooklyn and Queens, but from refuse collected citywide.*

## FY25 Diversion

DSNY expects to see an increase in organics diversion as all New Yorkers will have access to curbside collection for food and yard waste starting October 6, 2024.

Increased diversion as a result of the expansion of curbside organics to Manhattan, the Bronx, and Staten Island is expected to positively impact the curbside and containerized diversion rate. The program is mandatory and enforcement will begin in the spring of 2025.

As such, while Local Law 87 of 2023 specifies that the Department set annual diversion targets, we do not yet have the necessary data to craft a meaningful target that incorporates growth of the Department's largest diversion program. The Department will be more appropriately equipped at least a year after enforcement begins on a citywide curbside organics program to develop and incorporate such a target in future Zero Waste Reports.

## Diversion and Capture Rates

This section details the diversion and capture rates for materials collected curbside and non-curbside.

### FY2024 Curbside and Containerized Diversion Rates by District

The table below includes curbside and containerized tonnages for each stream collected by DSNY, disaggregated by DSNY District. Organics, MGP, and Paper are considered tons diverted, while Refuse is considered tons disposed.

FY 2024 (Tons Per Day)						
Borough	District	ORGANICS TONS	MGP TONS	PAPER TONS	REFUSE TONS	Diversion Rate
Manhattan	MN01	0.1	8.8	15.7	72.1	25.4%
	MN02	1.6	10.1	15.5	83.3	24.6%
	MN03	2.5	10.3	14.1	169.3	13.7%
	MN04	0.6	12.9	18.6	121.8	20.9%
	MN05	0.0	6.1	10.3	66.6	19.8%
	MN06	0.4	13.8	20.4	127.5	21.4%
	MN07	3.9	25.9	38.2	190.1	26.3%
	MN08	0.8	26.7	41.9	208.9	24.9%
	MN09	3.0	9.3	12.2	117.2	17.2%
	MN10	1.8	11.5	10.7	139.5	14.7%
	MN11	0.6	6.7	11.1	158.0	10.4%
	MN12	1.5	18.2	16.7	196.3	15.6%
<b>Manhattan Total</b>		<b>16.7</b>	<b>160.2</b>	<b>225.3</b>	<b>1650.5</b>	<b>19.6%</b>
Bronx	BX01	0.0	5.3	5.5	148.1	6.8%
	BX02	2.8	5.4	4.5	68.9	15.5%
	BX03	3.0	6.1	5.9	119.7	11.1%
	BX04	2.5	12.1	10.0	162.8	13.2%
	BX05	2.2	12.2	8.5	149.0	13.3%
	BX06	1.6	8.5	9.5	113.9	14.7%
	BX07	0.1	16.7	11.3	155.7	15.3%
	BX08	3.1	13.5	12.9	110.1	21.1%
	BX09	1.8	14.0	9.9	195.7	11.6%
	BX10	0.1	14.1	12.0	131.3	16.6%
	BX11	0.1	12.2	12.1	146.4	14.3%
	BX12	2.5	21.5	12.4	179.0	16.9%
<b>Bronx Total</b>		<b>19.8</b>	<b>141.7</b>	<b>114.4</b>	<b>1680.6</b>	<b>14.1%</b>

Borough	District	ORGANICS TONS	MGP TONS	PAPER TONS	REFUSE TONS	Diversion Rate
Brooklyn	BKN01	2.9	16.4	28.1	257.7	15.5%
	BKN02	4.7	15.0	21.6	162.6	20.2%
	BKN03	5.4	12.5	17.0	206.7	14.5%
	BKN04	1.2	13.4	10.3	137.7	15.3%
	BKN05	4.6	16.7	10.7	231.0	12.1%
	BKN08	4.4	9.7	11.9	103.3	20.1%
	BKN09	1.1	9.2	10.8	128.0	14.1%
	BKN16	1.6	6.0	4.4	116.6	9.3%
	BKN17	1.9	16.0	12.2	180.0	14.3%
	BKS06	6.0	14.0	19.2	105.3	27.1%
	BKS07	2.4	13.8	14.5	133.3	18.7%
	BKS10	1.3	16.3	16.5	137.7	19.9%
	BKS11	5.6	19.3	20.6	207.1	18.0%
	BKS12	3.5	12.9	25.9	266.6	13.7%
	BKS13	0.4	8.5	8.3	105.2	14.0%
	BKS14	4.9	15.4	17.1	194.7	16.1%
	BKS15	1.5	18.5	20.2	193.2	17.2%
	BKS18	4.9	23.3	21.2	244.9	16.8%
Brooklyn Total		58.2	256.8	290.4	3111.6	16.3%
Queens	QE07	6.8	29.1	29.5	267.2	19.7%
	QE08	2.9	14.7	18.3	184.7	16.3%
	QE10	3.3	19.6	13.9	151.8	19.5%
	QE11	6.4	16.0	17.5	127.3	23.9%
	QE12	10.9	34.2	19.7	309.1	17.3%
	QE13	5.1	30.7	19.6	230.9	19.4%
	QE14	2.4	9.5	11.7	159.8	12.9%
	QW01	6.0	24.5	28.1	208.2	21.9%
	QW02	7.8	15.6	17.4	130.5	23.8%
	QW03	1.4	19.3	14.3	192.0	15.4%
	QW04	1.0	18.7	13.3	169.7	16.3%
	QW05	6.9	25.3	23.3	188.3	22.8%
	QW06	2.4	14.1	15.1	114.1	21.7%
	QW09	8.1	19.1	16.8	160.2	21.6%
Queens Total		71.2	290.6	258.5	2593.8	19.3%
Staten Island	SI01	1.8	24.2	22.8	239.4	17.0%
	SI02	2.1	18.6	20.0	184.3	18.1%
	SI03	2.9	24.4	27.1	223.3	19.6%
Staten Island Total		6.8	67.2	69.9	646.9	18.2%
Grand Total		172.7	916.4	958.5	9683.4	17.5%

## Non-Curbside Capture Rate

Non-curbside capture rates are based on results of the most recent 2023 Waste Characterization Study. Tonnages collected curbside are the percentage of each category in aggregate waste found in the study, multiplied by actual FY24 curbside and containerized collections. DSNY does not and cannot track tonnages of individual material types that are collected curbside outside of a waste characterization study. Thus, total curbside tonnages of the below material groups are estimates.

There is additional divertible material recycled or disposed of that is not reported to DSNY. Non-curbside tonnages are sometimes handled by third-party vendors who voluntarily provide their collections to DSNY. Additional unreported collections may exist within NYC.

## Textiles

Non-curbside textiles include collections from refashionNYC, the refashionNYC garage pilot, and reports from DSNY partners including collections from public textile bins and GrowNYC.

### Textiles FY24

Tonnage Collected Non-Curbside, Recycled (A)	<b>6,599.71</b>
Tonnage Collected Curbside (B)	<b>155,406.07</b>
All DSNY-Managed Textiles (B)	<b>162,005.78</b>
Textiles Capture Rate (B)	<b>4.1%</b>

## Hazardous Household Waste (HHW)

Household Hazardous Waste (HHW) includes non-electronic material collected at SAFE Events, Special Waste Drop-Off Sites, Agency Safe Handling, Residual Motor Oil from user Filters, Antifreeze, Lead Acid Battery Cores, CFC removals, and reporting from our partners such as PaintCare.

### HHW FY24

Tonnage Collected Non-Curbside (A)	<b>1,652.57</b>
Tonnage Collected Curbside (B)	<b>13,705.49</b>
All Collected HHW (B)	<b>15,358.06</b>
HHW Capture Rate (B)	<b>10.8%</b>

## Electronics

Non-curbside electronics collections include: ecycleNYC, SAFE Events, Special Waste Drop-Off Sites, Staten Island Electronics Pilot, ecycleNYC events, ecycleNYC garage collections, Agency Safe Handling, and reported collections from DSNY partners, including Electronics Recyclers International (ERI).

