Waste Management Enterprise Fund of the Department of Solid Waste Management of Miami-Dade County, Florida

Agreed-Upon Procedures on Full Cost Disclosure Report September 30, 2022



RSM US LLP

Independent Accountant's Report on Applying Agreed-Upon Procedures

The Honorable Mayor and Chairperson and Members of the Board of County Commissioners Miami-Dade County, Florida

We have performed the procedures enumerated below in Florida Department of Environmental Protection it's compliance with the Full Cost Accounting Rule, Chapter 62-708, of the *Florida Administrative Code* for the fiscal year ended September 30, 2022, with respect to certain records and transactions in the Full Cost Disclosure Report (the Specified Requirements). The Waste Management Enterprise Fund of the Department of Solid Waste Management (the Department), an enterprise fund of Miami-Dade County, Florida (the County), is responsible for the Full Cost Disclosure Report.

The Department's management has agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of assisting management with respect to certain financial data in the Letter. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures and associated findings, if any, are summarized as follows (dollars are in thousands).

We obtained all financial information and related schedules from the Department's Controller Office. Materiality, for the purpose of this report, has been determined to be one thousand dollars and 0.50%:

- 1. We compared the total cost of \$178,226 from the Full Cost Disclosure Report (see page 2 of the full cost report attached) to the sum of operating expenses of \$100,711, plus depreciation expense of \$10,934, plus interest expense of \$905, plus disposal costs of \$65,654 obtained from the Waste Collection System unaudited management prepared Schedule of Revenues, Expenses and Changes in Fund Net Position (see page 6 of the full cost report attached) for the year ended September 30, 2022, adjusted for the following amounts obtained from management's supporting schedules plus issuance costs of \$22 and found them to be in agreement. No exceptions were noted.
- 2. We recomputed the "cost per unit serviced" to the Full Cost Disclosure Report (see page 2 of the full cost report attached) by dividing the respective Full Cost amount by the Units Serviced (number of households or commercial units, as applicable) as reported in the unaudited Statistical Tables V (Collection System Customer Statistics) which is included in the Department's September 30, 2022, Annual Comprehensive Financial Report (ACFR). No exceptions were noted. We also recomputed the "cost per ton" to the Full Cost Disclosure Report (see page 2 of the full cost report attached) by dividing the respective Full Cost amount by the Tons (residential or commercial, as applicable) as reported in the unaudited Statistical Tables IV A (Collection System Tonnage by Type) which is included in the Department's September 30, 2022 ACFR. No exceptions were noted.

- 3. We compared the respective amounts in the "Allocation of Support Costs" columns from the *Full Cost Summary With Allocations* report (see page 3 of the full cost report attached), to the corresponding amounts listed in the *Basis of Allocations for Full Cost Report* (see page 4 of the full cost report attached) and found them to be in agreement. No exceptions noted.
- 4. Using the *Basis of Allocations for Full Cost Report* (see page 4 of the full cost report attached), we recomputed the allocation amounts and related percentages listed for Garbage, Trash, Interest Expense, Depreciation and Department wide, by multiplying the respective amounts in each of the above category by their corresponding percentages (see page 4 of the full cost report attached). No exceptions were noted that exceeded the defined materiality.
- 5. We compared the number of units (number of households or commercial units, as applicable) and annual tons (residential or commercial, as applicable) which management obtained from the Department's information systems as reported in the Workload Measures Report (see page 5 of the full cost report attached), to unaudited Statistical Tables IV A and V (Collection System Tonnage by Type and Collection System Customer Statistics, respectively) which is included in the Department's September 30, 2022 ACFR, and found them to be in agreement. No exceptions were noted.
- 6. We inquired of the Department's Controller regarding the basis for allocating costs for the *Full Cost Disclosure Reports* and were informed that the methodology used is consistent with that of the prior year.

We were engaged by the Department's management to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the American Institute of Certified Public Accountants. We were not engaged to and did not conduct an examination or review engagement, the objective of which would be the expression of an opinion or conclusion, respectively, on the amounts and calculations in the *Full Cost Disclosure Reports* of the Department for the fiscal year ended September 30, 2022. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of the Department and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Florida Department of Environmental Protection and management of the Miami-Dade County Department of Solid Waste Management, and is not intended to be, and should not be, used by anyone other than these specified parties.

