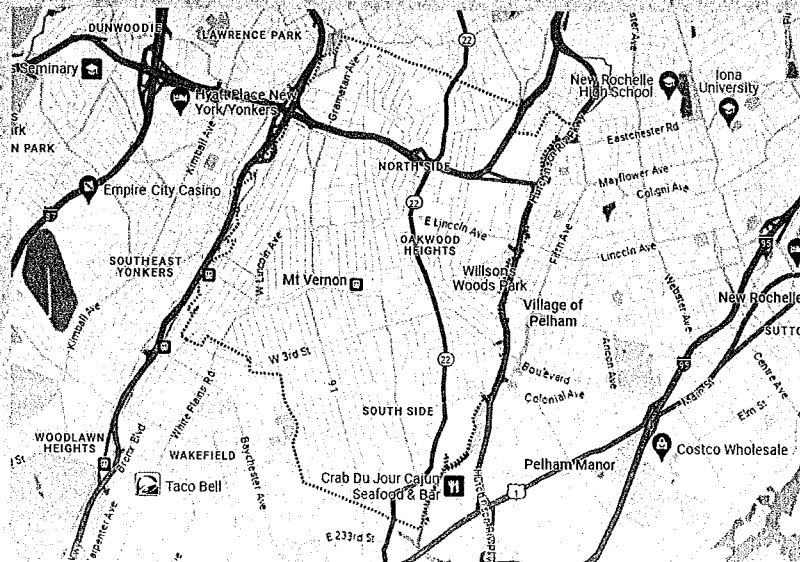


City of Mount Vernon
Department of Public Works
Refuse Sustainability Fee Study



June 2024



**D&B ENGINEERS
AND ARCHITECTS**

**CITY OF MOUNT VERNON DEPARTMENT OF PUBLIC WORKS
REFUSE SUSTAINABILITY FEE STUDY**

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1.0 BACKGROUND

1.1 City of Mount Vernon Municipal Solid Waste and Recyclables Collection System

The City of Mount Vernon Department of Public Works collects, transports and disposes of municipal solid waste(MSW) and recyclables from all real properties located in the City, including residential and commercial properties. The MSW and recyclables are brought to Westchester County's solid waste and recycling facilities for processing/disposal.

Mount Vernon had an estimated population of 71,714 people on July 1, 2022 and an estimated 28,778 households based on U.S. Census data and a total area of approximately 4.39 square miles. See **Appendix A**.

MSW is collected twice per week, generally on a Monday/Thursday or Tuesday/Friday schedule.

Recyclables are collected weekly on an alternating basis with commingled containers picked up one week and mixed paper picked up the following week. See **Appendix B** for pick-up schedules, rules and regulations, and sanitation routes.

Historically, there was no dedicated fund for providing these essential services and they were paid for out of the general annual budget from taxes based on a property's assessed value. This resulted in significant shortfalls of funds to pay for maintenance and replacement of sanitation vehicles, tools, equipment and sanitation related initiatives needed to make the City cleaner and safer for all residents, business owners and visitors.

To fund the cost of providing these services a Refuse Sustainability Fee(RSF) was established in 2022 based on a flat fee per single family dwelling unit and the funds raised from the RSF are dedicated to supporting the Refuse and Recyclables Collection Program.

2.0 MOUNT VERNON'S MSW AND RECYCLABLES COLLECTION PROGRAM

2.1 Present MSW and Recyclables Collection Practices and Statistical Data

MSW, including bulk items, is collected twice per week, generally on a Monday/Thursday or Tuesday/Friday schedule, utilizing eight sanitation routes with three person crews per route utilizing eight 2022 rear load packer trucks. The number of stops per route range from a low of 364 stops to a high of 969 stops per day. The total number of stops per week is 22,326 for an average of 698 stops per day per crew. See **Appendix C**. This average is consistent with industry standards.

Appended to this report are copies of several references utilized for comparing Mount Vernon's statistical data to state and national data. See Benchmarking References document appended to this report.

Recyclables are collected weekly on an alternating basis with commingled containers picked up one week and mixed paper picked up the following week.

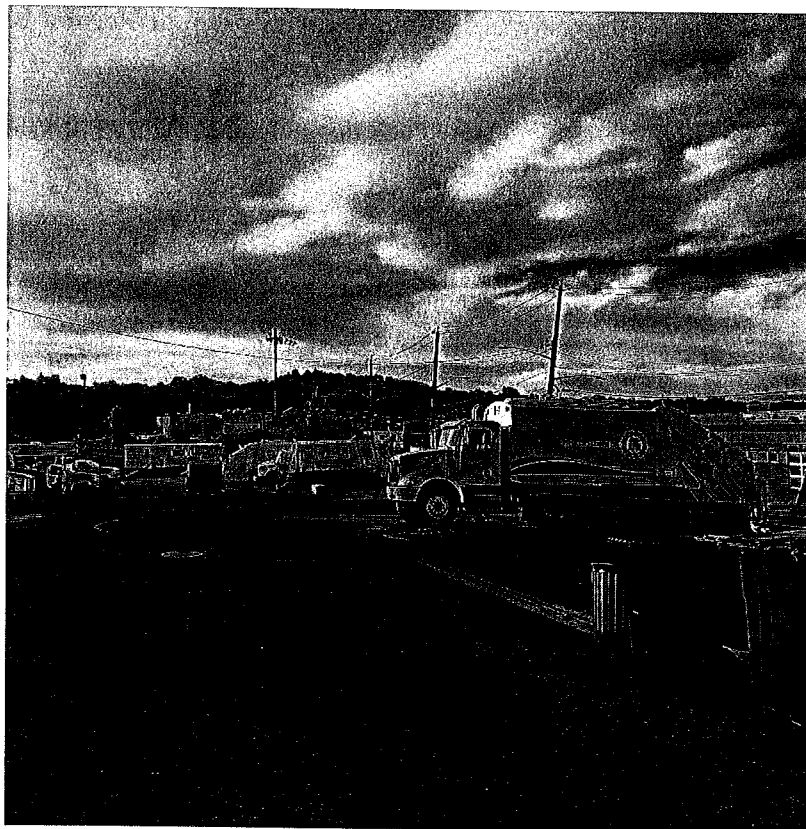
In addition, yard waste is picked up weekly, from April 1 through December, and appliances and electronics are picked up by appointment.

In 2022 a total of 30,472 tons of MSW was collected and transported to the Mount Vernon Transfer Station by the Mount Vernon DPW via a total of 4243 loads at an average of 7.2 tons per load. Based on 22,326 stops per week the average pounds per stop was 52.5 pounds of garbage per stop in 2022. For comparison purposes, in a prior study for the City of New Rochelle performed by D&B, the average pounds per stop was 59.0 pounds in 2013.

In 2022 a total of 3407 tons of commingled containers and mixed paper were collected by the Mount Vernon DPW from its residents. As per the US Census the estimated population of Mount Vernon in July 2022 was 71,714. Utilizing that population and the 3407 tons of recyclables equates to 95 pounds of recyclables per person per year or 0.26 lbs. per person per day. For

2.2 MSW Collection Vehicles

Currently MSW is collected in eight 2022 rear load packer trucks. These trucks were purchased with grants replacing an aging and worn-out fleet of collection vehicles. It is critical to the efficient and effective operation of the MSW collection program that these vehicles are maintained in accordance with the manufacturer's recommendations throughout their design useful life and replaced when they reach their design useful life.

