



# Technical Memorandum

Date: Friday, August 02, 2019  
Project: California Mandated Trash Cleanup (CMTC) Plan  
To: Brian Nemerow, City of Vista  
From: Stephanie Shamblin Gray, HDR

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Subject: CMTC Plan: Costs and Rate Development (Post Implementation Plan Submittal)

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## Regulatory Requirements

In the San Diego Region, stormwater discharges from municipal separate storm sewer systems (MS4s) are regulated through a regional general permit (Regional MS4 Permit) adopted by the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) pursuant to Section 402(p) of the Clean Water Act. The term Regional MS4 Permit refers to the San Diego Water Board's Order No. R9-2013-0001, as amended by Order Nos. R9-2015-0001 and R9-2015-0100, NPDES No. CAS0109266, *National Pollutant Discharge Elimination System (NPDES) Permit and Waste Discharge Requirements for Discharges from the MS4s Draining the Watersheds within the San Diego Region*. The City of Vista (City) is a permittee of the Regional MS4 Permit.

On April 7, 2015, the State Water Board adopted Resolution No. 2015-0019 to address the impacts of trash to the surface waters of California (referred to hereafter as the Trash Amendments). The Trash Amendments became effective December 2, 2015 and established a statewide water quality objective and implementation requirement to control trash, including a prohibition against the discharge of trash to ocean and surface waters. Trash is typically generated on land, but can be collected and transported to surface water through stormwater discharges from MS4s.

On December 3, 2018, the City prepared and submitted the "Track 2 Implementation Plan: For Compliance with San Diego Region Water Quality Control Board Order No. R9-2017-0077" (Implementation Plan) to the San Diego Water Board, demonstrating how the City will comply with the Trash Amendments. The City's coordinated effort is referred to as the California Mandated Trash Cleanup (CMTC) Plan.

This memorandum is intended to establish budgetary cost estimates and prepare a financial plan to execute the Implementation Plan per the Implementation and Monitoring/Reporting Schedule that was provided in the Implementation Plan. See Table 1 for anticipated implementation activity schedule. The financial plan that follows is designed to assist the City in balancing the proposed plan costs relative to the long-term goal of meeting regulatory requirements and other local goals and objectives.

Table 1. Implementation Schedule

Trash Management Control Measures	Year 1 (FY 19-20)	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10 (FY 28-29)
<b>Implementation:</b> Maintain bi-weekly street sweeping, BMP O&M, and existing non-structural controls	X	X	X	X	X	X	X	X	X	X
<b>Monitoring:</b> Annual Monitoring Report to Board and Desktop Analysis of Anticipated Reduction for Annual Monitoring Report	X	X	X	X	X	X	X	X	X	X
<b>Implementation:</b> Adopt and implement funding plan and any required ordinances	X	X								
<b>Implementation:</b> Prepare/Perform BMP Location, Effectiveness, and Drainage Studies, as needed.	X	X	X	X						
<b>Implementation:</b> Install structural devices on public property, Retrofit previously installed devices to full-capture equivalency, if applicable, and Implement additional controls following field studies if determined necessary			X	X	X	X	X	X	X	X
<b>Implementation:</b> Meet compliance										X

## Financial Plan Development

To execute the City’s CMTC Plan, customer account information was provided by the City and programmatic costs were developed. Together, these two elements represent the key factors in developing fair and equitable rates to seamlessly execute the CMTC Plan. The discussion of customer accounts and applicable cost elements are provided below.

### Customer Accounts and Trash Volumes

The City contracts with EDCO for collection and disposal of trash. Spreadsheets with account information including number of accounts, size of containers, and frequency of pick-ups were provided by EDCO. This data was reviewed for duplicate accounts, bin-size inconsistencies, inactive accounts, number of bins per account, and account code consistency. Table 2 provides a summary of the EDCO-provided billing data.