RSM US LLP

Miami, Florida September 28, 2023



"Delivering Excellence Every Day"

WASTE MANAGEMENT ENTERPRISE FUND

AN ENTERPRISE FUND OF THE DEPARTMENT OF SOLID WASTE MANAGEMENT

A DEPARTMENT OF MIAMI-DADE COUNTY, FLORIDA

WASTE COLLECTION SYSTEM

FULL COST DISCLOSURE REPORT

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2022

RESIDENTIAL SERVICES

		HOUSEHOLDS SERVED	FULL COST PER HOUSEHOLD
GARBAGE & TRASH CURBSIDE PROGRAM			
COLLECTION DISPOSAL		348,626 348,626	\$244 \$134
TRASH & RECYCLING CENTERS (TRASH)			
COLLECTION DISPOSAL TRC - TRANSPORTATION COST	(1)	348,626 348,626 348,626	\$22 \$35 \$19
RECYCLING PROGRAMS		362,021	\$22
BULKY WASTE & ILLEGAL DUMPING ENFORCEMENT	(2)	348,626	\$24
LITTER CONTROL		348,626	\$5
RESIDENTIAL COST FOR COMBINED SERVICE AREA			
COLLECTION DISPOSAL TRC - TRANSPORTATION COST RECYCLING BULKY WASTE & ILLEGAL DUMPING ENFORCEMENT LITTER CONTROL TOTAL			\$266 \$169 \$19 \$22 \$24 \$5
COMMERCIAL	SERVICES		
GARBAGE & TRASH COLLECTION PROGRAM		TOTAL TONS	FULL COST PER TON
GARBAGE COLLECTION GARBAGE DISPOSAL TRASH COLLECTION TRASH DISPOSAL		11,039 11,039 3,862 3,862	\$118 \$80 \$135 \$230
TOTAL			\$563

THE AVERAGE WASTE DISPOSED OF ON A PER HOUSEHOLD BASIS WAS DETERMINED TO BE 2.70 TONS.

⁽¹⁾ SINCE FISCAL YEAR 2018, THESE COSTS WERE TRANSFERRED TO THE DISPOSAL FUND. THE DEPARTMENT HAS DEEMED THAT THESE COSTS RELATE TO THE TRASH & RECYCLING CENTERS (TRCs) REGARDLESS OF THE FUND WHERE THESE COSTS RESIDE. THEREFORE, THESE COSTS HAVE BEEN ALLOCATED TO THE HOUSEHOLD UNIT COST IN THIS PRESENTATION.

⁽²⁾ THIS PRESENTATION REFLECTS ALL BULKY WASTE ENFORCEMENT & ILLEGAL DUMPING ENFORCEMENT COSTS RESIDING IN THE COLLECTION FUND.

Waste Management Enterprise Fund An Enterprise Fund of of the Department of Solid Waste Management A Department of Miami-Dade County, Florida Waste Collection System Full Cost Disclosure Report 09/30/2022

	Full Cost (Final)	Units Serviced (# households or commercial units as applicable)	Cost Per Unit Serviced*	Tons (Residential or Commercial as applicable)	Cost Per Ton*
GARBAGE AND TRASH CURBSIDE PROGRAM					
GARBAGE COLLECTION TRASH COLLECTION	\$64,348,251 \$20,702,630	348,626 348,626	\$185 \$59	882,321 882,321	\$73 \$23
		0.10,020		302,02	
COLLECTION TOTAL	\$85,050,881		\$244		\$96
GARBAGE DISPOSAL TRASH DISPOSAL	\$39,458,668 \$7,329,914	348,626 348,626	\$113 \$21	882,321 882.321	\$45 \$8
TRASH DISPOSAL		340,020	\$21	002,321	ФО
DISPOSAL TOTAL	\$46,788,582		\$134		\$53
TRASH AND RECYCLING CENTERS (TRASH)					
COLLECTION DISPOSAL	\$7,544,678 \$12,323,763	348,626 348,626	\$22 \$35	882,321 882,321	\$9 \$14
TRC TOTAL	\$19,868,441	0.10,020	V	332,321	* ··
RECYCLING PROGRAMS	\$7,954,155	362,021	\$22	60,096	\$132
BULKY WASTE & ILLEGAL DUMPING ENFORCEMENT	\$8,277,116	348,626	\$24	882,321	\$9
LITTER CONTROL	\$1,688,855	348,626	\$5	882,321	\$2
BULKY WASTE & ILLEGAL DUMPING ENFORCEMENT AND LITTER CONTROL TOTAL	\$9,965,971				
RESIDENTIAL COSTS FOR COMBINED					
SERVICE AREA COLLECTION	\$92,595,559	348,626	\$266	882,321	\$105
DISPOSAL	\$59,112,345	348,626	\$169	882,321	\$67
RECYCLING	\$7,954,155	362,021	\$22	60,096	\$132
BULKY WASTE & ILLEGAL DUMPING ENFORCEMENT LITTER CONTROL	\$8,277,116 \$1,688,855	348,626 348,626	\$24 \$5	882,321 882,321	\$9 \$2
		340,020		002,321	
TOTAL	\$169,628,030		\$486		\$316
COMMERCIAL GARBAGE AND TRASH COLLECTION PROGRAM					
GARBAGE COLLECTION	\$1,300,739			11,039	\$118
GARBAGE DISPOSAL	\$878,528			11,039	\$80
TRASH COLLECTION TRASH DISPOSAL	\$520,854 \$887,017			3,862 3,862	\$135 \$230
COMMERCIAL TOTAL	\$3,587,138				\$563
COMMENCIAL TOTAL	Ψ0,507,150				4000
OTHER PROGRAMS FEMA	\$5,010,465				
TOTAL COSTS	\$178,225,633				

