NOTICE OF SPECIAL MEETING

Pursuant to Section 54956 of the Government Code of the State of California, a Special meeting of the **Tracy City Council** is hereby called for:

Date/Time: Tuesday, November 2, 2021, 5:30 p.m.

(or as soon thereafter as possible)

Location: Tracy City Hall

333 Civic Center Plaza, Tracy, CA.

Government Code Section 54954.3 states that every public meeting shall provide an opportunity for the public to address the Tracy City Council on any item, before or during consideration of the item, however no action shall be taken on any item not on the agenda.

This meeting will be open to the public for in-person and remote participation. In accordance with the California Department of Public Health Guidelines, universal masking indoors is recommended. Masks are required for unvaccinated individuals in indoor public settings. Members of the public may participate remotely in the meeting via the following method:

For Remote Public Comment:

During the Items from the Audience, public comment will be accepted via the options listed below. If you would like to comment remotely, please follow the protocols below:

- Comments via:
 - Online by visiting https://cityoftracyevents.webex.com and using the following
 Event Number: 2558 378 0765 and Event Password: TracyCC
 - If you would like to participate in the public comment anonymously, you
 may submit your comment via phone or in WebEx by typing "Anonymous"
 when prompted to provide a First and Last Name and inserting
 Anonymous@example.com when prompted to provide an email address.
 - Join by phone by dialing +1-408-418-9388, enter 25583780765#8722922#
- Protocols for commenting via WebEx:
 - If you wish to comment under "Items from the Audience/Public Comment" portion of the agenda:
 - Listen for the Mayor to open "Items from the Audience/Public Comment", then raise your hand to speak by clicking on the Hand icon on the Participants panel to the right of your screen.
 - If you no longer wish to comment, you may lower your hand by clicking on the Hand icon again.
 - o Comments for the "Items from the Audience/Public Comment" will be accepted until the public comment period is closed.
- The total allotted time for public comment under "Items from the Audience/Public Comment" will be 15 minutes.

Date Posted: October 28, 2021

November 2, 2021 Special Meeting Page 2

- 1. Call to Order
- 2. Roll Call
- 3. Items from the audience *In accordance with <u>Council Meeting Protocols and Rules of Procedure</u>, adopted by Resolution 2019-240, a five-minute maximum time limit per speaker will apply to all individuals speaking during "Items from the Audience/Public Comment". For non-agendized items, Council Members may briefly respond to statements made or questions posed by individuals during public comment; ask questions for clarification; direct the individual to the appropriate staff member; or request that the matter be placed on a future agenda or that staff provide additional information to Council.*
- 4. WORKSHOP TO CONSIDER A PROPOSED INCREASE TO SOLID WASTE RATES AND AUTHORIZE STAFF TO HOLD A PUBLIC HEARING FOR THE ADOPTION OF PROPOSED SOLID WASTE RATES
- 5. Council Items and Comments
- 6. Adjournment

Maney D. Young

Mayor

Posting Date: October 28, 2021

The City of Tracy is in compliance with the Americans with Disabilities Act and will make all reasonable accommodations for the disabled to participate in employment, programs and facilities. Persons requiring assistance or auxiliary aids in order to participate, should contact the City Manager's Office at (209) 831-6000 at least 24 hours prior to the meeting.

AGENDA ITEM 4

REQUEST

WORKSHOP TO CONSIDER A PROPOSED INCREASE TO SOLID WASTE RATES AND AUTHORIZE STAFF TO HOLD A PUBLIC HEARING FOR THE ADOPTION OF PROPOSED SOLID WASTE RATES

EXECUTIVE SUMMARY

In 2019, the City obtained the services of HF&H Consultants, LLC to perform a solid waste rate study. The purpose of the study was to analyze the increase in service costs for the collection and processing of refuse, recycling, and organics within the City. Also included in the study is the fiscal impact that California Senate Bill (SB) 1383 (mandatory organics recycling) and other State mandates have on the cost of operations.

Comparing the revenue required to cover the cost of providing service with the revenue from current rates indicates the need for rate increases. The rate increases are necessary for several reasons: the City's solid waste rates were last adjusted in January 2012, the service area has increased due to the City's expansion, the cost of collection of solid waste has increased, there have been significant drops in the recycling market, and new State-mandated diversion programs require additional funding.