### Electronics FY24

Tonnage Collected Non-Curbside, Recycled (A)	<b>9,946.27</b>
Tonnage Collected Curbside (B)	<b>16,422.26</b>
All DSNY-Managed Electronics (B)	<b>26,368.53</b>
Electronics Capture Rate (B)	<b>37.7%</b>

## Organics

Organics is diverted through both curbside and non-curbside programs, as well as third party-vendors. The capture rate for organics is therefore inclusive of material collected curbside as well. Divertible organics collections are inclusive of food scrap drop-off sites, food rescued by partners such as City Harvest, Rikers food waste, landscaper waste, horse manure, and leaves/brush.

### Organics FY24

Tonnage Diverted Non-Curbside (A)	75,703.18
Tonnage Diverted Curbside (A)	49,701.60
Tonnage Collected Curbside (B)	1,136,114.81
All DSNY-Managed Organics (B)	1,261,519.59
Organics Capture Rate (B)	9.9%

## Increasing Diversion Rates by Material

### Organics

Food and yard waste account for more than one-third of New York City's residential waste stream. DSNY has centered much of its focus on diverting these compostable materials through expanding access to its first-ever universal Curbside Composting program. Curbside Composting service is easy to use, with no sign-up required. Following successful rollouts in Queens and Brooklyn, the program will expand citywide to Manhattan, the Bronx, and Staten Island in October of 2024.

The program is the largest composting program in the country. It is based on successful models from other US cities first mandating the separation of yard waste, while also accepting voluntary separation of food scraps. In April of 2025, the separation of food scraps will also become mandatory citywide.

The expansion of Curbside Composting service is accompanied by conveniently placed Smart Composting Bins across all five boroughs. Currently, there are approximately 400 Smart Composting Bins that residents can access for free 24/7 via a smartphone app.

In addition to residential composting, in FY24, DSNY expanded the collection of food scraps to over 500 school buildings serving every New York City Public School, as well as select private and charter schools.

### Metal/Glass/Plastic

DSNY contracts with Balcones Recycling to handle the majority of the City's residential metal, glass, and plastic recycling. Balcones' Sunset Park Material Recovery Facility (MRF) is the largest and most sophisticated plant for commingled residential recyclables in North America. The advanced technology at the MRF allows NYC to collect more types of plastic for recycling compared with programs in many other US cities. The MRF also has a Recycling Education Center where students can learn about the recycling process.

### Paper

DSNY contracts with Pratt Industries to manage the majority of the City's residential paper recycling. Pratt's location on Staten Island means that today's newspaper can become tomorrow's pizza box creating a Circular Economy right here in the City.

### Electronics

DSNY has worked to expand the range of convenient options (alternatives to landfill waste) for New Yorkers to recycle computers, printers, televisions, cell phones, and other electronic/audiovisual equipment, in accordance with the NY State Electronic Equipment Recycling and Reuse Act of 2010. As of the end of Fiscal Year 2024, almost 19,000 buildings were enrolled in ecycleNYC, DSNY's in-building electronics recycling program. DSNY has collected 708 tons of e-waste through FY24, and over 11,200 tons since the launch of the program in 2013.

DSNY's electronics recycling partner, ERI, is certified with e-stewards and R2/RIOS (Recycling Industry Operating Standards), ensuring that all materials are handled in an environmentally responsible manner and not landfilled or exported illegally.

In FY25, DSNY will be offering an electronic waste collection event in every Community Board.

## Hazardous Household Waste (HHW)

DSNY's Special Waste Programs target the safe disposal of harmful products generated by residents and DSNY managed institutions, including solvents, automotive materials, flammables, and electronics (SAFE materials) as well as other potentially harmful household products.

In FY24, DSNY held five SAFE Disposal Events — one event in each of the five boroughs — attracting approximately 10,000 residents dropping off harmful products and pharmaceuticals, in addition to electronics (described below).

DSNY also continued to operate Special Waste Drop-off Sites for use by residents in each borough. These facilities are typically open one day per week to accept both special waste (latex paint, used oil, fluorescent tubes and bulbs, batteries, mercury-containing thermostats) and electronic waste from city residents for subsequent off-site recycling, energy recovery or disposal. In Fiscal Year 2024, 409 tons of hazardous waste and electronics were collected at DSNY Special Waste Dropoff sites.

In May 2022, the State of New York implemented the paint product stewardship program, operated by PaintCare. DSNY has worked closely with this paint stewardship program to ensure that New York City households, businesses, and government agencies have convenient drop-off locations for their unwanted paint to be recycled. The program now offers 61 drop-off locations in NYC, with new locations being added.

### FY24 HHW Collected per DSNY Special Waste Site

Special Waste Site	Address	Tons of HHW Collected
Staten Island	2 Muldoon Avenue, Staten Island, NY, 10312	65.2
Bronx	2 Farragut Street, Bronx, NY 10474	10.4
Queens (College Point)	12015 31st Ave Flushing, NY 11354	51.3
Manhattan (Pike Slip)	74 Pike Slip, New York, NY 10002	15.8
Brooklyn (Greenpoint)	459 North Henry Street, Brooklyn, NY, 11222	21.8
<b>Total</b>		<b>164.5</b>

### FY24 HHW Collected per DSNY SAFE and Popup Events

SAFE Event	Date	Tons of HHW Collected
Manhattan/Union Square	10/15/2023	24.6
Queens/Cunningham Park	9/10/2023	42.0
Bronx/Orchard Beach	9/30/2023	35.1
Staten Island/Midland Beach	10/21/2023	77.9
Brooklyn/Maimonides Park	10/29/2023	30.4
Queens/Roy Wilkins Popup	7/29/2023	1.9
<b>Total</b>		<b>211.8</b>

## Textiles

DSNY offers a citywide textile collection program, refashionNYC, that is available to residential apartment buildings with 10 or more units and other non-residential buildings such as office buildings, commercial businesses, schools, and institutions. All participating buildings receive a convenient in-building textile collection bin and on-call pickup service. This program is operated through a partnership with New York City non-profit Housing Works. Textile items that are suitable for resale get resold in area thrift stores and the rest are sent to textile merchants for salvage (to make fillings for mattresses, car seats, carpet padding, insulation, etc.).

Since the program launched in 2011, refashionNYC has collected over 18,500 tons of textile waste. By the end of FY24, there were 2,503 buildings participating in refashionNYC and more than 1,970 tons were collected. In FY24, DSNY collected 3 tons from its refashionNYC DSNY garage pilot in which DSNY workers are able to recycle their clothing and old uniforms.

In FY24, 3,241.03 tons of textile donations in publicly accessible bins were reported to DSNY.

## Community Reuse and Recycling Events

In FY24, DSNY held 38 reuse and recycling events attended by over 6,500 residents and collected over 93,500 pounds of reusable goods.