 $^{{}^\}star\mathsf{The}$ Cost Per Unit Serviced and Cost Per Ton figures presented herein are rounded.

Waste Management Enterprise Fund An Enterprise Fund of the Department of Solid Waste Management A Department of Miami-Dade County, Florida Waste Collection System Full Cost Summary With Allocations 09/30/2022

---Allocation of Support Costs-Garbage Trash Interest Depreciation Dptwide Preliminary Allocation Allocation Allocation . Allocation . Allocation Final GARBAGE AND TRASH CURBSIDE PROGRAM GARBAGE COLLECTION \$49,651,417 \$747,902 \$0 \$535,623 \$6,474,188 \$6,939,121 \$64,348,251 GARBAGE DISPOSAL \$39 458 668 \$39 458 668 \$0 \$0 \$0 \$0 \$0 \$20,702,630 TRASH COLLECTION \$15,253,838 \$0 \$743,949 \$191,443 \$2,310,606 \$2,202,794 TRASH DISPOSAL \$7,329,914 \$0 \$7,329,914 TRASH AND RECYCLING CENTERS (TRASH) COLLECTION \$5,554,628 (a) \$0 \$270,864 \$69,702 \$847,539 \$801,945 \$7,544,678 DISPOSAL \$12,323,763 \$0 \$0 \$0 \$0 \$0 \$12,323,763 RECYCLING PROGRAMS \$6,991,310 \$0 \$0 \$0 \$0 \$962,845 \$7,954,155 **BULKY WASTE & ILLEGAL DUMPING ENFORCEMENT** \$6,098,395 \$0 \$923,723 \$8,277,116 \$297,360 \$76,520 \$881,118 FFMA \$4,403,898 \$5.010.465 \$0 \$0 \$0 \$0 \$606.567 LITTER CONTROL \$1,244,212 \$0 \$60,680 \$15,615 \$188,294 \$180,054 \$1,688,855 COMMERCIAL GARBAGE AND TRASH **COLLECTION PROGRAM** \$1,300,739 \$878,528 GARBAGE COLLECTION \$1,004,109 \$14.563 \$0 \$10,820 \$130,779 \$140,468 GARBAGE DISPOSAL \$878.528 \$0 \$0 \$0 \$0 \$0 TRASH COLLECTION \$385,858 \$0 \$16,815 \$4,835 \$58,436 \$54,910 \$520,854 TRASH DISPOSAL \$887.017 \$0 \$0 \$0 \$0 \$0 \$887.017 \$178,225,633 TOTAL DIRECT COSTS \$151,465,555 \$762,465 \$1,389,668 \$904,558 \$10,933,565 \$12,769,822 ADMINISTRATIVE SUPPORT DEPTWIDE COSTS TO BE ALLOCATED INTEREST COSTS TO BE ALLOCATED \$12,769,822 \$0 \$0 \$0 \$0 (\$12,769,822) \$0 (\$904.558) \$904.558 \$0 \$0 \$0 \$0 \$0 AMORTIZATION OF BOND PREMIUM TO BE ALLOCATED \$0 \$0 \$0 \$0 \$0 \$0 \$0 DEPRECIATION TO BE ALLOCATED \$10,933,565 \$0 \$0 \$0 (\$10,933,565) \$0 \$0 GARBAGE ADMIN. DIVISION COSTS \$762,465 (\$762,465) \$0 \$0 \$0 \$0 \$0 \$0 TRASH ADMIN. DIVISION COSTS \$1,389,668 \$0 \$0 (\$1,389,668) \$0 \$0 CAPITAL COSTS TO BE ELIMINATED \$5,753,795 \$0 \$0 \$0 \$0 \$5,753,795 \$0 **CAPITAL COST Elimination** (\$5,753,795) \$0 \$0 \$0 \$0 \$0 (\$5,753,795) TOTAL COSTS \$178,225,633 \$0 \$0 \$0 \$178,225,633

⁽a) In fiscal year 2022, T&R Transportation Cost resides in disposal fund.