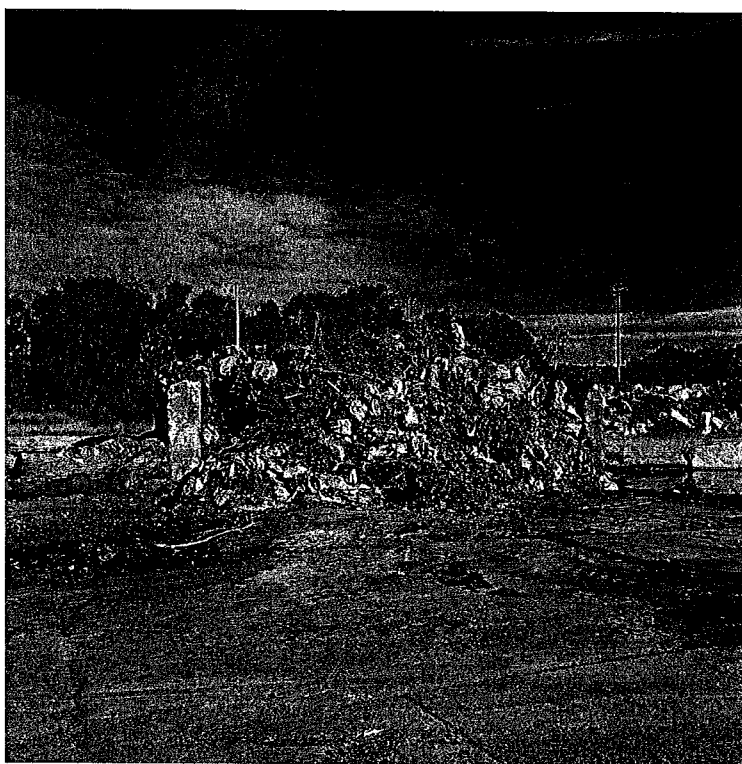


2022 MSW Collection Vehicle

Since the cost to replace the MSW collection vehicles is significant, it is recommended that a multiyear capital replacement plan be developed and implemented to ensure that this fleet of vehicles is maintained in the state of readiness necessary to ensure the efficient and effective collection of the MSW for the City in a safe manner.

Numerous DPW functions are being performed at the DPW Yard including the following:

1. Storing, maintaining and repairing the various fleets of DPW vehicles and equipment;
2. Road salt storage;
3. Yardwaste, street sweepings and commingled container storage;



Yardwaste Storage

6. Review the various functions being performed at the DPW Yard and develop a master plan to improve the overall efficiency and effectiveness of the use of the site.

3.2 Comparison of the RSF System Approach to a Tax System Approach for Typical Property Owners for Funding Mount Vernon's Sanitation Services

A comparison of the RSF methodology versus use of property taxes to fund these necessary services was performed to assess the financial impact on typical properties.

The median assessed values of one, two and three family homes were utilized to calculate what the amount of additional property taxes that would need to be paid that would be equivalent to the amount raised by the RSF. The median assessed values utilized for this comparison were provided by the City.

This comparison shows that the RSF methodology resulted in a lower cost for the median one and two family homes versus the use of property taxes to raise an equivalent amount of money. See **Appendix G** detailing the comparison.

3.3 Comparison of Mount Vernon's RSF to Other Municipal RSFs and Costs for Similar Services in Other Municipalities

A comparison of Mount Vernon's RSF to other municipal RSFs and to the costs of providing these services in other municipalities by both municipal and private collection programs was prepared.

This comparison showed that the current RSF of \$200.00 per unit per year is lower than the costs for these services in other municipalities such as New Rochelle where they have a similar program and their RSF is \$276.00 per unit per year and several municipalities in Rockland County where the cost of these services with either municipal service or private service or a combination of the two range from a low of \$295 per year with a lower level of service to over \$630 per year for the same level of service as provided in Mount Vernon for a single family home. See **Appendix H** with the summary of these costs.

A capital replacement plan should be developed for the sanitation collection vehicles to provide for the timely replacement of these vehicles when they reach their design useful life in order to ensure that a safe, effective and efficient fleet is available for providing these essential services.

A concerted effort should be made to increase the curbside recycling rate, which is below the County average. Increasing the recycling rate will reduce the tipping fees the City has to pay for disposal of MSW at the Transfer Station and the amount of waste that has to be transported to disposal, reduce the average pounds per stop the sanitation crews have to load into the sanitation collection vehicles and increase the beneficial reuse of these resources.

QuickFacts

Mount Vernon city, New York

QuickFacts provides statistics for all states and counties. Also for cities and towns with a *population of 5,000 or more*.

PEOPLE

Population

Population estimates, July 1, 2023, (V2023)	△ NA
Population Estimates, July 1, 2022, (V2022)	△ 71,714
Population estimates base, April 1, 2020, (V2023)	△ NA
Population estimates base, April 1, 2020, (V2022)	△ 73,905
Population, percent change - April 1, 2020 (estimates base) to July 1, 2023, (V2023)	△ NA
Population, percent change - April 1, 2020 (estimates base) to July 1, 2022, (V2022)	△ -3.0%
Population, Census, April 1, 2020	73,893
Population, Census, April 1, 2010	67,292

Age and Sex

Persons under 5 years, percent	△ 4.9%
Persons under 18 years, percent	△ 19.3%
Persons 65 years and over, percent	△ 17.0%
Female persons, percent	△ 55.4%

Race and Hispanic Origin

White alone, percent	△ 17.5%
Black or African American alone, percent (a)	△ 62.4%
American Indian and Alaska Native alone, percent (a)	△ 0.6%
Asian alone, percent (a)	△ 1.9%
Native Hawaiian and Other Pacific Islander alone, percent (a)	△ 0.0%
Two or More Races, percent	△ 7.3%
Hispanic or Latino, percent (b)	△ 17.2%
White alone, not Hispanic or Latino, percent	△ 15.6%

Population Characteristics

Veterans, 2018-2022	1,596
Foreign born persons, percent, 2018-2022	32.5%

Housing

Housing units, July 1, 2022, (V2022)	X
Owner-occupied housing unit rate, 2018-2022	39.8%
Median value of owner-occupied housing units, 2018-2022	\$446,400
Median selected monthly owner costs -with a mortgage, 2018-2022	\$3,324
Median selected monthly owner costs -without a mortgage, 2018-2022	\$1,388
Median gross rent, 2018-2022	\$1,461
Building permits, 2022	X

Families & Living Arrangements

Households, 2018-2022	28,778
Persons per household, 2018-2022	2.50
Living in same house 1 year ago, percent of persons age 1 year+, 2018-2022	91.9%
Language other than English spoken at home, percent of persons age 5 years+, 2018-2022	25.2%

Computer and Internet Use

Households with a computer, percent, 2018-2022	91.6%
Households with a broadband Internet subscription, percent, 2018-2022	77.9%

Education

High school graduate or higher, percent of persons age 25 years+, 2018-2022	84.4%
Bachelor's degree or higher, percent of persons age 25 years+, 2018-2022	34.1%

Health

With a disability, under age 65 years, percent, 2018-2022	9.3%
Persons without health insurance, under age 65 years, percent	△ 7.7%

About datasets used in this table

Value Notes

Population estimates, July 1, 2023, (V2023)



Methodology differences may exist between data sources, and so estimates from different sources are not comparable.