Table 2. Summary of EDCO Billing Data

Bin Size	Number of Bill Accounts <sup>1,2</sup>	Number of Bins <sup>3,4,5</sup>	Number of Bins Picked-up Per Week <sup>6</sup>
<b>Single Family Residential</b>			
35 gal	2,177	2,177	2,177
95 gal	14,509	14,509	14,509
<b>Total</b>	<b>16,686</b>	<b>19,243</b>	<b>16,686</b>
<b>Commercial/Industrial</b>			
2 cubic yard	160	160	178
3 cubic yard	1,012	1,166	2,045
4 cubic yard	67	77	187
5 cubic yard	65	71	191
6 cubic yard	1	1	3
<b>Total</b>	<b>1,305</b>	<b>1,475</b>	<b>2,604</b>
<b>Multi-Family Residential</b>			
2 cubic yard	13	20	20
3 cubic yard	286	638	735
4 cubic yard	32	50	86
5 cubic yard	8	13	28
<b>Total</b>	<b>339</b>	<b>721</b>	<b>869</b>

Source: EDCO Billing Data

1. Accounts are not unique billing numbers and may include duplicates.
2. Duplicate account numbers are assumed to be appropriate. (one account billed for multiple locations/parcels)
3. Single-family residential accounts with multiple bins were identified for City/EDCO review. One bin and one weekly pickup are used herein.
4. Bin Capacity is used as the basis for total potential trash per customer.
5. Data Checks – A general review of Bin Capacity data by the City/EDCO is recommended.
6. Number of bins multiplied by pickups per week.

Using the EDCO billing data, the total volume of trash collected weekly and annually was calculated and shown in Table 3.

**Table 3. Summary of Trash per Account Type**

Type	Number of Bill Accounts <sup>6</sup>	Total Bin Volume (gal) <sup>1,5</sup>	Total Weekly Trash (gal) <sup>2,3,5</sup>	Percent of Accounts (%)	Total Annual Trash (gal) <sup>3,4,5</sup>	Total Annual Trash (%)
Single Family Residential	16,686	1,684,805	1,684,805	91%	87,609,860	34%
Commercial/Industrial	1,305	906,257	1,996,311	7%	103,808,173	41%
Multi-Family Residential	339	448,180	1,245,170	2%	64,748,825	25%
<b>Total</b>	<b>18,330</b>	<b>3,039,243</b>	<b>4,926,286</b>	<b>100%</b>	<b>256,166,858</b>	<b>100%</b>

Source: EDCO Billing Data

1. Bin volume based on the assigned bin volume multiplied by number of bins. Total bin volume is the sum from all bill accounts.
2. Weekly trash based on bin volume multiplied by number of bins multiplied by number of pick-ups per week. Total weekly trash is the sum from all bill accounts.
3. Assume bins are at full trash capacity per each pick up.
4. Annual trash based on weekly volume multiplied by 52 weeks per year. Total annual trash is the sum from all bill accounts.
5. Commercial and Multi-Family bill accounts with Rate Codes beginning with 7, 8, or 9 are excluded from calculations per EDCO guidance.
6. Accounts are not unique billing numbers and include duplicates.

As shown in Table 3, single-family residential represents over 90% of the accounts served for trash collection in the City. In contrast, the commercial/industrial customer class has the highest annual volume of trash collected overall.

## Implementation Costs and Proposed Rates

In addition to analyzing potential future demands, projected costs were also determined for the trash collection program. These cost include both the capital costs of installing new trash collection devices and the costs associated with operating the new program (salaries, street sweeping, etc.)

An important element of the CMTC Plan is the phasing and installation of structural solutions for trash capture. In discussions with City staff, it was determined that trash capture needs included beginning to install full-capture units early in the compliance schedule and a balanced level of funding. Costs shown are high-level and conservative and only represent the costs for the years that the devices will be installed (expected to be Years 3 through 10). The following assumptions are included.