DSNY and its partners provide literature and educate the public on proper disposal, reuse, and recycling of their waste. Below is a summary of event attendance and staffing:

Date	Venue	Attendance	F/T Staff	P/T Staff	Volunteers
7/8/2023	James Baldwin Outdoor Learning Center Farmers Market	96	2	4	5
7/11/2023	Project Hospitality Community Services Center	117	3	2	3
7/23/2023	Riverdale Y	458	2	4	7
7/25/2023	Medgar Evers College	128	2	2	7
8/12/2023	Hope Gardens Comm Ctr	191	2	6	7
8/19/2023	William Hodson Senior Center	84	2	4	3
9/10/2023	Pioneer Works	120	2	4	4
9/17/2023	Pomonok Houses Senior/Community Center	154	2	4	6
10/3/2023	Brooklyn Borough Hall	175	3	3	6
10/7/2023	St. Anselm Church	159	2	4	6
10/22/2023	Commonpoint QNS Central	238	2	3	11
11/4/2023	Forte Preparatory Academy	110	2	5	4
11/11/2023	Roosevelt Island Older Adult Center	247	2	4	15
11/18/2023	M.S. 210Q The Elizabeth Blackwell School	121	2	4	8
12/2/2023	College of Staten Island	140	3	4	8
12/10/2023	Free Synagogue of Flushing	165	2	4	11
12/16/2023	Baychester Community Center	45	2	5	2
1/7/2024	Boro Park YM-WHA	95	2	5	2
1/13/2024	Q300 Middle School	235	2	4	10
1/20/2024	Brooklyn Army Terminal	125	2	5	5
1/27/2024	P.S. 137 Rachel Jean Mitchell	102	2	3	4
2/3/2024	P.S. 281 The River School	284	2	5	10
2/10/2024	M.S. 35 Stephen Decatur	134	2	3	1
2/17/2024	Wagner Houses	79	1	4	3
2/24/2024	Project Farmhouse	235	2	4	15
3/2/2024	BX Amalgamated Houses	146	2	4	1
3/10/2024	P.S. 69	445	3	4	12
3/16/2024	P.S. 9 Sarah Smith Garnet	302	2	3	7
3/23/2024	St. Mary's Episcopal Church	49	2	4	4
4/6/2024	BronxWorks Classic Comm Ctr	108	2	4	5
4/13/2024	Madison Square Park	230	2	4	9
4/21/2024	District 44 Clean & Green	240	2	5	8
4/27/2024	Castle Hill Boys and Girls Club	96	2	4	3
5/4/2024	Riverside Park Field House	135	2	3	2
5/11/2024	RISE Center Rockaway	91	2	5	6
5/18/2024	BK Green Magnet School of Eco-Activism	155	2	5	8
6/1/2024	MacNeil Park - CPN Family Earth Fair	245	2	5	6
6/9/2024	QNS County Farm Museum	464	2	5	16

## Weight of material collected and donated:

DATE	VENUE	CLOTHING	HOUSEWARE	BOOKS	APPLIANCES	ARTS & CRAFTS	BABY ITEMS	MEDIA	SHOES	ACCESSORIES	ELECTRONICS
7/8/2023	James Baldwin Outdoor Learning Center Farmers Market	602.5	399.5	294.5	7.0	28.5	25.5	34.5	64.5	79.0	55.0
7/11/2023	Project Hospitality Community Services Center	437.0	261.0	513.0	16.0	7.5	30.0	24.0	25.5	45.5	4.5
7/23/2023	Riverdale Y	1,313.0	484.5	299.5	66.0	49.5	18.5	20.0	194.5	127.0	54.0
7/25/2023	Medgar Evers College	704.0	236.5	277.0	4.0	6.5	17.0	9.5	226.5	33.0	25.5
8/12/2023	Hope Gardens Comm Ctr	615.0	317.0	95.5	1.0	77.0	9.0	11.0	153.5	55.0	86.5
8/19/2023	William Hodson Senior Center	449.0	186.5	310.5	20.5	52.5	2.0	7.0	142.5	48.5	51.0
9/10/2023	Pioneer Works	743.0	481.0	185.0	11.0	43.5	4.0	31.0	276.5	78.0	48.0
9/17/2023	Pomono Houses Senior/Community Center	909.5	527.5	237.0	5.0	87.5	34.0	152.5	158.5	77.5	111.5
10/3/2023	Brooklyn Borough Hall	362.5	310.0	215.0	16.0	56.5	87.0	49.0	99.5	81.5	33.5
10/7/2023	St. Anselm Church	372.5	319.5	167.5	5.0	29.0	3.0	70.5	42.0	41.0	30.0
10/22/2023	Commonpoint QNS Central	973.5	759.0	1,016.0	56.5	97.0	47.5	48.5	180.0	169.5	135.0
11/4/2023	Forte Preparatory Academy	232.5	5.0	111.0	0.0	16.5	16.0	0.0	20.0	15.5	0.0
11/11/2023	Roosevelt Island Older Adult Center	1,143.5	1,348.5	724.5	185.0	126.0	13.5	44.0	291.0	208.0	238.5
11/18/2023	M.S. 210Q The Elizabeth Blackwell School	549.0	421.0	249.0	7.5	98.5	5.0	27.0	120.0	76.5	38.5
12/2/2023	College of Staten Island	571.0	856.1	566.5	70.0	100.0	8.5	168.0	114.0	75.5	64.5
12/10/2023	Free Synagogue of Flushing	704.0	544.5	158.5	85.5	38.0	34.5	9.5	93.5	113.5	205.0
12/16/2023	Baychester Community Center	715.0	214.5	43.0	0.0	46.5	0.5	5.0	138.5	104.5	46.0
1/7/2024	Boro Park YM-WHA	253.5	182.0	258.5	0.0	49.5	26.5	3.5	53.5	44.5	199.5
1/13/2024	Q300 Middle School	1,682.0	632.0	709.0	68.0	94.5	49.0	59.5	279.5	95.5	134.5
1/20/2024	Brooklyn Army Terminal	1,011.5	343.5	242.0	43.0	90.5	66.0	44.0	135.5	88.0	285.0
1/27/2024	P.S. 137 Rachel Jean Mitchell	713.0	328.0	208.0	43.5	62.5	49.0	12.0	188.0	74.5	24.0
2/3/2024	P.S. 281 The River School	758.0	426.0	651.5	42.5	106.0	27.5	39.0	119.5	109.5	89.0
2/10/2024	M.S. 35 Stephen Decatur	766.5	344.0	272.5	41.5	35.0	3.5	15.0	141.0	72.5	18.0
2/17/2024	Wagner Houses	574.5	0.0	0.0	0.0	0.0	0.0	0.0	67.5	58.0	0.0
2/24/2024	Project Farmhouse	526.0	462.0	232.5	16.5	80.0	5.5	24.0	157.0	138.5	68.5
3/2/2024	BX Amalgamated Houses	717.0	411.0	257.5	31.0	72.5	31.0	20.0	260.5	89.5	72.0
3/10/2024	P.S. 69	1,619.0	770.5	988.0	95.0	75.0	111.0	42.5	246.5	206.0	422.5
3/16/2024	P.S. 9 Sarah Smith Garnet	1,149.5	648.5	691.5	55.5	133.0	35.5	31.0	218.0	151.5	128.0
3/23/2024	St. Mary's Episcopal Church	469.0	0.0	0.0	0.0	0.0	0.0	0.0	81.5	39.5	0.0
4/6/2024	BronxWorks Classic Comm Ctr	647.0	308.0	215.5	27.0	51.5	4.0	8.0	87.0	55.0	61.5
4/13/2024	Madison Square Park	563.0	501.0	165.0	17.0	18.0	45.5	24.5	132.5	123.5	68.0
4/21/2024	District 44 Clean & Green	1,029.5	448.5	475.0	71.0	71.0	36.5	47.0	214.0	100.5	144.5
4/27/2024	Castle Hill Boys and Girls Club	703.5	225.5	272.0	33.0	25.5	9.5	3.0	104.5	64.0	42.0
5/4/2024	Riverside Park Field House	0.0	0.0	1,616.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/11/2024	RISE Center Rockaway	398.0	88.5	146.5	4.5	27.5	0.0	2.0	69.5	46.0	15.0
5/18/2024	BK Green Magnet School of Eco-Activism	577.5	168.0	199.5	19.5	40.0	11.5	2.5	72.5	79.5	29.5
6/1/2024	MacNeil Park - CPN Family Earth Fair	925.0	671.0	486.0	27.0	50.5	10.0	67.0	213.0	74.5	139.0
6/9/2024	QNS County Farm Museum	270.5	247.0	247.0	0.0	21.0	0.0	0.0	44.5	36.0	0.0