Some estimates presented here come from sample data, and thus have sampling errors that may render some apparent differences between geographies statistically indistinguishable. Click the Quick Info icon to the left of each row in TAI learn about sampling error.

The vintage year (e.g., V2023) refers to the final year of the series (2020 thru 2023). Different vintage years of estimates are not comparable.

Users should exercise caution when comparing 2018-2022 ACS 5-year estimates to other ACS estimates. For more information, please visit the [2022 5-year ACS Comparison Guidance](#) page.

Fact Notes

- (a) Includes persons reporting only one race
- (c) Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data
- (b) Hispanics may be of any race, so also are included in applicable race categories

Value Flags

- Either no or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest or upper interval of an open end
- F Fewer than 25 firms
- D Suppressed to avoid disclosure of confidential information
- N Data for this geographic area cannot be displayed because the number of sample cases is too small.
- FN Footnote on this item in place of data
- X Not applicable
- S Suppressed; does not meet publication standards
- NA Not available
- Z Value greater than zero but less than half unit of measure shown

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and Poverty Estimates, State Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits.



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CITY OF MOUNT VERNON SANITATION PICK-UP SCHEDULE

2023 NORTH SIDE TUESDAY & FRIDAY

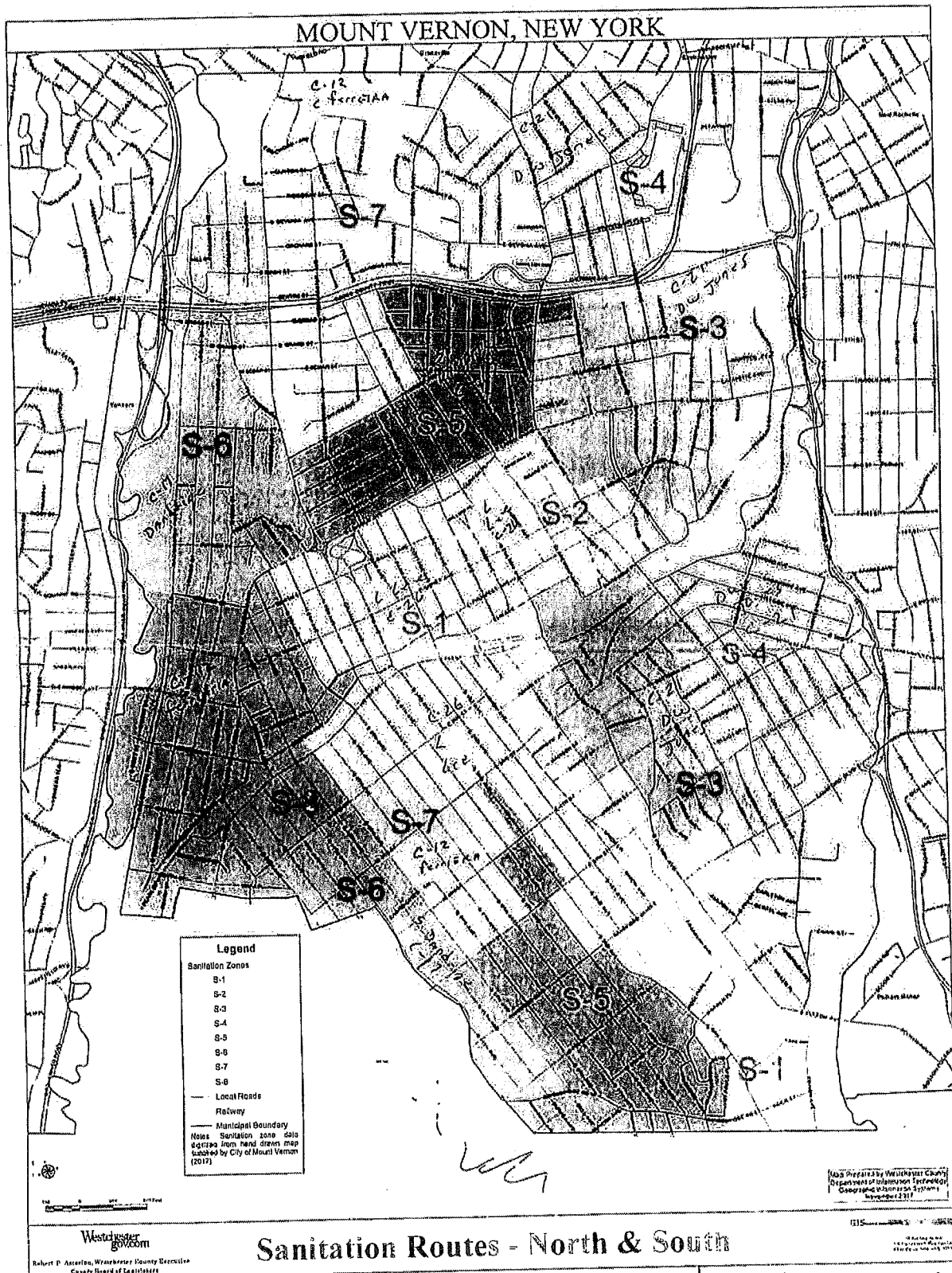


JANUARY 2023							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	H	3	G	P	GR	7	5			7	2	GR	4	9			9	2	GR	4
8			G	C	GR	14	12			G	C	GR	11	17			G	C	GR	11
15	H	17		P	GR	21	19			P	GR	18	24			P	GR	18	25	
22			G	C	GR	28	20			G	C	GR	25	27			G	C	GR	25
29	30	31	G				26	27	28	G				28	29	30	G			

APRIL							MAY							JUNE							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1	7			2	G		4	GR	6	4			5	GR	8
2	Y	L	C			8	14			3	G		11	GR	13	11			6	GR	10
9	Y	Y	P			15	21			10	G		18	GR	20	18			13	GR	17
16	Y	G	C			22	28			17	G		24	GR	27	25			20	GR	24
23	Y	G	P			29	30			24	G		31	GR					27	GR	30

JULY							AUGUST							SEPTEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1	8			2	G	P	5	GR	3				4	GR	2
2	Y	H	G	P	GR	6	14			9	G	P	12	GR	10				11	GR	9
9	Y	G	C			16	23			16	G	P	19	GR	17				18	GR	16
16	Y	G	P			23	30			23	G	P	26	GR	24				25	GR	23
23	Y	G	C			30				30	G	P	31	GR					30	GR	28

OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
1	Y	O	C			7	5			2	GR	4		3					2	GR	1
8	H	Y	C	P	GR	14	12			9	GR	11	H	10					9	GR	8
15	Y	G	C			21	19			16	GR	18		17					16	GR	15
22	Y	G	P			28	26			23	H	GR	25	24					23	GR	22
29	Y	G	C				27			30				31					30	GR	29



C.26- S-1 | S-2 (L. Lee) C.17 S-5 | S-6 (S. Dandridge)

C.21 S-3 | S-4 (D. Jones) C.12 S-7 | S-8 (C. Ferreira)



CITY OF MOUNT VERNON, NEW YORK
DEPARTMENT of PUBLIC WORKS

SHAWYN PATTERSON-HOWARD
Mayor

City Hall
One Roosevelt Square – Room 108
Mount Vernon, NY, 10550
(914) 665-2300 – Fax: (914) 665-2476