- Units will be installed in public right-of-way (ROW) streets, so no land acquisition is required.
- An annual retrofit/replacement cost was included for opportunities to upgrade current partial capture systems to full capture, if possible.
- A combination of medium and large units are assumed to be bundled together as a single project in any given fiscal year. Attachment 1 shows a bundled installation that may be expected. Not all years would install all units and costs have been adjusted as applicable.

For planning purposes, operational expenses were also identified and included in the cost of service. Services were identified for the various implementation activities and a conservative dollar value was determined for implementation activities. Costs for activities are based off of similar current projects. The costs were then escalated as appropriate in this projected financial plan. Staffing costs were received from the City based on the current staffing plan.

The following assumptions are included.

- Revenues include only operating revenues.
- No current expenses for trash-related program costs are included, only new program costs will be part of the cost of service.

The attached tables present the modelled expenses, cash flow, and rates. The revenues for the CMTC Plan are based on capital and operating expenses (Table 4). The financial plan incorporates the CMTC Plan's revenue requirements for the development of annualized rates and fund balance management.

For both tables, the first year of both the financial plan and the CMTC Plan is the fiscal year (FY) 19-20. Although rates are shown for the 10-year implementation period, rates and costs may be re-evaluated after Year 5. Based on timing of implementation, it is assumed FY 19-20 will collect revenues for 7 months and have Program Costs for 6 months.

Table 4 presents the existing and projected financial plan. The revenues, expenses, and costs for the program are presented in the table. Notes on the table are as follows:

- Total expenses escalate over the implementation period but also vary throughout the years depending on when efforts are anticipated to increase or decrease. For example, the Total Expenses in FY 21-22 are greater than FY 23-24 due to planning efforts.
- Net Revenue will similarly vary throughout the years. Net Revenue will be deficient beginning in FY 24-25 and remain deficient until FY27-28 as most installations occur. Net Revenue is anticipated to be positive again in FY 28-29.
- Ending Fund Balance is modestly positive in FY 19-20 and remains positive throughout the remainder of the implementation period.
- Ending Fund Reserve Goal fluctuates between FY 19-20 and FY 23-24 and then remains relatively steady for the remainder of the implementation period.

Table 5 presents the proposed financial plan rates, revenues, and typical bills. The unit costs and typical annual and monthly bills for a variety of container sizes in the program are presented in the table. Notes on the table are as follows:

- Rates are based on the full-container capacity of the bins.
- Unit costs vary throughout the implementation period as they are based on program costs. The unit rates have been adjusted to increase over the implementation period and start at \$0.003 in FY 19-20, increase to \$0.005 in FY 20-21, increase to \$0.007 in FY 21-22, increase to \$0.009 in FY 22-23, and increase for a final time to \$0.010 in FY 24-25. The unit costs remain consistent after this time, but may be adjusted, as needed, in the future.

- A typical single-family residence will have a 95 gallon container and will see a total annual cost of \$14.82 in FY 19-20 (or \$1.24/month). The projected annual bills will increase annually to a final increase in FY 24-25 to \$49.40 (\$4.12 monthly) and remain steady until the end of the implementation period or until costs/rates are re-evaluated.
- Commercial customer's typical bills will vary depending on the size of the container and the number of pick-ups per week. Annually in FY 19-20, this would vary from \$113.43 at the beginning of the program for a two-yard container averaging 1.8 pickups per week to \$708.93 for a five-yard container averaging 4.5 pickups per week. These would increase up to \$378.10 and \$2,363.10, respectively, by FY 24-25.

## **Conclusion**

It is recommended that the City review both costs and revenues annually during its budgetary process to assure that the CMTC Plan is meeting regulatory requirements and that costs and revenues continue in proportion to the values outlined in the financial plan herein. It is also recommended for the City to annually reevaluate the financial plan to assess implications of new regulatory drivers and their impact on implementation phasing.