DATE	VENUE	BEDDING	TOYS & GAMES	PET ITEMS	PERSONAL HYGIENE	TOOLS	MUSIC INSTRUMENTS	UNSORTED INTAKE	TOTAL INTAKE	UNSORTED LEFTOVERS	LEFTOVERS DONATION RECIPIENT
7/8/2023	James Baldwin Outdoor Learning Center Farmers Market	69.0	69.0	0.5	19.5	0.0	0.0	0.0	1,748.5	289.0	Salvation Army
7/11/2023	Project Hospitality Community Services Center	6.0	61.5	0.5	14.5	23.5	0.0	0.0	1,470.0	614.0	Project Hospitality Community Services Center
7/23/2023	Riverdale Y	35.0	301.0	6.5	28.5	1.5	13.2	0.0	2,999.0	1,013.5	Goodwill
7/25/2023	Medgar Evers College	24.0	102.0	0.0	9.5	5.5	0.0	57.5	1,795.5	306.0	Salvation Army
8/12/2023	Hope Gardens Comm Ctr	29.5	160.0	7.0	29.0	0.0	0.0	0.0	1,646.0	201.5	Salvation Army
8/19/2023	William Hodson Senior Center	19.5	24.0	9.5	32.5	1.0	0.0	0.0	1,356.5	325.5	(Recirculated to next swap event)
9/10/2023	Pioneer Works	51.5	190.0	1.5	16.5	4.0	0.0	0.0	2,164.5	445.0	(Recirculated to next swap event)
9/17/2023	Pomono Houses Senior/Community Center	32.0	230.0	3.0	74.5	2.0	0.0	325.5	2,967.5	834.5	All for Us Clothing
10/3/2023	Brooklyn Borough Hall	48.0	162.5	0.0	25.0	0.0	0.0	0.0	1,546.0	109.5	Salvation Army
10/7/2023	St. Anselm Church	10.0	153.0	2.0	9.0	9.5	0.0	0.0	1,263.5	228.0	Salvation Army
10/22/2023	Commonpoint QNS Central	98.5	403.5	0.0	22.0	0.0	0.0	1,541.0	5,547.5	1,155.5	Central Queens Y - Food Pantry
11/4/2023	Forte Preparatory Academy	21.5	213.0	0.0	1.0	0.0	0.0	0.0	652.0	120.0	Salvation Army
11/11/2023	Roosevelt Island Older Adult Center	123.0	423.0	82.0	28.0	10.0	0.0	0.0	4,988.5	966.5	JunkLuggers
11/18/2023	M.S. 210Q The Elizabeth Blackwell School	58.0	182.5	82.5	31.0	2.0	0.0	0.0	1,948.0	255.5	Salvation Army
12/2/2023	College of Staten Island	81.0	228.0	13.5	14.0	4.0	52.8	0.0	2,938.5	731.5	Salvation Army
12/10/2023	Free Synagogue of Flushing	49.5	178.5	7.0	33.5	18.0	26.4	0.0	2,273.0	321.0	Goodwill
12/16/2023	Baychester Community Center	45.5	53.0	0.0	45.0	1.0	39.6	0.0	1,461.0	307.5	Unidos Si Se Puede
1/7/2024	Boro Park YM-WHA	23.5	129.5	14.5	7.5	0.0	0.0	0.0	1,246.0	402.0	Goodwill
1/13/2024	Q300 Middle School	108.0	512.0	8.0	8.5	21.5	26.4	663.5	5,127.0	1,346.0	Salvation Army
1/20/2024	Brooklyn Army Terminal	68.0	274.5	5.0	16.5	69.0	0.0	0.0	2,782.0	677.0	Salvation Army
1/27/2024	P.S. 137 Rachel Jean Mitchell	56.5	211.0	1.0	22.0	2.5	0.0	0.0	1,995.5	366.5	The Free Store Project
2/3/2024	P.S. 281 The River School	60.5	509.5	8.5	15.5	6.5	39.6	0.0	2,969.0	778.5	Salvation Army
2/10/2024	M.S. 35 Stephen Decatur	70.5	153.5	0.5	13.5	1.5	13.2	0.0	1,950.0	364.5	The Free Store Project
2/17/2024	Wagner Houses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	700.0	93.0	JunkLuggers
2/24/2024	Project Farmhouse	76.5	186.0	2.0	32.5	0.0	0.0	0.0	2,007.5	162.5	Salvation Army
3/2/2024	BX Amalgamated Houses	40.0	127.5	10.5	22.0	3.0	0.0	0.0	2,165.0	456.0	JunkLuggers
3/10/2024	P.S. 69	225.5	603.0	11.0	56.5	24.0	26.4	0.0	5,496.0	1,023.5	JunkLuggers
3/16/2024	P.S. 9 Sarah Smith Garnet	56.0	245.0	11.0	22.0	52.0	0.0	0.0	3,628.0	765.0	JunkLuggers
3/23/2024	St. Mary's Episcopal Church	0.0	0.0	0.0	0.0	0.0	0.0	0.0	590.0	112.5	(Recirculated to next swap event)
4/6/2024	BronxWorks Classic Comm Ctr	28.5	32.0	8.5	34.0	7.0	13.2	0.0	1,574.5	278.5	JunkLuggers
4/13/2024	Madison Square Park	25.5	148.0	5.5	20.0	12.0	0.0	0.0	1,869.0	131.0	JunkLuggers
4/21/2024	District 44 Clean & Green	55.0	451.0	13.5	23.0	0.0	13.2	1,297.5	4,477.5	996.5	JunkLuggers
4/27/2024	Castle Hill Boys and Girls Club	22.0	49.5	8.5	19.5	1.5	13.2	0.0	1,583.5	223.0	JunkLuggers
5/4/2024	Riverside Park Field House	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,616.5	597.5	JunkLuggers
5/11/2024	RISE Center Rockaway	32.0	101.0	3.0	7.0	18.5	0.0	0.0	959.0	266.5	JunkLuggers
5/18/2024	BK Green Magnet School of Eco-Activism	46.0	164.0	1.0	11.0	1.0	0.0	300.0	1,723.0	186.0	JunkLuggers
6/1/2024	MacNeil Park - CPN Family Earth Fair	119.5	384.5	8.0	33.5	22.0	26.4	0.0	3,233.5	499.5	JunkLuggers
6/9/2024	QNS County Farm Museum	12.5	105.5	15.0	18.0	14.0	0.0	6,040.5	7,071.5	1,031.0	JunkLuggers

## Improving Outreach and Education Programs

In FY24 DSNY's outreach efforts focused on residential diversion, specifically the implementation of the nation's largest curbside composting program. Door-to-door canvassing served as a key component of the outreach campaign. DSNY knocked on the doors of over 250,000 1-9 unit buildings in Brooklyn, speaking to tens of thousands of residents in order to raise awareness and increase participation.

DSNY staff also participated in over 100 in-person and virtual events to educate property owners, building management and tenants about the service. In FY24, DSNY distributed over 300,000 pounds of compost – created from residents participating in the curbside program - directly to New Yorkers in their communities for free. At other events hosted by DSNY, thousands of residents were also able to acquire free kitchen containers, leaf bags, and brown bins, while also receiving information about DSNY's other diversion efforts.

These efforts, combined with an extensive earned and paid media campaign, contributed to a successful rollout of the curbside composting program in Brooklyn. DSNY will replicate these tactics in FY25 as the program expands to Manhattan, Bronx and Staten Island in October 2024 and continue to encourage participation after the warning period ends in Spring 2025.