DAMANI L. BUSH
Commissioner
ROBERT L. HACKETT
Deputy Commissioner

Sanitation Routes and Stops Per Route

S1

North = 404

South = 846

S2

North / South = 890

S3

North = 884

South = 969

S4

North = 751

South = 932

S5

North = 723

South = 887

S6

North = 716

South = 812

S7

North = 721

South = 364

S8

North / South = 1,264

Material Usage

Page 97 of 97

From Material: 101 | Municipal Solid Waste -
To Material: 101 | Municipal Solid Waste -

From: 01/01/2022
To: 12/31/2022

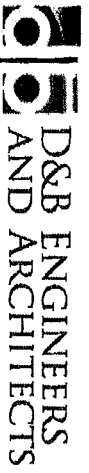
Print Date: 7/20/2023
Print Time: 11:33 AM

Truck ID	Ticket		Material--(tn)-----	Revenue				
	Date	Number		Net	Mat'l	Tax	Other	Total
M68097	AK-2137	12/29/22	30159423	8.920 tn	\$293.56		\$0.00	\$293.56
BE9777	BE9777-NY	12/29/22	30159424	9.170 tn	\$301.78		\$0.00	\$301.78
BE8769	BE8769 NY	12/29/22	30159427	9.120 tn	\$300.14		\$0.00	\$300.14
BE9739	BE9739-NY	12/29/22	30159434	8.830 tn	\$290.60		\$0.00	\$290.60
BE8763	BE8763 NY	12/29/22	30159437	9.640 tn	\$317.25		\$0.00	\$317.25
AL1900	AL1900-NY	12/29/22	30159439	0.810 tn	\$26.66		\$0.00	\$26.66
BE9739	BE9739-NY	12/29/22	30159445	1.680 tn	\$55.29		\$0.00	\$55.29
M68097	AK-2137	12/29/22	30159451	3.490 tn	\$114.86		\$0.00	\$114.86
BE9741	BE9741-NY	12/29/22	30159454	3.530 tn	\$116.17		\$0.00	\$116.17
BE9776	BE9776-NY	12/29/22	30159458	3.420 tn	\$112.55		\$0.00	\$112.55
BE8769	BE8769 NY	12/29/22	30159459	2.910 tn	\$95.77		\$0.00	\$95.77
BE8763	BE8763 NY	12/29/22	30159464	3.030 tn	\$99.72		\$0.00	\$99.72
BE9772	BE9772-NY	12/29/22	30159468	9.160 tn	\$301.46		\$0.00	\$301.46
AL1820	AL1820-NY	12/30/22	30159505	9.540 tn	\$313.96		\$0.00	\$313.96
BE8769	BE8769 NY	12/30/22	30159511	8.490 tn	\$279.41		\$0.00	\$279.41
BE8763	BE8763 NY	12/30/22	30159520	7.840 tn	\$258.01		\$0.00	\$258.01
BE9741	BE9741-NY	12/30/22	30159521	9.240 tn	\$304.09		\$0.00	\$304.09
BE9776	BE9776-NY	12/30/22	30159524	8.910 tn	\$293.23		\$0.00	\$293.23
BE9777	BE9777-NY	12/30/22	30159525	9.050 tn	\$297.84		\$0.00	\$297.84
BE9772	BE9772-NY	12/30/22	30159527	11.260 tn	\$370.57		\$0.00	\$370.57
AL1900	AL1900-NY	12/30/22	30159528	6.250 tn	\$205.69		\$0.00	\$205.69
BE9739	BE9739-NY	12/30/22	30159530	6.600 tn	\$217.21		\$0.00	\$217.21
BE9776	BE9776-NY	12/30/22	30159543	3.460 tn	\$113.87		\$0.00	\$113.87
MT. VERNON CITY Totals				30,471.920 tn	\$955,327.42		\$0.00	\$955,327.42
Tickets: 4,243								
Municipal Solid Waste - (Garbage) Totals				30,471.920 tn	\$955,327.42		\$0.00	\$955,327.42
Tickets: 4,243								
Incoming Totals				30,471.920 tn	\$955,327.42		\$0.00	\$955,327.42
Tickets: 4,243								

[illegible]

S10/M68090			S11/AL1820			S12/L88108		
Date	Truck ID	Tonnage	Date	Truck ID	Tonnage	Date	Truck ID	Tonnage
12/1/2022	68090	11.8	12/1/2022	1820	5.72	12/1/2022	88108	5.75
12/1/2022	68090	5.25	12/2/2022	1820	3.23	12/1/2022	88108	5.73
12/5/2022	68090	5.47	12/5/2022	1820	3.20	12/2/2022	88108	4.05
12/6/2022	68090	6.60	12/9/2022	1820	5.11	12/2/2022	88108	5.88
12/7/2022	68090	3.38	12/12/2022	1820	5.67	12/2/2022	88108	5.09
12/8/2022	68090	5.78	12/16/2022	1820	2.09	12/2/2022	88108	6.26
12/12/2022	68090	0.39	12/16/2022	1820	2.44	12/5/2022	88108	4.48
12/15/2022	68090	5.43	12/30/2022	1820	9.54	12/5/2022	88108	5.91
12/19/2022	68090	0.30				12/5/2022	88108	5.26
12/27/2022	68090	5.62				12/5/2022	88108	5.04
12/28/2022	68090	2.59				12/8/2022	88108	6.36
						12/8/2022	88108	6.87
						12/8/2022	88108	7.07
						12/8/2022	88108	6.69
						12/12/2022	88108	3.02
						12/12/2022	88108	6.90
						12/12/2022	88108	6.40
						12/12/2022	88108	6.63
						12/14/2022	88108	4.20
						12/14/2022	88108	5.66
						12/15/2022	88108	7.22
						12/15/2022	88108	5.55
						12/15/2022	88108	3.91
						12/16/2022	88108	5.95
						12/16/2022	88108	7.07
						12/16/2022	88108	6.37
						12/16/2022	88108	5.59
						12/19/2022	88108	5.68
						12/19/2022	88108	2.23
						12/19/2022	88108	5.03
						12/19/2022	88108	4.75
						12/20/2022	88108	4.85
						12/22/2022	88108	4.79
						12/22/2022	88108	4.25
						12/22/2022	88108	4.60
						12/22/2022	88108	4.19
						12/23/2022	88108	6.41
		52.61			37			201.69

[illegible]



Comparisons of Mt. Vernon and New Rochelle

	Mt Vernon	New Rochelle
Population *	71,714 (2022)	82,288 (2022)
2024 Adopted Refuse Collection and Disposal Budget	\$5,266,205 (\$925,000 dumping costs)	\$8,331,515 (\$1,300,000 dumping costs)
Residential Refuse Fee 2024	1 – Family \$200.00 2 – Family \$400.00 3 – Family \$600.00	\$276.00 \$552.00 \$828.00
No. of Refuse Collection Employees (2024)	52	53
Disposed Waste (2022) **	30,472 tpy	28,741 tpy
Recycled Waste (2022)	14,908 tpy (32.9%)	42,299***
Total Waste	45,380 tpy total solid waste generated (recycled and disposed)	
Lbs. per person per day	2.33 lbs./p/d - disposed waste 1.14 lbs./p/d - recycled waste**** 0.26 lbs./p/d – commingled containers and mixed paper	1.91 lbs./p/d – disposed waste