Waste Management Enterprise Fund An Enterprise Fund of the Department of Solid Waste Management A Department of Miami-Dade County, Florida Waste Collection System Basis of Allocations for Full Cost Report 09/30/2022

1. Garbage Administration Division Costs: Administrative costs totaling: \$762,465 in the Garbage Division were allocated between residential and commercial garbage collection activities based on relative tonnage as follows:

	Tonnage	%	Allocation
Residential Garbage Collection Commercial Garbage Collection	567,302 11,039	98.09% 1.91%	\$747,902 \$14,563
Total Garbage	578,341	100.00%	\$762,465

Interest Expense that totaled (a) \$904,558 was allocated 60.41% to garbage collection and 39.59% to trash collection based on the relative tonnages. The allocation within garbage and trash was based on the current year relative direct cost.

		Direct Cost	%	Allocation
Residential Garbage Collection Commercial Garbage Collection		\$49,651,417 \$1,004,109	98.02% 1.98%	\$535,623 \$10,820
Total Garbage Direct Cost		\$50,655,526	100.00%	\$546,443
	60.41%	Interest	=	\$546,443
		Direct Cost	%	Allocation
Residential Trash-Curbside, Other, TRC Commercial Trash Collection		\$28,151,073 \$385,858	98.65% 1.35%	\$353,280 \$4,835
Total Trash Direct Cost		\$28,536,931	100.00%	\$358,115
	39.59%	Interest	=	\$358,115

Depreciation totaling 39.59%
 \$10,933,565
 was allocated 60.41%
 to garbage collection and to trash collection based on the relative tonnages. The allocation within garbage and trash was based on the current year relative direct cost.

		Direct Cost	%	Allocation	
Curbside Garbage Collection Commercial Garbage Collection		\$49,651,417 \$1,004,109	98.02% 1.98%	, ,	130,778.34
Total Garbage Collection Direct Cost		\$50,655,526	100.00%	\$6,604,967	
60	.41%	Depreciation	=	\$6,604,967	10,933,565.09
		Direct Cost	%	Allocation	6,604,966.67 130,778.34
Residential Curbside Trash Collection		\$15,253,838	53.38%	. ,,	
Bulky Waste & Illegal Dumping Enforcement		\$6,098,395	21.34%	, .	
Litter Control		\$1,244,212	4.35%		10,933,565.09
Residential Trash-Curbside, Other, TRC Sub-Total		\$22,596,445	79.07%	\$3,422,623	4,328,598.42
					58.436.08
T&R Center Trash Collection		\$5,554,628	19.58%	\$847,539	
Commercial Trash Collection		\$385,858	1.35%		
Total Trash Collection Direct Cost		\$28,536,931	100.00%	\$4,328,598	
39	.59%	Depreciation	=	\$4,328,598	

Trash Administration Division Costs: Administrative costs for Trash Division totaling \$1,389,668 were allocated between residential and commercial trash collection activities based on relative tonnage. Within residential, the costs are allocated to Bulky Waste & Illegal Dumping Enforcement and Litter Control. Lot Clearing, Demolition, and Curbside trash are based on the relative direct cost of those activities.

Residential			
Tons	(a)	315,019	98.79%
Commercial Tor	าร	3,862	1.21%
Total Ton	_	318 881	100 00%

(a) Including Bulky Waste & Illegal Dumping Enforcement and Litter Control.

	Direct Cost		Allocation
Commercial Trash Collection	not applicable		\$16,815
Residential Trash-Curbside	15,253,838	54.19%	\$743,949
Residential Trash-TR Centers	5,554,628	19.73%	\$270,864
Bulky Waste & Illegal Dumping Enforcement	6,098,395	21.66%	\$297,360
Litter Control	1,244,212	4.42%	\$60,680
Lot Clearing (excluded-considered enf.)	0	0.00%	\$0
Demolition	0	0.00%	\$0
Total Residential Direct Cost	28,151,073	100.00%	\$1,389,668

5. Deptwide indirect cost totaling \$12,769,822 were allocated to the activities listed below based on the relative direct cost of each activity. For this purpose the direct cost of the garbage and trash divisions includes the allocated costs from the garbage and trash administration units as shown.