DSNY is implementing several outreach and education initiatives to increase diversion in residential buildings, NYCHA, commercial establishments and the construction and demolition sector. To increase diversion in residential buildings, DSNY has expanded and revamped the long-standing Zero Waste Building Maintenance training, which is now called the Clean Buildings Training Program. The Clean Buildings Training is a series of free courses to help New Yorkers keep buildings clean through best waste management and recycling practices. Topics discussed includes DSNY rules and regulations, building waste management best practices, roles and responsibilities of tenants and staff, special waste, composting & recycling, and strategies for pest control. Additionally, we have tailored new trainings for new constituent groups, and offer the following trainings:

- Clean Buildings: Residential Maintenance Staff (available in English and Spanish)
- Clean Buildings: NYCHA Staff
- Clean Buildings: NYC Residents
- Clean Buildings: NYC Agency Staff
- Clean Buildings: Clean & Green Schools

### FY24 Clean Buildings Trainings

Training	# of Trainings	# People Reached
Clean Buildings Training Maintenance	15	144
NYC Agency Staff	5	34
NYC Residents	12	57

## Increasing Non-Residential Diversion

### NYCHA

DSNY supports NYCHA's efforts to improve setout of materials and increase waste diversion on its campuses. DSNY continues to provide recycling trainings to caretakers and staff, focusing on getting buildings to properly divert material as part of the jointly-lead "Recycle First" initiative (in collaboration with NYCHA). In FY24, DSNY conducted recycling trainings for 16 developments and trained 428 NYCHA staff members.

As part of DSNY's Smart Bin program, DSNY continues to manage smart bins located near NYCHA properties to provide NYCHA residents with access to food waste recycling programs. DSNY conducted tabling events and site visits to promote and assess the program. DSNY has also enrolled 38 NYCHA developments in ecycleNYC serving 215 NYCHA buildings.

## Schools

In FY24, DSNY once again expanded school curbside composting, completing the expansion to all New York City Public Schools (NYCPS).

With the goal of citywide containerization, DSNY piloted the use of on-street containers at 18 schools in Manhattan Community District 9 (MN09), as part of a residential pilot in the area. The pilot has been a success, containerizing what was previously a “mountain” of plastic bags on the curb. The next phase of containerization will bring improved on-street containers to MN09 in Spring 2025, with all schools in MN09 to be assigned containers for refuse, organics, MGP, and paper.

In addition, DSNY continues to provide technical assistance and educational resources to schools to educate staff and students to encourage proper recycling and organics diversion, using both in-house staff and contracted staff. Recycling education is an integral part of the curbside composting education program. Schools are equipped with sorting stations for all streams, as well as posters, decals, and comprehensive education for both staff and students, by DSNY.

## City Agency Diversion

Pursuant to Local Law 36 of 2010 city agencies are required to submit plans to DSNY to increase waste reduction and recycling in all city-owned and city-managed buildings, and to prepare annual updates each year. To aid with compliance and support proper waste management practices, DSNY has expanded and revamped its Clean Buildings Training Program that is provided to all NYC Agencies.

DSNY also works with Mayoral agencies to provide guidance in proper handling of fluorescent bulbs, ballasts, batteries, mercury-containing items, and electronics through its Agency Safe Handling Program.

## Commercial

Commercial waste is collected by private carters. DSNY currently sets rules and, along with the Business Integrity Commission (BIC), provides oversight of the management and performance of commercial carters. To improve the diversion rates, DSNY has instituted expanded rules that focus on organic waste diversion and is in the process of implementing the Commercial Waste Zone program, which incentivizes the collection of recycling and compostable waste through targeted price reductions. Those programs are detailed here.

### Commercial Diversion: Focus on Organics

In July of 2022, the commercial organics rules were fully implemented as the warning period had ended. The list of “covered generators” that are now required to separate their organic waste for diversion includes:

- Arena or stadiums having a seating capacity of 15,000 or more persons.
- Food service establishments having 7,000 or more square feet.
- Chain food service establishments of 2 or more NYC locations with a combined floor area of 8,000 square feet or more.
- Food service establishments in hotels having 100 or more guest rooms.
- Food service establishments with a combined floor area of 8,000 square feet or more in the same building or location.
- Retail food stores having at least 10,000 square feet.
- Chain retail food stores of 3 or more NYC locations w/combined floor area of 10,000 square feet or more.
- Food preparation locations having 6,000 square feet or more.
- Catering establishments hosting on-site events to be attended by more than 100 people.
- Temporary public events to be attended by more than 500 people.
- Food manufacturer that has a floor area of 25,000 square feet or more.
- Food wholesaler that has a floor area of 20,000 square feet or more.

There remains a universe of commercial establishments not required to source separate their organics. The NYC Department of Sanitation supports amending Local Law 146 of 2013 to give the Department authority to require source separation at all commercial establishments, in line with the progress made in residential diversion.

Further, DSNY staff hosts off-site group trainings; provides sample signs, labels, and electronic copies of notices in multiple languages; produces the DSNY Business Rules and Regulations Guidebook; and hosts workshops with the NYC Department of Small Business Services, Chambers of Commerce, Business Improvements Districts, and other organizations to educate businesses in all five boroughs. These updated trainings focus on the importance of source separation, especially of organic wastes, and provided tools and strategies to businesses.

### **Commercial Waste Zones: Incentivize Collection of Recycling and Organics**

Local Law 199 of 2019 established the Commercial Waste Zone (CWZ) program. In addition to the multitude of benefits related to reduced truck traffic and improved labor standards, the Commercial Waste Zone program will incentivize recycling and the collection of organics. The first Zone will roll out in Queens Central from September 3, 2024 through January 2, 2025.

All carters who provide services within the rolled out commercial waste zones will be required to provide recycling and organics collection in addition to trash collection as standard services. Carters cannot opt out of providing these services to all customers and cannot refuse to collect these waste streams from any customer. To promote increases in recycling and organics separation, the rate for recycling is projected to be 32% less and the rate for organics is projected to be 18% less than the rates for trash on average, with the opportunity for establishments to negotiate even deeper discounts. This creates a meaningful financial incentive for businesses to properly separate their waste.

In addition, greater enforcement tools through contractual mechanisms and in-field enforcement will give DSNY the ability to ensure carters are abiding by these new rules. Part of the submitted proposals focus on carters explaining their processes for adhering to rules regarding diversion and Zero Waste, ensuring responsible carters are granted contracts.

### **Construction & Demolition**

In September of 2022, Mayor Adams signed Executive Order 23 which requires certain City agencies with capital projects to consider several environmental practices in their construction projects including embodied carbon, green building standards, and lifecycle assessments. These tools should help reduce construction and demolition (C&D) waste by supporting building projects that use more sustainable construction methods and materials, last longer, and are more recyclable when they reach their end-of-life.

In October 2023, a joint agency EO23 action plan was submitted to MOCEJ to signal agency interest in addressing construction and demolition waste in City projects. The draft EO 23/2022 Joint Agency Action Plan (JAAP) proposals aim at (1) increasing recovery of construction and demolition waste (CDW) from NYC capital construction projects and (2) increasing (a) direct re-use on NYC capital construction projects (either the project generating the CDW or other NYC capital construction projects) and (b) indirect re-use via interim processing for re-use in various construction applications and new construction material manufacturing. The city construction agencies (DDC, DCAS, DEP, DOT and Parks) are permitted and encouraged to develop joint agency action plans in addition to their agency-specific action plans to reduce embodied carbon in capital projects.

### **Public Litter Baskets**

#### **Number of Public Space Recycling Receptacles Added During the Previous Year**

There are currently 893 (429 Paper, 464 MGP) public space recycling baskets in NYC. No change from the prior year.

While DSNY maintains approximately 21,000 litter baskets citywide, they represent less than 3% of all DSNY curbside and containerized waste. As part of the 2023 Waste Characterization Study, DSNY studied the composition of litter baskets for the first time in almost 20 years and found a lower proportion of recyclables and a higher proportion of nonrecyclables in the waste stream. In addition, DSNY has released a newly designed basket that is rat-resistant, leak-proof, harder to misuse with household trash (due to its split lid), and both easier and safer for Sanitation Workers to empty.