*US Census

**Westchester County Annual Report

***Includes Estimated Organics Recycled

****Includes 3407 Tons of Commingled Containers and Mixed Paper

APPENDIX D

WESTCHESTER COUNTY 2022 ANNUAL REPORT DIVISION FOR SOLID WASTE MANAGEMENT RECYCLING OFFICE

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2022 ANNUAL REPORT

WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES DIVISION OF SOLID WASTE MANAGEMENT and RECYCLING OFFICE

Executive Summary

DEF/Recycling & Solid Waste Facilities

1. Material Recovery Facility (MRF)
2. Charles Point Waste-to-Energy Facility
3. County Transfer Stations
4. Household-Material Recovery Facility (H-MRF)

Recycling Programs

5. Recycling Education
6. Medication Take-Back Program
7. Mobile Shredder Program
8. Boat Wrap Recycling Program
9. Westchester County's Recycling HelpLine
10. Electronic Waste Recycling Program
11. Organic Yard Waste Transfer Station IMA Program
12. Recycling Enforcement
13. Household Recycling Days

Growing Initiatives

14. Residential Food Scrap Transportation and Disposal Program (RFSTAD)
15. CompostED Facility
16. Expanded Textile Recycling Program

Refuse Disposal District #1

17. Refuse Disposal District Advisory Board

Attachments

18. 2022 Westchester County Recycling Rate
19. 2022 Municipally Collected Waste & Recyclables

DEF/Recycling & Solid Waste Facilities

1. Material Recovery Facility (MRF):

The MRF, located in Yonkers, serves as the primary recycling facility for the municipalities in the RDD. The items delivered and processed at the MRF and then sold to recyclers include: aluminum (cans and foil), ferrous metals, food and beverage cartons (gable top and shelf-stable aseptic), plastics (coded 1–7), plastic boat wrap, newspaper, corrugated cardboard, and assorted paper, including office paper and paper collected by the County's two Mobile Shredders. In 2022, the MRF processed 66,953 tons of recyclables.

2. Charles Point Waste-to-Energy Facility:

Operated by Wheelabrator Technologies, the Charles Point Waste-to-Energy Facility, located in the City of Peekskill, processes up to 2,250 tons of household and commercial waste per day. Refuse collected from Westchester municipalities and commercial customers is delivered to this fully enclosed facility, where it is transferred to utility-type boilers that recover thermal energy in the form of high-pressure steam. The steam-powered turbines generate 63 MW of electricity an hour—enough to power over 30,000 homes. Additional steam not required for electricity generation is marketed to a nearby commercial customer, White Plains Linen, for use as a clean, reliable, and renewable energy source.

In 2022, the facility processed 655,824 tons of solid waste to generate electricity, while 8,822 tons of ferrous metal were extracted from the ash residue and properly recycled.

In 2022, 359,053 tons of waste generated by RDD municipalities were delivered to the facility and 2,002 tons were delivered by Non-RDD municipalities.

3. County Transfer Stations:

Three County Transfer Stations located in White Plains, Mount Vernon, and Yonkers offer RDD municipalities reduced costs for delivering the solid waste they collect by significantly reducing their travel time. The County provides transport of the waste from the transfer stations to the Charles Point Facility in Peekskill. In 2022, RDD municipalities in the northern part of the County delivered 74,379 tons of solid waste directly to Charles Point, while District municipalities in the southern part of the County delivered 277,960 tons of solid waste to these three transfer stations.

4. Household-Material Recovery Facility (H-MRF):

The H-MRF, located on the County's Grasslands Campus in Valhalla, opened in April 2012 to provide a geographically centralized location for residents to dispose of hard-to-get-rid-of household wastes, including hazardous chemicals, cleaning products, tires, rechargeable batteries, Freon-containing appliances, electronic waste, propane tanks, expired or unwanted medications and textiles. The H-MRF also offers confidential document shredding services. RDD residents are able to use the facility at no cost, while Westchester County residents that do not reside within the RDD are required to pay a small fee based on the type and amount of materials they deliver.

RECYCLING PROGRAMS

5. Recycling Education:

Typically, the MRF Education and Conference Center allows visitors to observe the operation of a municipal solid waste and recyclables transfer station. Due to the ongoing pandemic tours were suspended for most of 2022, but resumed in October. In total, 12 tours were given in 2022. MRF tours are free of charge and provide participants an opportunity to learn about the management of solid waste and recyclables in Westchester. Tours allow participants to see the equipment that separates, sorts, and prepares materials for sale to third party recyclers. From an observation tower, visitors can see the tipping floor, where truckloads of recyclables are delivered. Tours are offered to students and persons of all age groups (kindergarten and above) and typically lasted an hour.

Continued recycling education occurs daily as DEF staff regularly answer questions from the public via email and social media. These interactions provide an opportunity to share educational resources with County residents. Staff attending the six Household Recycling Days in 2022 also passed out educational recycling flyers, including the Recycle Right pamphlets and information about the H-MRF in Valhalla.

6. Medication Take-Back Program:

Residents are able to drop off unwanted or expired medications at the H-MRF on the first Tuesday of every month. Following the close of business, Westchester County Department of Public Safety personnel supervise transportation of the collected medications to the Waste-to-Energy Facility in Peekskill for destruction.

A total of 169 households delivered 1,130 lbs. of medications directly to the H-MRF. In addition, 38 Westchester County Police Departments participated in the Medication Take-Back Program by hosting MedReturn Units at their stations. These MedReturn Units allow residents to drop off unwanted medications confidentially and conveniently, 24/7. The Police Departments deliver the collected medications to the H-MRF. In 2022, 5,583 lbs. of medications were collected by Police Departments and brought to the H-MRF on the first Tuesday of each month. In total, Westchester County collected 6,713 lbs. of medications at the H-MRF. An additional 3,660 lbs. of medications were collected across six HRD events and contributed to a total of 9,243 lbs. of medication waste disposed of in 2022.

7. Mobile Shredder Program:

In 2022, DEF continued to operate two Mobile Shredders, conducting shredding events at various locations throughout the County. Residents are permitted to bring up to four file-size boxes of personal papers to these events to be shredded and recycled. In 2022, over 11,588 households utilized the Mobile Shredder and over 203 tons of paper were shredded and sold to recyclers. The Mobile Shredders were also available to residents that attended one of the County's six different Household Recycling Day (HRD) events in 2022. Across the six events, 1,275 residents delivered over 23 tons of paper for shredding.

8. Boat Wrap Recycling Program:

12. Recycling Enforcement:

In 2022, DEF inspectors continued to inspect loads tipped at both private and municipal transfer stations located within Westchester, looking for improperly mixed loads of garbage and recyclables in violation of the Source Separation Law (SSL). They also continued to inspect businesses, schools, multi-tenant facilities, and other institutions throughout the County to ensure compliance with the SSL.

In 2022, DEF issued 54 Notices of Hearing to haulers and waste generators for recycling violations. Of the violations issued, 21 were issued to municipal haulers, 10 were issued to private haulers, and 23 were issued to waste generators.

13. Household Recycling Days:

In 2022, Westchester County held six Household Recycling Days (HRDs) which were tremendously popular. Events were held at Franklin D. Roosevelt State Park in Yorktown Heights, Sprain Ridge Park in Yonkers, Mount Vernon, Charles Point Resource Recovery Facility in Peekskill and at Rye Playland, attracted over 3,887 households who delivered over 193.7 tons of hazardous waste, paint, medications, electronic waste and other difficult to dispose of items for proper recycling/disposal.