**Attachment 1. Probable Project Costs**

Item Description	Unit	Unit Cost	Quantity	Cost
CDS 2015-4-C (Medium High-Flow Device) <sup>3</sup>	EA	\$9,180	8	\$73,440
CDS 3035-6-C (Large High-Flow Device) <sup>3</sup>	EA	\$39,917	1	\$39,920
CDS 2015-4-C Installation <sup>2</sup>	EA	\$12,000	8	\$96,000
CDS 3035-6-C Installation <sup>2</sup>	EA	\$30,000	1	\$30,000
Pavement Removal and Disposal <sup>1</sup>	SF	\$5	276	\$1,390
Pavement Replacement (5" Surface) <sup>1</sup>	SF	\$5	148	\$740
Base, CTB (8" Surface) <sup>1</sup>	SF	\$3	148	\$450
SWPPP	EA	\$20,000	10	\$200,000
Retrofit/Replace	LS	\$4,000	1	\$4,000
<b>Subtotal Direct Cost</b>				<b>\$445,940</b>
Mobilization/Demobilization	%	5%	-	\$22,300
Contingency	%	20%	-	\$89,190
General Conditions	%	12%	-	\$53,520
Bonds and Insurance	%	3%	-	\$13,380
Contractor's Overhead & Profit	%	5%	-	\$44,600
Traffic Control <sup>1</sup>	%	5%	-	\$22,300
<b>Bundled Construction Cost</b>				<b>\$691,230</b>
Design	%	15%	-	\$103,700
Construction Management	%	20%	-	\$138,300
City Administration	%	5%	-	\$34,600
Environmental/CEQA	%	5%	-	\$34,600
<b>Total Bundled Cost</b>				<b>\$1,002,500</b>

1. Costs acquired from [www.cityofvista.com/](http://www.cityofvista.com/)
2. Installation costs were received via email from a device manufacturer.
3. Unit costs for trash capture units were acquired from Appendix 2 of the Regional Water Quality Control Board's "Certified Full Capture Systems List of Trash Treatment Control Devices".