DISCUSSION

The City of Tracy currently has a Franchise Agreement with Tracy Delta Disposal Service Inc. (Tracy Disposal) for the collection, transportation, and disposal of solid waste within the City. The City also maintains a Service Agreement with Tracy Material Recovery and Solid Waste Transfer, Inc. (Tracy MRF) for material acceptance, processing, and transfer services. The City provides customer service and billing services to the City's solid waste customers and contracts with Tracy Disposal to provide all residential and commercial solid waste, recycling, and organics collection and related transportation, material processing, and disposal services.

SB 1383, passed in 2016 with final regulations adopted in 2020, focuses on the reduction of methane emitted into the atmosphere. The regulations require organics to be diverted from landfills. Organics, as defined in the regulations, include food scraps, yard trimmings, paper, cardboard, and other compostable and recyclable materials. Organic materials will need to be separately collected from the City's generators/customers. For the City, this represents a significant change to current collection practices and is a major driver of the necessary fee increases.

In order to comply with the requirements of SB 1383, additional State mandates, and the increase in cost of service, the City is requesting a rate increase to cover these and other program needs. As a result of the multiple changes needed to implement SB 1383, cities all over the State are expected to increase their solid waste rates. The League of California Cities sent out a survey asking jurisdictions how many of them are expecting to increase their solid waste and recycling rates in the next three years. The

Agenda Item 4 November 2, 2021 Page 2

results of the survey are from May 13, 2021, and of the 160 cities that participated in the survey, 50% of the cities are expected to raise their rates anywhere from 11% to 30%, while an additional 11.25% of the cities are expected to raise their rates from 41% to over 100%.

One of the most significant changes within the Solid Waste and Recycling program is the disposal of food waste. The City's residents currently include food waste in the garbage container. Effective January 1, 2022, food waste will not be allowed to be disposed of in the garbage container as per SB 1383 requirements. Rather, residential food waste will have to be placed in the same container as yard waste. Due to the nature of food waste, new non-vented containers are required to provide sanitary disposal of organic materials. This change also requires weekly collection of organics resulting in increased collection and processing costs. The additional costs will include the cost of added labor, maintenance, and vehicle purchases for Tracy Disposal to switch from every *other* week, to *every* week organics collection.

Currently, the residential recycling container is collected on a bi-weekly schedule. In order to eliminate confusion to customers about which containers should be placed in the street for collection, and encourage increased participation in recycling as mandated by Cal Recycle, the recycling container, in addition to the organics container, will also now be collected on a weekly basis.

A vehicle impact analysis was included to determine the cost impact due to the increase in large vehicle traffic on City streets. The analysis identified approximately \$2,057,700 per year in street impacts associated with the City's Refuse Vehicle traffic. In the past, Solid Waste fees did not include this calculation. In order to aid in protecting and improving roadway conditions within the City, and ensuring the impacts on City streets from refuse truck traffic is mitigated, it is vital to implement the practice of including these costs within the rates. Without sufficient funding, delays in preventative maintenance increase the quantity and severity of pavement defects, and result in higher costs during pavement life. Consequently, using only a routine and reactive approach will considerably increase the lifecycle costs of the pavement. ¹

The requirements and complexities of SB 1383 necessitate additional education, participation, monitoring, and enforcement to meet State mandates. An additional position is included in the study to provide these and other services to residents and businesses in the City.

The fee study has also factored in additional benefits and services the residents will receive from the Solid Waste program. There are currently several recycling events and services that are available to residents on an annual basis. These events include household hazardous waste disposal, electronic waste recycling, free compost pick-up, and document shredding. Services such as battery recycling, medicinal and sharps disposal, appliance vouchers to dispose of appliances at no additional charge, and an annual pickup of bulky items are available to residents. Coordination and promotion of the popular citywide garage sales is also included. The proposed increased rates will allow the continuation and expansion of these services and other programs offered to residents and businesses.

¹ <u>A Pavement Preventative Maintenance Program</u>; Larry Galehouse, P.E., L.S.; Michigan Department of Transportation.

Also included in the proposed rate structure is a closure in the funding gap between revenues and basic costs of operations. Comparing the revenue required to cover the cost of providing service with the revenue from current rates indicates the need for rate increases. Since the last rate increase in January 2012, the cost of service has increased substantially. The proposed increases are projected to generate the additional needed revenue to close this expanding gap.