Growing Initiatives

14. Residential Food Scrap Transportation and Disposal Program (RFSTAD):

In Fall 2020, the County established RFSTAD to assist municipalities seeking to start or maintain food scrap programs. The District saw the need to establish a program that would ease the financial burden for local municipalities to connect with local food scrap programs, and recognized that the transportation to and disposal of food scraps constituted the largest barrier to these programs in many communities.

Under RFSTAD, District municipalities pay a subsidized rate for the transportation and disposal of food scraps collected by the municipality either through drop-off or curbside collections. This subsidized rate makes the processing of food scraps cost neutral or provides a cost savings when compared with municipal costs to process municipal solid waste. RFSTAD also allows for the bulking of food scraps with a goal of reducing greenhouse gasses created during the transportation of the food scraps to an organics recycler.

2021 marked the first full year of the program with 19 municipalities contributing 812 tons of food scraps. Last year, 22 participating municipalities recycled 1,034 tons of food scraps.

15. CompostED

DEF broke ground on the CompostED facility in December 2020 and it officially opened on Earth Day 2021. The facility is located across from the H-MRF on the Grasslands Campus in Valhalla, and is the County's first small-scale food scrap composting demonstration and education site. The site has the capacity to process up to two tons of food scraps a week while also serving as a valuable educational resource for County residents, students, and municipal officials. Educational tours are

REFUSE DISPOSAL DISTRICT #1

16. Refuse Disposal District Advisory Board:

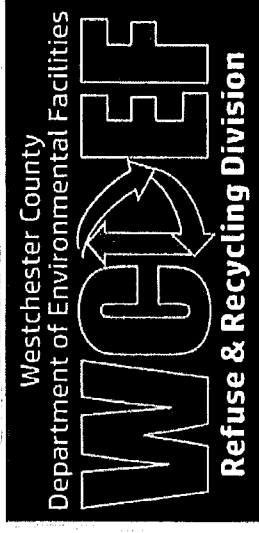
County law requires the Board to be composed of 14 volunteers and 2 ex officio members to advise the RDD on solid waste issues and policy. Six members are designated to represent the County's cities; five members are designated to represent the towns; and four to represent the villages.

The 2022 board members were:

1. Benedict Salanitro—Town of Rye - Chair
2. Thomas Meier—City of Yonkers
3. George Mottarella—City of Rye
4. Jeffrey Coleman—Village of Scarsdale
5. Peter Liguori—Town of Greenburgh
6. Peter Sciliano—Town of Mt. Pleasant
7. Stephen Altieri—Town of Mamaroneck
8. Rocco Circosta—Village of Ossining
9. Michael Gunther—Village of Hastings-on-Hudson
10. Rick Hope— City of White Plains

Attachment 2: 2022 Municipally Collected Waste & Recyclables

Municipality	Recycled Waste	Disposed Waste	Total Solid Waste Generated (Recycled + Disposed)	Percent Recycled (Total)
ARDSLEY	3,316	2,148	5,464	61%
BEDFORD	27,489	11,657	39,146	70%
BRIARCLIFF	2,881	2,828	5,709	50%
BRONXVILLE	5,005	2,104	7,109	70%
BUCHANAN	605	1,255	1,860	33%
CORTLANDT	8,158	14,125	22,283	37%
CROTON-ON-HUDSON	2,886	3,444	6,331	46%
DOBBS FERRY	2,941	4,582	7,523	39%
EASTCHESTER	10,875	8,212	19,087	57%
ELMSFORD	1,068	1,671	2,739	39%
GREENBURGH	25,835	16,085	41,920	62%
HARRISON	10,003	8,529	18,532	54%
HASTINGS-ON-HUDSON	1,775	3,313	5,088	35%
IRVINGTON	3,025	2,826	5,851	52%
LARCHMNT/M'MARNCK	8,189	7,941	16,130	51%
LEWISBORO	1,591	2,685	4,276	37%
MAMARONECK- VILLAGE	5,028	8,363	13,390	38%
MT. KISCO	33,249	4,026	37,274	89%
MT. PLEASANT	11,889	9,067	20,956	57%
MT. VERNON	14,908	30,472	45,380	33%
NEW CASTLE	4,669	6,129	10,798	43%
NEW ROCHELLE *	42,299	28,741	71,040	60%
NORTH CASTLE	13,599	4,975	18,574	73%
NORTH SALEM	1,481	1,788	3,268	45%
OSSINING - TOWN	1,406	1,965	3,370	42%
OSSINING - VILLAGE	4,459	9,314	13,773	32%
PEEKSKILL	3,050	8,457	11,507	27%
PELHAM	3,839	2,818	6,658	58%
PELHAM MANOR	6,360	2,145	8,505	75%
PLEASANTVILLE	4,450	2,209	6,658	67%
PORT CHESTER	10,044	12,767	22,811	44%
POUND RIDGE	1,526	2,055	3,582	43%
RYE BROOK	3,847	3,288	7,135	54%
RYE CITY	11,429	5,428	16,856	68%
SCARSDALE	11,362	7,080	18,442	62%
SLEEPY HOLLOW	2,033	4,277	6,311	32%
SOMERS	2,736	6,700	9,436	29%
TARRYTOWN	3,597	3,758	7,355	49%
TUCKAHOE	6,340	2,574	8,914	71%
WESTCHESTER CO. PROGRAMS	10,781	51	10,832	
WHITE PLAINS	22,219	27,445	49,663	45%
YONKERS	27,983	85,668	113,651	25%
YORKTOWN	18,950	13,412	32,362	59%
TOTALS	399,174	388,379	778,731	51%



Westchester County Municipal Report Card - 2022

Municipality	Municipal Recycling Programs								Totals		
	Curbside Commingle Containers and Mixed Paper (tons)	Organic Waste (tons)	Bulk Metal (tons)	E-Waste (tons)	Deposit Containers (tons)	C&D & Sludge (tons)	MISC. (tons)	Recycled Waste (tons)	Disposed Waste (tons)	Total Solid Waste Generated + Disposed (tons)	Percent Recycled (Total)
MT. VERNON - 2022	3,407	2,187	13	15	915	8,370		14,908	30,472	45,380	33%
MT. VERNON - 2021	3,726	2,425		19	915	6,196		13,280	33,170	46,450	29%
MT. VERNON - 2020	3,820	3,862	446	26	1,182		2	9,338	32,461	41,799	22%

Remember to follow us at <https://www.facebook.com/WestchesterCountyDEF>
for updates and additional recycling information!

APPENDIX E

MOUNT VERNON – COMPARISON OF MSW DISPOSAL RATES AND RECYCLING RATES

APPENDIX F

ADDITIONAL INFORMATION ON REFUSE SUSTAINABILITY FEE

Single Room Occupancies (SRO's/Rooms for rent) by private homeowners are prohibited in the City.

Commercial Properties who Choose to Opt out?

Any commercial properties whom choose to opt out of the refuse collection fees must submit a Refuse Sustainability Fee – Commercial Property – Opt Out Form to the DPW Commissioners Office via mail or e-mail - DPWConcerns@cmvny.com.