**Table 4**  
**Existing and Projected Financial Plan**  
**California Mandated Trash Compliance (CMTC)**

Date: 8/02/2019

City of Vista Item	YEAR 1 THROUGH 5 RATE PERIOD					YEAR 6 THROUGH 10 RATE PERIOD				
	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
<b>REVENUES (a)</b>										
Operating Revenues (Year 1, only 7 months)	\$ 440,650	\$ 1,258,900	\$ 1,762,500	\$ 2,266,100	\$ 2,266,100	\$ 2,517,800	\$ 2,517,800	\$ 2,517,800	\$ 2,517,800	\$ 2,517,800
Miscellaneous Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Transfers In	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenues</b>	<b>\$ 440,650</b>	<b>\$ 1,258,900</b>	<b>\$ 1,762,500</b>	<b>\$ 2,266,100</b>	<b>\$ 2,266,100</b>	<b>\$ 2,517,800</b>	<b>\$ 2,517,800</b>	<b>\$ 2,517,800</b>	<b>\$ 2,517,800</b>	<b>\$ 2,517,800</b>
<b>EXPENSES (b)</b>										
<b>New CMTC Program Costs ( c)</b>										
Staffing (Salaries & Benefits)	\$ 116,050	\$ 248,300	\$ 265,700	\$ 284,300	\$ 304,200	\$ 325,500	\$ 335,300	\$ 345,400	\$ 355,800	\$ 366,500
Professional Services	\$ 61,800	\$ 405,800	\$ 762,200	\$ 439,000	\$ 278,200	\$ 280,700	\$ 227,500	\$ 506,700	\$ 163,300	\$ 154,700
Operating Expenses (Misc)	\$ -	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,100	\$ 55,700	\$ 57,400	\$ 59,100	\$ 60,900
Operating Expenses (street sweeping (@ 25% of Total Street Sweeping Costs (approx \$200k)	\$ 24,600	\$ 50,600	\$ 52,200	\$ 53,700	\$ 55,300	\$ 57,000	\$ 58,700	\$ 60,400	\$ 62,300	\$ 64,100
On-Site Customer Resource Mgt. (2% of Gross Revs, Begining FY 20-21)	\$ -	\$ 25,200	\$ 35,300	\$ 45,300	\$ 45,300	\$ 50,400	\$ 50,400	\$ 50,400	\$ 50,400	\$ 50,400
Trash Device O&M & Disposal	\$ 24,450	\$ 50,400	\$ 58,700	\$ 74,500	\$ 91,200	\$ 161,000	\$ 234,900	\$ 313,100	\$ 395,700	\$ 441,100
Engineering Staffing Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public Works Staffing Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Outlay (Vehicles)	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 36,500	\$ -	\$ -	\$ -	\$ -
Capital Improvement Program (CMTC)	\$ -	\$ -	\$ 125,300	\$ 260,600	\$ 271,000	\$ 1,268,500	\$ 1,319,200	\$ 1,372,000	\$ 1,426,900	\$ 659,600
Capital Depreciation (Total)	\$ 6,000	\$ 6,000	\$ 8,500	\$ 13,700	\$ 19,100	\$ 45,800	\$ 72,200	\$ 99,600	\$ 128,100	\$ 141,300
Allocated Costs (New)	\$ 42,100	\$ 129,800	\$ 211,800	\$ 188,400	\$ 171,500	\$ 356,700	\$ 368,600	\$ 440,700	\$ 414,600	\$ 302,100
<b>Total New CMTC Program Costs</b>	<b>\$ 305,000</b>	<b>\$ 966,100</b>	<b>\$ 1,570,700</b>	<b>\$ 1,411,500</b>	<b>\$ 1,288,800</b>	<b>\$ 2,636,200</b>	<b>\$ 2,722,500</b>	<b>\$ 3,245,700</b>	<b>\$ 3,056,200</b>	<b>\$ 2,240,700</b>
<b>Capital Improvement - CMTC Program</b>										
<b>Total Expenses</b>	<b>\$ 305,000</b>	<b>\$ 966,100</b>	<b>\$ 1,570,700</b>	<b>\$ 1,411,500</b>	<b>\$ 1,288,800</b>	<b>\$ 2,636,200</b>	<b>\$ 2,722,500</b>	<b>\$ 3,245,700</b>	<b>\$ 3,056,200</b>	<b>\$ 2,240,700</b>
<b>CASH FLOW ADJUSTMENT FOR NON-CASH EXPENSES</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 8,500</b>	<b>\$ 13,700</b>	<b>\$ 19,100</b>	<b>\$ 45,800</b>	<b>\$ 72,200</b>	<b>\$ 99,600</b>	<b>\$ 128,100</b>	<b>\$ 141,300</b>
<b>NET REVENUE (Annual Performance)</b>	<b>\$ 141,700</b>	<b>\$ 298,800</b>	<b>\$ 200,300</b>	<b>\$ 868,300</b>	<b>\$ 996,400</b>	<b>\$ (72,600)</b>	<b>\$ (132,500)</b>	<b>\$ (628,300)</b>	<b>\$ (410,300)</b>	<b>\$ 418,400</b>
<b>ENDING FUND BALANCE (d)</b>	<b>\$ 141,700</b>	<b>\$ 440,500</b>	<b>\$ 640,800</b>	<b>\$ 1,509,100</b>	<b>\$ 2,505,500</b>	<b>\$ 2,432,900</b>	<b>\$ 2,300,400</b>	<b>\$ 1,672,100</b>	<b>\$ 1,261,800</b>	<b>\$ 1,680,200</b>
<b>ENDING FUND RESERVE GOAL (e)</b>	<b>\$ 1,150,000</b>	<b>\$ 1,480,000</b>	<b>\$ 1,790,000</b>	<b>\$ 1,710,000</b>	<b>\$ 1,640,000</b>	<b>\$ 2,320,000</b>	<b>\$ 2,360,000</b>	<b>\$ 2,620,000</b>	<b>\$ 2,620,000</b>	<b>\$ 2,620,000</b>