#### **Parks Litter Baskets**

The New York City Department of Parks & Recreation (DPR) does not deploy public recycling baskets. DPR reported the following actions to minimize or eliminate elements of the waste stream:

- **Lawn Clippings:** All lawn clippings (on average 14,000 tons annually) are left in place to decompose and provide nutrients to the turf.
- **Leaves:** Leaves on lawns are mulch mowed and left in place. Leaves and other organic materials in horticulture beds are left in place to decompose, providing nutrients. Leaves collected from paved surfaces are delivered to DSNY's composting facilities at Soundview and Fresh Kills (327 tons in Fall 2023, a 57% increase over 2022).
- **Composting:** At least 12 Parks locations process compostable waste for park horticultural use.
- **Woody Debris:** Parks processes woody debris from felled and removed trees into single- and double-ground woodchips which are reused as mulch for new street tree plantings and horticulture projects citywide.
- **MulchFest:** For over 20 years, Parks has organized MulchFest, processing thousands of holiday trees (42,626 in 2024) into mulch to be used by Parks and its partners.

### **Transit Litter Baskets**

The Metropolitan Transit Authority (MTA) reported that New York City Transit (NYCT) collects commingled materials from public litter baskets at subway stations citywide and transports materials to a Bronx facility where recyclables are sorted out.

## **Eliminating Non-Divertible Materials**

According to the 2023 NYC Waste Characterization Study, there are 117 material categories that are deemed "non-divertible." A material can be considered non-divertible for several reasons. For some materials, the high costs of processing and recycling are prohibitive to developing a secondary recycling market. Other materials may be soiled, multi-material, or have no existing processing or recycling infrastructure.

The list below combines those categories into larger material groups:

- Expanded Polypropylene Plastics
- Expanded Polystyrene Plastics
- Film Plastics and Pouches
- Carpet and Upholstery
- Disposable Diapers, Sanitary Products, and Animal By-Products
- Garden Hoses
- Construction & Demolition Waste
- Non-Recyclable Paper

Eliminating these materials from the waste stream is difficult and expensive. Prior to focusing our efforts on these materials, DSNY prioritizes expanding access and growing participation in our organics and traditional recycling programs, which make up most of NYC's waste. To remove or reduce these materials from the waste stream, the solution is upstream of DSNY in the form of Extended Producer Responsibility (EPR). EPR programs would move the management of these hard-to-recycle materials from local governments to the producers of these goods. In addition, EPR programs would disincentivize the usage of nonrecyclable material types and encourage manufacturers to design for recyclability.

## **Recyclable Material Market Analysis**

The status of recycling markets has no effect on New Yorker's abilities to participate in recycling. DSNY is mandated to collect all rigid plastics, glass, metal, cartons, and paper, and our processors must accept it.

Recycling commodity markets are volatile and dependent on factors beyond any local government's control. Global events, government policies and broad changes in the economy can quickly and dramatically alter commodity prices. The value of recyclables such as metals, glass, plastics, and paper are determined by complex global markets and supply chains. Post Covid, the impact of EPR implementation in various states in the US, plus continued efforts globally to address plastic pollution and overall consumer product recyclability, has had mixed results across commodities as outlined on the following page.

Market	Description
Plastics	Trends in Post-Consumer Recycled material (PCR) markets show that post-consumer plastic resin has generally gotten more expensive than their virgin counterparts. This can be attributed in part to increased demand for PCR in consumer-facing products, lower supplies of PCR than virgin material, and increased chemical recycling. Upstream of post-consumer resins, the price of feedstock (ex: plastic scraps) remains relatively low. Overall, plastic pricing has been the most volatile of all the markets.
Metal	Metals can be classified as either ferrous or nonferrous. Metal prices can fluctuate significantly based on distances for which metals must be transported for processing, the cost of transport fuel, and international demand and policies surrounding scrap metal. The global metal recycling market is anticipated to continue to grow due to a projected construction increase as well as concerns about GHG emissions and environmental regulations (leading to greater demand for recycled metals specifically). Changes in oil prices can alter the demand for metal feedstock as well since raw materials require more processing – and thus energy – to be manufactured into product. Metal pricing remained relatively steady over the past year.
Glass	Glass bottles and jars can be recycled endlessly without reduction in quality. Glass brought for recycling is processed into cullet, which is then further processed into new products. Prices for glass cullet can vary significantly by color, however prices for glass are generally the lowest of all the commodities on a per unit basis. Financial incentives and sustainability policies are likely to continue increasing demand for recycled glass products. Separately, the increased use of glass in construction and solar panels is also likely to increase the demand for glass long-term. Glass prices did not change over the past year.
Paper	Recycled paper markets can also be volatile. Factors that have had a positive effect on U.S. recycled paper markets include increased construction of recycled paper mill capacity domestically, sustainability initiatives increasing demand for recycled paper products, and increasing amounts of cardboard in the recycling stream. The largest shift in paper markets has been the decrease in newspaper and office paper. Paper is consistently a source of revenue in recycling programs.

## Organics Collected and Disposed of by Facility

Facility	Organics Tons
American Recycling	14027.58
BFI-Scott Avenue	106.96
Metropolitan	456.51
SI Transfer Station	1027.88
SITS-Compost, Back-up	1845.67
Soundview	463.42
WM-Varick	35958.9

## Organics Collected by Food Scrap Drop-Off Site

Food Scrap Drop Off Name/Location	FY24 - Total Organics Tonnage Collected	FY24 - Final Processing Destination
10th Ave and 43rd St	4.95	Staten Island Compost Facility
1100 Bergen Street Community Garden	0.99	Salt Lot Community Compost Site
134th Street Farm	1.04	Staten Island Compost Facility
18th Avenue at 64th Street	0.14	Staten Island Compost Facility
400 Montauk Community Garden	0.42	Salt Lot Community Compost Site
4th Ave Presbyterian Church	4.78	Salt Lot Community Compost Site

Abib Newborn Community Association	0.17	Salt Lot Community Compost Site
Abib Newborn Learning Garden	0.06	Salt Lot Community Compost Site
Albemarle Road and McDonald Ave	0.67	Staten Island Compost Facility
Astoria Pug: 41st Street	2.29	Queensbridge Park Compost Site (Big Reuse)
Astoria Pug: Broadway	1.14	Queensbridge Park Compost Site (Big Reuse)
Astoria Pug: Ditmars	6.63	Queensbridge Park Compost Site (Big Reuse)
Astoria Pug: Hoyt	6.71	Queensbridge Park Compost Site (Big Reuse)
Astoria Pug: Most Precious Blood	9.03	Queensbridge Park Compost Site (Big Reuse)
Astoria Pug: Newtown	1.61	Queensbridge Park Compost Site (Big Reuse)
Astoria Pug: Steinway	1.16	Queensbridge Park Compost Site (Big Reuse)
Avenue U and East 16th Street	0.36	Staten Island Compost Facility
Avenue X at West Street	0.20	Staten Island Compost Facility
Bay Parkway at 66th Street	0.17	Staten Island Compost Facility
Bay Parkway at 86th St	0.11	Staten Island Compost Facility
Big Reuse	0.23	Salt Lot Community Compost Site
Big Reuse Brooklyn	0.34	Salt Lot Community Compost Site
BK Rot	5.59	Salt Lot Community Compost Site
Brewer Food Scrap Drop-off	0.00	Queensbridge Park Compost Site (Big Reuse)
Brighton Beach Avenue and Ocean Parkway	0.24	Staten Island Compost Facility
Brighton Beach Avenue at Coney Island Avenue	0.10	Staten Island Compost Facility
Bronx River House / Starlight Park	0.47	Queensbridge Park Compost Site (Big Reuse)
Brook Park	0.45	Queensbridge Park Compost Site (Big Reuse)
Christ Church Compost Collection	3.81	Salt Lot Community Compost Site
Commuter Composting at 1st Ave and 1st St	0.84	Staten Island Compost Facility
Commuter Composting at 21st Street F Stop	0.11	Queensbridge Park Compost Site (Big Reuse)
Commuter Composting at 23rd Street C/E	2.78	Staten Island Compost Facility
Commuter Composting at Christopher St and 7th Ave	1.02	Staten Island Compost Facility
Commuter Composting at Clinton St and Grand St	6.52	Compost Learning Center, Queensbridge Park Compost Site (Big Reuse), Staten Island Compost Facility
Commuter Composting at East Broadway and Rutgers Street	4.85	Compost Learning Center, Queensbridge Park Compost Site (Big Reuse), Staten Island Compost Facility
Compost Learning Center	5.95	Compost Learning Center
Corlears Hook Park	0.81	Staten Island Compost Facility
Discovery Garden FSDO	0.12	Queensbridge Park Compost Site (Big Reuse)
East 4th Street Community Garden	4.54	Salt Lot Community Compost Site
EL Garden	1.44	Salt Lot Community Compost Site
Farm Spot	0.33	Queensbridge Park Compost Site (Big Reuse)
Farm to People	2.01	Salt Lot Community Compost Site