Additional Information

Residents may contact the City Assessors Office at: (914) 665-2325 for any disputes with classification of real property status or qualification for exemptions (ex: Enhanced Star, Disability, Low Income Senior)

All payments are to be submitted to the City of Mount Vernon Comptroller's Office in person or via web at:

Pay Property Tax | Mount Vernon, NY

Only questions regarding payment or balance of taxes and fees, should be directed to the City Comptroller at (914) 665-2442

For More Information:

City Council Ordinance

Phone Contact # (914) 665-2300

E-Mail – DPWConcerns@cmvny.com

When will it begin?

The billing has already begun with the adoption of the City's 2022 Adopted Annual Budget and is included in the City's 1st half Property Tax Bills. The bill can be paid in two installments along with the property tax schedule. For most residents the fee is equivalent to \$17 per month.

Rates for Property Owners (Co-Ops fall into this category)

- Residential Refuse Fee (per unit) - \$200.00
- Low Income Senior Residential Fee (per unit) - \$50.00 (Owners Only)
- Persons w/ Disability Fee - \$50.00
- Non-Residential Refuse Fee - \$2,000.00 (Commercial / Business)
- Non-Profit Refuse Fee - \$650.00
- Non-Profit Dormitory (Family) Refuse Fee - \$100.00 (Shelters)
- Non-Profit Dormitory (SRO) Refuse Fee - \$50.00 (YMCA or Salvation Army Housing)
- Vacant Lots / Land - \$0.00

Rates for Landlords / Renters

All rented apartments are subject to the \$200 per unit fee, regardless of age/disability/income of the lessee. Landlords may be passing this fee on to the tenants in the form of a rent increase or one-time flat fee. This is between the tenant and the landlord/property owner.

Single Room Occupancies (SRO's/Rooms for rent) by private homeowners are prohibited in the City.

Commercial Properties who Choose to Opt out?

Any commercial properties whom choose to opt out of the refuse collection fees must submit a formal letter to the DPW Commissioners Office via mail or e-mail (DPWConcerns@cmvny.com) and complete the annual **Refuse Sustainability Fee – Commercial Property – Opt Out Form**.

Additional Information

Residents may contact the City Assessors Office at: **(914) 665 – 2325** for any disputes with classification of real property status or qualification for exemptions (ex: Enhanced Star, Disability, Low Income Senior)

All payments are to be submitted to the City of Mount Vernon Comptroller's Office in person or via web at:
[Pay Property Tax | Mount Vernon, NY \(cmvny.com\)](https://www.cmny.com/pay-property-tax)

Only questions regarding payment or balance of taxes and fees, should be directed to the City Comptroller at **(914) 665 – 2442**

For More Information

City Council Ordinance - [02232022-1406 \(cmvny.com\)](#)

Phone Contact # (914) 665 – 2300

E-Mail – DPWConcerns@cmvny.com

SANITATION FEE OPT OUT
THIS PAGE IS FOR CITY USE ONLY

PUBLIC WORKS OFFICE

Property added to the NO-PICKUP LIST Date _____

Copy of Private Carting Service Agreement Received ☐

Signature: _____
Public Works Supervisor

Date _____

Signature: _____
DPW Commissioner

Date _____

***** FORWARD ALL COPIES TO THE ASSESSORS OFFICE*****

ASSESSOR'S OFFICE

Property Location: _____

Tax Map # _____

Applicant is owner? Yes _____ No _____

of Commercial Units _____

Signature: _____

Date ____ / ____ / ____

***** FORWARD ALL COPIES TO THE COMPTROLLERS OFFICE*****

COMPTROLLER'S OFFICE

Application Approval: Yes _____ No _____

Date Received _____

Signature: _____
City Comptroller

Date _____

***** FORWARD ALL COPIES TO THE PUBLIC WORKS OFFICE*****

DISTRIBUTION: (1) Property Owner, (1) DPW-Commissioners Office, (1) Comptroller's Office.
Return Completed original to Assessors Office

MOUNT VERNON REFUSE SUSTAINABILITY FEE IMPACT ANALYSIS

Assumptions: Median Full Value of 1, 2 and 3 Family Homes in Mount Vernon. See Attachment No. 1.

- 1 - Family Median Full Value = \$546,511.63
- 2 - Family Median Full Value = \$554,868.47
- 3 - Family Median Full Value = \$604,651.16

Assumption: Conversion Factor from Full Value to Assessed Value is 49.75

Therefore, Assessed Values for Median 1, 2 and 3 Family Homes in Mount Vernon are as Follows:

- 1 - Family Median Assessed Value = \$10,985
- 2 - Family Median Assessed Value = \$11,153
- 3 - Family Median Assessed Value = \$12,154

Based on the above assessed values compare annual city tax bills for 2021(without refuse fee) to 2022 through 2024(with refuse fees) to annual city tax bills without refuse fees.

Assume annual budgets for 2021, 2022, 2023 and 2024 are as adopted.

Budgeted Refuse Fees for 2022 were \$6,700,000, for 2023 were \$6,000,000 and for 2024 were \$6,200,000.

Tax rates for 2021 were \$426.67/\$1000 AV, for 2022 were \$440.64/\$1000 AV plus Refuse Fee of \$200/unit, for 2023 were \$465.39/\$1000 AV plus Refuse Fee of \$200/unit and for 2024 were \$501.26/\$1000 AV plus Refuse Fee of \$200/unit.

Attachment No. 2 is a Mount Vernon Public Works Budget Comparison for 2020 – 2024.

Attachment No. 3 is a comparison of City Taxes for the Median Assessed Value 1, 2 and 3 Family Homes with and without the Refuse Sustainability Fees for the Years 2021(No Refuse Sustainability Fee) – 2024 assuming the Public Works Department Budgets would be as per the adopted budgets for each of those years.



CITY OF MOUNT VERNON, NEW YORK
DEPARTMENT of PUBLIC WORKS

SHAWYN PATTERSON-HOWARD
Mayor

City Hall
One Roosevelt Square – Room 108
Mount Vernon, NY, 10550
(914) 665-2300 – Fax: (914) 665-2476

DAMANI L. BUSH
Commissioner
ROBERT L. HACKETT
Deputy Commissioner

February 8, 2023

Median Value of 1, 2 and 3 Family Homes in
Mount Vernon Ny 10550

1 Family Median Value = \$546,511.63

2 Family Median Value = \$554,868.47

3 Family Median Value = \$604,651.16



Mount Vernon D.P.W. Budget Comparisons 2020 – 2024

2022 Adopted Budget 02/28/22						
2023 Adopted Budget 12/30/22						
2024 Adopted Budget 12/18/23						
Appropriations Account Number	2024	2023	2022	2021	2020	
A1440	\$337,994	\$278,338	\$401,938	\$243,404	\$231,329	
A1490	\$1,276,465	\$991,217	\$1,293,226	\$1,014,892	\$780,305	
A1620	\$1,664,585	\$1,412,272	\$1,320,484	\$1,034,518	\$1,036,597	
A1640	\$2,728,360	\$2,546,794	\$2,529,908	\$2,398,874	\$2,525,961	
A5110	\$4,217,247	\$3,880,108	\$2,640,702	\$2,263,695	\$1,274,837	
A5120	\$25,000	\$25,000	\$110,000	\$10,000	\$10,000	
A5142	\$325,000	\$400,000	\$400,000	\$400,000	\$350,000	
A5182	\$820,630	\$807,814	\$813,882	\$117,123	\$117,123	
A5410	\$45,000	\$45,000	\$45,000	\$45,000	\$50,000	
A7111	\$1,948,066	\$1,697,808	\$1,457,719	\$1,216,820	\$1,304,189	
A8120	\$1,472,192	\$1,401,155	\$1,837,174	\$1,909,744	\$1,320,386	
A8160	\$5,266,205	\$4,764,021	\$4,634,859	\$3,186,286	\$3,370,725	
A8170	\$1,282,465	\$1,119,006	\$882,561	\$2,653,505	\$2,361,877	
A8560	\$15,000	\$15,000	\$15,000	\$15,000	\$20,000	
TOTAL	\$21,424,209	\$19,383,533	\$18,382,453	\$16,508,861	\$14,753,329	
REVENUE: REFUSE AND GARBAGE CHARGES, A2130	\$6,200,000	\$6,000,000	\$6,700,000	\$0	\$0	