(a) New Rates Effective Jan 1, 2020 (6 Months in FY 19-20). Transfers to offset current cost to continue until revenue generation is adequate. Account growth assumed negligible to partially offset on-site bin size reductions.  
(b) No existing program costs.  
(c) New program costs include both new O&M and Capital. Allocated costs at 16%. Reserve funding costs not subject to allocated cost calculations.  
New system capital outlay based on 50 years depreciation. Vehicles depreciated over 5 years. On-Site customer resource mgt costs included to reflect bin size reductions and BMPs.  
(d) Ending fund balance includes reserve funding costs and depreciation expenses (non-cash expenditures).  
(e) Fund reserve goal based on: 50% of total program costs plus \$1M for capital/emergency reserve. Values are rounded at highest value required during planning period



Table 5

Proposed CMTC Rates, Revenues and Typical Bills  
California Mandated Trash Compliance (CMTC)

Date: 8/02/2019

City of Vista	YEAR 1 THROUGH 5 RATE PERIOD					YEAR 6 THROUGH 10 RATE PERIOD				
	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
Item										
CMTC Unit Costs (\$/Gallon)	\$0.001	\$0.004	\$0.006	\$0.006	\$0.005	\$0.010	\$0.011	\$0.013	\$0.012	\$0.009
CMTC Unit Rates (\$/Gallon)	\$0.003	\$0.005	\$0.007	\$0.009	\$0.009	\$0.010	\$0.010	\$0.010	\$0.010	\$0.010
CMTC Projected Revenue	\$755,400	\$1,258,900	\$1,762,500	\$2,266,100	\$2,266,100	\$2,517,800	\$2,517,800	\$2,517,800	\$2,517,800	\$2,517,800

Container Description	Number of Accounts (a)	Base Annual Bills (1 Container/ 1 Pick Up per Week)					Base Annual Bills (1 Container/ 1 Pick Up per Week)				
		FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
35 Gallon Container	2,177	\$5.46	\$9.10	\$12.74	\$16.38	\$16.38	\$18.20	\$18.20	\$18.20	\$18.20	\$18.20
95 Gallon Container	14,509	\$14.82	\$24.70	\$34.58	\$44.46	\$44.46	\$49.40	\$49.40	\$49.40	\$49.40	\$49.40
2 Yard Bin	173	\$63.02	\$105.03	\$147.04	\$189.05	\$189.05	\$210.05	\$210.05	\$210.05	\$210.05	\$210.05
3 Yard Bin	1,298	\$94.52	\$157.54	\$220.56	\$283.57	\$283.57	\$315.08	\$315.08	\$315.08	\$315.08	\$315.08
4 Yard Bin	99	\$126.03	\$210.05	\$294.07	\$378.10	\$378.10	\$420.11	\$420.11	\$420.11	\$420.11	\$420.11
5 Yard Bin	73	\$157.54	\$262.57	\$367.59	\$472.62	\$472.62	\$525.13	\$525.13	\$525.13	\$525.13	\$525.13
6 Yard Bin	1	\$189.05	\$315.08	\$441.11	\$567.14	\$567.14	\$630.16	\$630.16	\$630.16	\$630.16	\$630.16

Container Description	Number of Accounts (a)	Base Monthly Bills (1 Container/ 1 Pick Up per Week)					Base Monthly Bills (1 Container/ 1 Pick Up per Week)				
		FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
35 Gallon Container	2,177	\$0.46	\$0.76	\$1.06	\$1.37	\$1.37	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52
95 Gallon Container	14,509	\$1.24	\$2.06	\$2.88	\$3.71	\$3.71	\$4.12	\$4.12	\$4.12	\$4.12	\$4.12
2 Yard Bin	173	\$5.25	\$8.75	\$12.25	\$15.75	\$15.75	\$17.50	\$17.50	\$17.50	\$17.50	\$17.50
3 Yard Bin	1,298	\$7.88	\$13.13	\$18.38	\$23.63	\$23.63	\$26.26	\$26.26	\$26.26	\$26.26	\$26.26
4 Yard Bin	99	\$10.50	\$17.50	\$24.51	\$31.51	\$31.51	\$35.01	\$35.01	\$35.01	\$35.01	\$35.01
5 Yard Bin	73	\$13.13	\$21.88	\$30.63	\$39.38	\$39.38	\$43.76	\$43.76	\$43.76	\$43.76	\$43.76
6 Yard Bin	1	\$15.75	\$26.26	\$36.76	\$47.26	\$47.26	\$52.51	\$52.51	\$52.51	\$52.51	\$52.51