Farmers Garden	0.28	Salt Lot Community Compost Site
Francis Martin Library	0.12	Queensbridge Park Compost Site (Big Reuse)
Frank White Memorial Garden	2.30	Staten Island Compost Facility
Genovesi Environmental Study Center	0.80	Salt Lot Community Compost Site
Governors Island Compost Learning Center	0.04	Compost Learning Center
Gowanus Canal Conservancy	0.30	Salt Lot Community Compost Site
Hudson Square	1.66	Staten Island Compost Facility
Kew Gardens Cinemas Park	5.68	Queensbridge Park Compost Site (Big Reuse)
King Manor Museum	0.36	Queensbridge Park Compost Site (Big Reuse)
Kings Highway and East 16th Street	0.22	Staten Island Compost Facility
Maggie's Garden	1.40	Staten Island Compost Facility
Manhattan Plaza	5.10	Compost Learning Center, Queensbridge Park Compost Site (Big Reuse), Staten Island Compost Facility
Maple Street Community Garden	4.27	Salt Lot Community Compost Site
Mary Mitchell Family and Youth Center	0.10	Queensbridge Park Compost Site (Big Reuse)
Mathews-Palmer Park	8.20	Compost Learning Center, Queensbridge Park Compost Site (Big Reuse), Staten Island Compost Facility
Moffat Street Community Garden	0.46	Queensbridge Park Compost Site (Big Reuse), Salt Lot Community Compost Site
Mosholu Preservation	2.11	Queensbridge Park Compost Site (Big Reuse)
Nehemiah Ten Greenthumb Block Association	0.18	Salt Lot Community Compost Site
North Brooklyn Compost	14.72	Queensbridge Park Compost Site (Big Reuse), Salt Lot Community Compost Site
Nurture BK	12.66	Salt Lot Community Compost Site
Phoenix Community Garden	3.40	Salt Lot Community Compost Site
Pleasant Village Community Garden	0.72	Staten Island Compost Facility
Pomonok Friendship Garden FSDO	0.64	Queensbridge Park Compost Site (Big Reuse)
Prospect Farm	3.42	Salt Lot Community Compost Site
Q Gardens	4.54	Salt Lot Community Compost Site
QBG Farm and Compost Site	2.59	QBG Farm and Compost Site
QBG Public Food Scrap Drop-Off	3.25	QBG Farm and Compost Site
Rainbow Garden of Life and Health	0.06	Queensbridge Park Compost Site (Big Reuse)
Rappaport Playground	0.10	Staten Island Compost Facility
Red Hook Community Farm Compost Site	1.04	Red Hook Community Farm Compost Site
Riverdale House	0.12	Queensbridge Community Project, Queensbridge Park Compost Site (Big Reuse)
Riverdale Neighborhood House	2.06	Queensbridge Community Project, Queensbridge Park Compost Site (Big Reuse)
Rockaway Parkway	0.18	Staten Island Compost Facility
Rodale Pleasant Park Community Garden	1.37	Staten Island Compost Facility

Roosevelt Island Farmers Market	15.02	Queensbridge Community Project, Queensbridge Park Compost Site (Big Reuse)
Salt Lot Community Compost Site	9.29	Salt Lot Community Compost Site
SHCC Compost Demo Site	5.29	Snug Harbor Cultural Center & Botanical Garden, Staten Island Compost Facility
Smiling Hogshead Ranch	3.34	Queensbridge Park Compost Site (Big Reuse), Salt Lot Community Compost Site
Socrates Sculpture Park	5.34	Queensbridge Park Compost Site (Big Reuse)
South Beach Library	0.00	Snug Harbor Cultural Center & Botanical Garden
Spuyten Duyvil Preschool	1.17	Queensbridge Park Compost Site (Big Reuse)
St. Anastasia Roman Catholic Church	0.08	Queensbridge Park Compost Site (Big Reuse)
St. George Greenmarket	4.80	Snug Harbor Cultural Center & Botanical Garden, Staten Island Compost Facility
St. James Compost	3.10	Queensbridge Park Compost Site (Big Reuse)
St. Vartan Park	2.64	Staten Island Compost Facility
Staten Island Mall Greenmarket	2.39	Snug Harbor Cultural Center & Botanical Garden, Staten Island Compost Facility
Staten Island Urban Center	0.04	Snug Harbor Cultural Center & Botanical Garden, Staten Island Compost Facility
Success Community Garden	0.29	Salt Lot Community Compost Site
Sure We Can	1.55	Salt Lot Community Compost Site
Target Bronx Community Garden	0.17	Queensbridge Park Compost Site (Big Reuse)
The Compost Collective	3.99	Queensbridge Park Compost Site (Big Reuse)
The Connected Chef	7.17	Queensbridge Park Compost Site (Big Reuse)
Tompkins Square Greenmarket	20.97	Queensbridge Park Compost Site (Big Reuse), Staten Island Compost Facility
Transmitter Park	3.48	Queensbridge Park Compost Site (Big Reuse), Salt Lot Community Compost Site
UCC Youth Farm	4.03	Salt Lot Community Compost Site
Union Square Greenmarket drop off site	72.54	Compost Learning Center, Queensbridge Park Compost Site (Big Reuse), Staten Island Compost Facility
Vinegar Hill Community Garden	1.95	Salt Lot Community Compost Site
Walt L Shamel Community Garden	2.40	Salt Lot Community Compost Site
Woodside Sunnyside Composting	2.97	Queensbridge Park Compost Site (Big Reuse)

## Organics Collected by DSNY “Smart Bins”

To complement the curbside organics program, the Department has deployed Smart Composting Bins (Smart Bins) -- compost drop-off bins that residents can unlock anytime with an access application, across dozens of neighborhoods. There are approximately 400 Smart Bins across the City.

Organic waste in Smart Bins is mostly co-collected with school organics in the same trucks. Thus, organic waste tonnage collected from Smart Bins cannot be individually measured.

In FY24, 154,355 unique users accessed Smart Bins to take advantage of this easy-to-use way to compost. These bins were unlocked 1,215,618 times, showing significant demand for the program.