	Direct Cost		%	Allocation
Curbside Garbage Collection	\$50,399,319	(1)	54.34%	\$6,939,121
Curbside Trash Collection	\$15,997,787	(1)	17.25%	\$2,202,794
T&R Center Trash Collection	\$5,825,492	(1)	6.28%	\$801,945
Recycling Programs	\$6,991,310		7.54%	\$962,845
Bulky Waste & Illegal Dumping Enforcement	\$6,395,755	(1)	6.90%	\$881,118
FEMA	\$4,403,898		4.75%	\$606,567
Litter Control	\$1,304,892	(1)	1.41%	\$180,054
Commercial Garbage Collection	\$1,018,672	(1)	1.10%	\$140,468
Commercial Trash Collection	\$402,673	(1)	0.43%	\$54,910
Lot Clearing	\$0		0.00%	\$0
Demolition	\$0		0.00%	\$0
		-		
	\$92,739,798		100.00%	\$12,769,822

⁽¹⁾ After Garbage/Trash Adm. Allocation to Residential and Commercial.

Waste Management Enterprise Fund An Enterprise Fund of the Department of Solid Waste Management A Department of Miami-Dade County, Florida Workload Measures 09/30/2022

		Units		Tons Garbage	Tons Trash	Tons Recycling	Tons Total
Residential: Household units Residential dumpster units City of Miami Hud Units	Sub-Total	343,396 5,155 75		567,302	309,751	(2)	877,053
Illegal Dumping:		-			5,094	(5)	5,094
Litter Control:		-			174	(6)	174
Total Residential		348,626	(A)	567,302	315,019	<u> </u>	882,321
Commercial can units Commercial rollaway units	Sub-Total Sub-Total	3,382 1,125 4,507 553 24 577					
Total Commercial		5,084	(B)	11,039	3,862	(3)	14,901
			Sub-Total	578,341	318,881	-	897,222
Recycling: Units in collections service area	a	343,396	_				
Units outside service area Units inside service area w/o ga	arbage service Sub-Total	51 1,921 1,972	-				
Municipal units		16,653					
Total Recycling		362,021	(C)	<u>-</u>		60,096 (4)	60,096
			Total	578,341 (1)	318,881	60,096	957,318
		Percentages	:				
		Residenti	al:	59.26%	32.36%		
		Illegal Du	mping:	0.00%	0.53%		
		Litter Cor		0.00%	0.02%		
		Commerc		1.15%	0.40%		
		Recycling	:	0.00%	6.28%		
		Totals		60.41%	39.59%	100.00%	

Waste Collection System

Supplemental Schedule of Revenues, Expenses and Changes in Fund Net Position

	For the Fiscal Year Ender September 30, 202	
	(In thousands)	
Operating Revenues		
Solid waste collection services	\$ 169,703	
Other operating revenues	573	
Total Collection Operating Revenues	170,276	
Operating Expenses		
Garbage collection	51,418	
Trash collection	24,784	
Recycling	6,991	
Litter control	1,227	
Enforcement and environmental compliance	4,525	
General and administrative	11,766	
Subtotal	100,711	
Depreciation	10,934	
Total Collection Operating Expenses	111,645	
Collection Operating Income	58,631	
Non-Operating Revenues (Expenses)		
Investment income (loss)	(361)	
Interest expense	(905)	
Other income (expense), net:		
Hurricane related grant revenue	403	
COVID-19 Prevention	(54)	
Interfund Transfer	(16)	
Other	76	
Total Collection Non-Operating Revenues (Expenses), Net	(857)	
Change in Net Position Before Elimination	57,774	
Elimination*	(65,654)	
Change in Net Position After Elimination	\$ (7,880)	

^{*} Impact to Net Position by the elimination of tipping fees (in Garbage Collection, Trash Collection and Litter Control expenses above) paid to the Disposal System.



The undersigned, a duly authorized representative of Miami-Dade County, Florida, HEREBY CERTIFIES THAT:

The Miami-Dade County Solid Waste Management Department Full Cost Disclosure Report, a copy of which is attached for the fiscal year ended September 30, 2022 does not, to the best of my knowledge, contain any untrue statements or calculations nor fails to present any material facts which should be included for the purpose of properly informing the public of the full cost of solid waste management services.

IN WITNESS THEREOF, I have hereunto set my hand and seal this <u>28th</u> day of <u>September</u>, 2023.



Barbara Gomez Finance Director Miami-Dade County