Container Description	Number of Accounts (a)	Avg Containers/PU's/Week (b)	Typical Annual Bills (X Container/ Y Pick Up per Week)					Typical Annual Bills (X Container/ Y Pick Up per Week)				
			FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
35 Gallon Container	2,177	1	\$5.46	\$9.10	\$12.74	\$16.38	\$16.38	\$18.20	\$18.20	\$18.20	\$18.20	\$18.20
95 Gallon Container	14,509	1	\$14.82	\$24.70	\$34.58	\$44.46	\$44.46	\$49.40	\$49.40	\$49.40	\$49.40	\$49.40
2 Yard Bin	173	1.8	\$113.43	\$189.05	\$264.67	\$340.29	\$340.29	\$378.10	\$378.10	\$378.10	\$378.10	\$378.10
3 Yard Bin	1,298	4	\$378.10	\$630.16	\$882.22	\$1,134.29	\$1,134.29	\$1,260.32	\$1,260.32	\$1,260.32	\$1,260.32	\$1,260.32
4 Yard Bin	99	3.7	\$466.32	\$777.20	\$1,088.07	\$1,398.95	\$1,398.95	\$1,554.39	\$1,554.39	\$1,554.39	\$1,554.39	\$1,554.39
5 Yard Bin	73	4.5	\$708.93	\$1,181.55	\$1,654.17	\$2,126.79	\$2,126.79	\$2,363.10	\$2,363.10	\$2,363.10	\$2,363.10	\$2,363.10
6 Yard Bin	1	3	\$567.14	\$945.24	\$1,323.33	\$1,701.43	\$1,701.43	\$1,890.48	\$1,890.48	\$1,890.48	\$1,890.48	\$1,890.48

Container Description	Number of Accounts (a)	Avg Containers/PU's/Week (b)	Typical Monthly Bills (X Container/ Y Pick Up per Week)					Typical Monthly Bills (X Container/ Y Pick Up per Week)				
			FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
35 Gallon Container	2,177	1	\$0.46	\$0.76	\$1.06	\$1.37	\$1.37	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52
95 Gallon Container	14,509	1	\$1.24	\$2.06	\$2.88	\$3.71	\$3.71	\$4.12	\$4.12	\$4.12	\$4.12	\$4.12
2 Yard Bin	173	1.8	\$9.45	\$15.75	\$22.06	\$28.36	\$28.36	\$31.51	\$31.51	\$31.51	\$31.51	\$31.51
3 Yard Bin	1,298	4	\$31.51	\$52.51	\$73.52	\$94.52	\$94.52	\$105.03	\$105.03	\$105.03	\$105.03	\$105.03
4 Yard Bin	99	3.7	\$38.86	\$64.77	\$90.67	\$116.58	\$116.58	\$129.53	\$129.53	\$129.53	\$129.53	\$129.53
5 Yard Bin	73	4.5	\$59.08	\$98.46	\$137.85	\$177.23	\$177.23	\$196.92	\$196.92	\$196.92	\$196.92	\$196.92
6 Yard Bin	1	3	\$47.26	\$78.77	\$110.28	\$141.79	\$141.79	\$157.54	\$157.54	\$157.54	\$157.54	\$157.54

(a) Source: EDCO customer account data.

(b) Average containers and pick ups per week based on EDCO account data per container size