## DSNY Disposal and Processing Capacity

Municipal solid waste in NYC is managed by a variety of facilities and typically involves multiple stops along a journey. DSNY collects residential, agency and institutional waste; commercial waste is collected by the private sector and shares some of the infrastructure and capacity discussed in this report. Most refuse collected by DSNY arrives at a transfer station prior to final disposition. The exception to this is refuse that is brought directly to waste-to-energy facilities. Recyclable materials and organics are brought directly to a sorting or processing site by DSNY. Below is the capacity of each transfer station, waste-to-energy facility, recyclable processor, and organics processor to which DSNY delivers material.

### Waste Transfer Stations

Transfer facilities, also called transfer stations, receive, and consolidate refuse collected by DSNY. After being consolidated at a transfer facility, the material is transported to another facility for processing or disposition. Transfer facilities may be publicly or privately owned.

DSNY utilizes the City owned marine transfer station (MTS) network and contracts with private transfer stations to manage DSNY-collected refuse. The transfer stations used for DSNY-collected refuse are shown in the table below. The Waste Management transfer stations listed are currently under the Long-Term Export Program with the City. DSNY also has interim contracts with private transfer stations that are contracted to transfer DSNY-collected refuse as needed.

### DSNY Permitted or Contracted Transfer Station Throughput

Facility	DSNY Permitted or Contracted Throughput (Tons per Day)	Total DSNY Cost FY23	Average Cost per Ton FY23
Hamilton Marine Transfer Station and Southwest Marine Transfer Station*	5,778	\$126,229,429.24	\$184.13
North Shore Marine Transfer Station and 91st St. Marine Transfer Station*	5,532	\$117,283,747.16	\$183.38
Staten Island Transfer Station	1,950	\$29,515,801.07	\$142.35
Covanta Essex	2,277	\$38,077,201.69	\$105.96
Private Transfer Station Network (Long Term and Interim), 8 Facilities	14,895	\$162,762,533.35	\$128.14
Private Transfer Stations	DSNY Permitted or Contracted Throughput (Tons per Day)	Total DSNY Cost FY23	Average Cost per Ton FY23
Waste Management (Harlem River Yard) Transfer Station	4,000	\$71,621,742.46	\$120.54
Waste Management (Varick Avenue) Transfer Station	4,250	\$41,879,407.10	\$129.76
Waste Management (Review Avenue) Transfer Station	2,100	\$41,228,167.23	\$142.75
Tully Environmental Transfer Station	1,395	\$6,262,775.04	\$124.87
American Management Transfer Station	1,395	\$1,170,893.74	\$126.03
Royal Waste/Regal Recycling Transfer Station	462	\$532,544.96	\$125.18
Interstate Waste Services (Jersey City, NJ) - Non-Putrescible	55	\$53,264.68	\$79.27
Zewel Transfer Station - Non-Putrescible	738	\$13,738.14	\$98.80

## Material Recovery Facilities (MRFs)

All MRFs in NYC are privately owned. DSNY has contracts with Balcones Recycling to receive and sort metal, glass, and plastic and bulk metal and an agreement with Pratt Paper on Staten Island for paper and cardboard. Some of the paper collected by DSNY is transferred to Pratt via Balcones.

### NYC Materials Recovery Facilities (2023 Capacity)

MRF	Borough	Recyclable Material	Processing Capacity or Average Annual Tons
SIMS Municipal Recycling	BK, QN, BX	Commingled Metal, Glass & Plastic	297,600
SIMS Municipal Recycling	Jersey City, NJ	Commingled Metal, Glass & Plastic	90,000
Sims Metal Management	BX, QN, NJ	Bulk Metal (from City Operations)	120,000
SIMS Municipal Recycling	BK, QN, BX	Paper	180,000
Pratt Paper Mill	SI	Paper	450,000

## Organics Transfer and Processing Facilities

The current system for the receipt, transfer, and processing of organics collected by DSNY is summarized in the table and notes below. DSNY is in the process of expanding the Staten Island Compost Facility capacity as a result of capital investments to upgrade the processing technology to an aerated static pile system.

### DSNY-Collected or Managed Organics Waste Capacity and Recovery - 2023

Facility Name	Capacity (TPD)	Technology	CY23 Tons Received	CY23 Recovery Rate	Final Destination (s)
<b>DSNY's Staten Island Compost Facility</b>	5 / 115	Tiger depacking Pre-processing & Aerated Static Pile Composting	2,970	N/A	On-site
<b>DSNY's Rikers Island Compost Facility</b>	N/A	In-vessel composting for organics generated on the island	2,153	N/A	On-site
<b>DSNY's Soundview Park Compost Facility</b>	166	Windrow composting of leaf and yard waste	416	N/A	On-site
<b>Waste Management of NY – Varick Avenue</b>	500	Pre-processing of food scraps into a slurry; seasonal transfer of leaf and yard waste for mulching or composting	26,439.15	80.61%	NYCDEP's Newtown Creek WRRF, anaerobic digester; Reliable Wood Recycling
<b>American Recycling Management</b>	100	Pre-processing of food scraps into a slurry; seasonal transfer of leaf and yard waste for mulching or composting	11,150.44	55.18%	Pine Island Farm AD; Long Island Compost

**Comments:** Only DSNY or other City Agency tonnage (no private landscapers)

**Notes:** TPD – tons per day; WRRF – wastewater resource recovery facility; SICF – Staten Island Compost Facility. Recovery rates unavailable for DSNY facilities

*SICF currently has a maximum weekly capacity of 30 tons per week and operates 6 days a week. Based on this, the daily capacity is calculated as 5 tons per day; a permit expansion to 600 tons per week was approved in February 2024*

## Recommendations to Achieve Zero Waste in the Future

Waste management is responsible for emitting over 1.9 million tons of greenhouse gas emissions every year, equivalent to the emissions from nearly 500,000 passenger cars annually. This poses great opportunity and equally large challenges when it comes to waste diversion. While achieving “Zero Waste” by 2030 is a very ambitious goal and it is likely not attainable, by focusing on individual waste streams, it is possible to create a waste management plan that is both practical and achievable. As seen throughout this report, DSNY provides New Yorkers with programs to divert up to 75% of their waste. DSNY currently provides citywide curbside recycling collection of metal, glass, plastic, and paper – as well as curbside organics collection in Queens in Brooklyn. Starting this fall, DSNY will be providing curbside collection of food scraps and yard waste to every household in the City. In addition to these curbside collection programs, DSNY provides free collection of electronics and textiles from apartment buildings in the City. DSNY also provides residents with opportunities to safely dispose of their harmful household products at drop-off sites and events in every borough.

In addition to programs, policy is an important tool for driving future changes in the waste stream. We must take steps to reduce waste at the source, including by making manufacturers, not municipalities, responsible for the products they manufacture and sell. Extended Producer Responsibility (EPR) programs are an important tool in our toolkit. Thus far, the State EPR program for electronic waste has funded electronics collection programs across the state and diverted millions of pounds of valuable – and hazardous – materials. The implementation of the State’s Post-Consumer Paint Collection Program has reimbursed the City a quarter of a million dollars to date and diverted almost a million gallons of paint statewide. DSNY looks forward to similar outcomes from the upcoming implementation of the Carpet Collection Program Law.

DSNY supports a number of State and Local policies to help reduce waste including EPR for packaging and paper products. Packaging makes up approximately 30% of New York City’s waste stream. Targeting this large portion of the waste stream for producer responsibility would have significant downstream impacts on recycling and diversion rates. EPR not only incentivizes producers to design for recyclability, but also acts as a source of steadfast funding for recycling programs, outreach, and infrastructure. This is a significant source of potential funding that would act as a source of resilience and ensure recycling programs remain steady in the face of financial uncertainty.

In addition to packaging EPR, DSNY also supports EPR and retailer take-back requirements for additional items such as e-mobility batteries.

## Agency Recycling Plans

These plans are due October 15<sup>th</sup>, and were not available at the time of publication.

## Chancellor’s Report

The Chancellor’s report was not available at the time of publication.