ATTACHMENT 3

**COMPARISONS OF REFUSE SUSTAINABILITY FEE METHODOLOGY TO CITY
TAX METHODOLOGY FOR FUNDING THE SANITATION SERVICES PROVIDED
BY THE D.P.W.**

APPENDIX H

SUMMARY OF GARBAGE AND RECYCLABLES COLLECTION COSTS

ROCKLAND COUNTY



**Annual Residential 1, 2 And 3 Family Garbage and Recyclables Collection Costs
Rockland County (5 Towns and 19 Village)**

	Monthly	Annual
Clarkstown:	\$40.28/mo.	\$483.36 includes bulk
Haverstraw:	\$24.61/mo. – 1 family	\$295.32/yr. – No bulk
	\$30.50/mo. – 2 family	\$366.00/yr. – No bulk
	\$26.50/mo. – 3 family	\$438.00/yr. – No bulk
Orangetown	\$42.22/mo.	\$506.64/yr. – Including bulk
Ramapo	\$43.33/mo.	\$519.96/yr.
Stony Point	\$40.50/mo.	\$486.00/yr.
Airmont	\$51.47/mo.	\$617.64/yr.
Chestnut Ridge	\$31.64/mo.	\$379.68/yr.
Grandview	\$44.71/mo.	\$536.52/yr.
Haverstraw	\$44.57/mo.	\$534.84/yr.
Hillburn		
Kaser		
Montebello	\$42.50/mo.	\$510.00/yr.
New Hempstead	\$50.00/mo.	\$600.00/yr.
New Square		
Nyack		
Piermont		
Pomona		
Sloatsburg	\$38.00/mo.	\$456.00/yr.
South Nyack		
Spring Valley	\$52.50/mo.	\$630.00/yr.
Suffern		
Upper Nyack	\$39.50/mo.	\$474.02/yr.
Wesley Hills	\$50.17/mo.	\$602.04/yr.
West Haverstraw		

*See attached spreadsheet with additional details.

VILLAGES	Handler for Garbage	Handler for Recycling	Curbside/In-house/ Dumpster	Land Collection	Price per Unit per Month
ARJUNMONT	Carlo Minuto	Carlo Minuto	Back Door	Carlo Minuto	\$34.47
CHESTNUT RIDGE	IMS	IMS	Back Door	IMS	
GRANDVIEW	Menichetti	Capasso	Back Door	Menichetti	\$31.64 - Village Reimburses Dumping costs
HAVERSTRAW	Hlep	Hlep	Curbside	DPW	Garbage \$37.66 - Recycling \$7.66 = \$44.71 per unit
HILLBURN	DPW	DPW	Curbside	DPW	-\$44.57 for single Family 2x pickup - \$68.00 for two Family 2x pickup - \$86.78 for 3 Family 2x pickup - \$331.42 for mixed use 2x pickup
KASER	DPW	DPW	Curbside	DPW	N/A
MONTBELLO	Carlo Minuto	Carlo Minuto	Curbside	Carlo Minuto	\$50.00 for single Family - \$100.00 for two Family - \$150.00 for three Family (3 or more)
NEW HEMPSTEAD	Carlo Minuto	Carlo Minuto	Back Door	Carlo Minuto	\$45.00
NEW SQUARE	DPW	DPW	Back Door	DPW	N/A
PERMONT	DPW	Capasso	Curbside	DPW	Recycling \$7.66 per unit
POMONA	IMS	IMS	Curbside	DPW	Recycling \$7.66 per unit
SLOAN/STUBURG	Carlo Minuto	Carlo Minuto	Curbside	IMS	\$24.09
SOUTH HYACK	Carlo Minuto	Capasso	Curbside	Carlo Minuto	\$38.00 for single Family - \$76.00 for two Family - \$114.00 for 3 Family - \$152.00 for 4 Family
SPRING VALLEY	Carlo Minuto	Carlo Minuto	Curbside	O. Highway/DPW	\$7.00 for recycling
SUFFERN	DPW	DPW	Curbside	DPW	\$23.50
UPPER NYACK	Carlo Minuto	Capasso	Curbside	DPW	N/A
WESLEY HILLS	Marang	Marang	Back Door	DPW	Garbage \$32.00 - Recycling \$7.00 = \$39.00
WEST HARTSTRAW	DPW	DPW	Curbside	DPW	\$50.17 for single Family - \$100.35 for two Family - \$150.51 for mixed Use 100K
TOWNS					N/A
CLARKSTOWN	Hlep, Nazario, Balzano, Minuto, IMS	Capasso	Curbside	Highway/DPW	\$24.14 for Trash - \$4.47 for Bulk - \$7.67 for recycling - Total \$40.28
HAVERSTRAW	Stirling	Capasso	Curbside	Highway/DPW	\$5.59 Recycling - Garbage \$13.11 for 1 Family - \$26.00 for 2 Family - \$39.00 for 3 Family (Bulk not included as to be done by DPW)
ORANGETOWN	Private - DeLuca, Marangli, Hlep	Capasso	Back Door	Highway/DPW	Garbage \$35.21 (Tax included) - Recycling \$7.00 = \$42.21 (Including Bulk)
RAMAPO	IMS	IMS	Curbside	IMS	\$43.38
STONY POINT	Private - Carlo Minuto & Vignolo Carling	Capasso	Curbside	Highway/DPW	Garbage \$52.65 - Recycling \$7.65 = \$60.30 (Plus Tax)



SOURCES OF THE REFUSE SUSTAINABILITY FEE (RSF)

One Family House (21 O): 4299 houses@ \$200/unit = \$859,800

Two Family House (220): 2795 houses(two units each)@ \$200/unit = \$1,118,000

Three Family House (230): 1131 houses(three units each)@ \$200/unit = \$678,600

Total units from one, two and three family houses = 13,282 units @ \$200/unit = \$2,656,400

US Census Report indicates there were 26,260 households in Mount Vernon in 201 O with an average household size of 2.53 people. Deducting the 13,282 units from one, two and three family houses noted above leaves 12,978 other household units@ \$200/unit = \$2,595,600

Based on the above the total RSF from households = \$5,252,000

In 2022 the total RSF collected= \$5,474,667 from Financial Report for period ending 12/31 /22

In 2023 the total RSF = \$6,211,065 from Financial Report for period ending 12/31 /23

Balance of RSF would come from commercial and institutional properties

It should be noted that another section of US Census Report indicated there were 28,778 households in 2022 although some of the units may have been vacant. 28,778 households @ \$200/unit = \$5,755,600.