In recognition of the impacts the rate increases will have on customers, the Solid Waste and Recycling program's reserve fund has been incorporated into the proposed rates for the first two years to smooth the implementation process and lighten the initial burden on rate payers. The proposed base residential service cost increase for 60-gallon and 90-gallon containers are as follows:

	Projected Cost of Service and Proposed Monthly Rate Increase												
Solid Waste, Recycling, and Organics (Residential)	Current Rates	FY 21/22	\$ Change	FY 22/23	\$ Change	FY 23/24	\$ Change	FY 24/25	\$ Change	FY 25/26	\$ Change		
60-Gallon Container*	\$36.50	\$44.38	+ \$7.88	\$52.35	+ \$7.96	\$61.18	+ \$8.83	\$65.75	+ \$4.56	\$70.40	+ \$4.66		
90-Gallon Container*	\$43.20	\$52.57	+ \$9.37	\$60.87	+ \$8.30	\$70.21	+ \$9.35	\$75.50	+ \$5.29	\$80.89	+ \$5.39		
*Only applicable for Res	Only applicable for Residential Customers. Includes a 90 Gallon Recycling and a 90 Gallon Organics container.												

The fiscal impact from State mandates, including SB 1383 and the California Air Resources Board which requires the reduction of diesel particulate matter emissions make up a majority of the rate increase in the first two years. The updated service costs also include increases in labor costs and the impacts of expanding service areas due to growth which consequently requires additional equipment and personnel. The impacts of each of these categories to the overall increase is reflected below and corresponds with the cost changes for 60-Gallon Containers shown in the previous table.

Projected Rate Increase per Category											
Residential Increase											
State Mandates	\$6.65	\$4.62	\$0.48	\$0.24	\$0.25						
Service Costs	\$1.24	\$3.34	\$8.35	\$4.32	\$4.41						
Total Increase	+ \$7.88	+ \$7.96	+ \$8.83	+ \$4.56	+ \$4.66						

When residents sign up for garbage service, they have the option of receiving a 60-gallon or a 90-gallon container for refuse. Each resident also received a 90-gallon container for recycled materials and a 90-gallon container for yard waste, regardless of the container size they have for refuse. Residents also have the option to add additional containers for their use. Currently, residents are not charged for having an additional recycling container but there is a charge for having an additional yard waste container.

As part of the proposed rates, the cost of servicing the additional containers will be charged to the customer. The charges to residential customers for these additional containers will be as follows:

Rates for Additional Carts											
Residential Increase Current Rate FY 21/22 FY 22/23 FY 23/24 FY 24/25 FY 25/2											
Recycle Container*		\$4.27	\$5.64	\$6.05	\$6.66	\$7.29					
Organics Container*	\$8.70	\$7.77	\$9.94	\$10.54	\$11.35	\$12.18					
*The same rate applies to b	*The same rate applies to both 60-gallon and 90-gallon customers.										

Upon direction by the City Council, staff will hold a public hearing and will send notification of the public hearing and proposed rate increase to property owners and tenants (if different from the property owner). After the required 45-day notification period, a public hearing will be held to adopt the proposed solid waste rates. The rates are anticipated to become effective beginning January 1, 2022 with an increase each January 1st in the subsequent years with the last scheduled increase on January 1, 2026.

FISCAL IMPACT

The Solid Waste and Recycling program's reserves will be used for the first two fiscal years to decrease the impact to the City's rate payers. In doing so, the reserves will decrease by \$2,500,000 in FY 21/22 and FY 22/23. Following the use of the current reserves for the first two years, the remaining reserves are estimated to be \$5,000,000, approximately two months of operating expenditures.

With the new rate increase, the City will receive approximately \$600,000 annually to fund new solid waste-related programs and enhancements to the Community Preservation programs. Additionally, Franchise fees are expected to increase by approximately \$300,000 in FY 21/22. The City will also have the ability to recover costs related to the wear and tear on City streets from solid waste collection vehicles. The total annual financial impact is \$2,057,000 and will be phased over the five-year rate setting period.

STRATEGIC PLAN

This agenda item supports the City's Governance Strategic Priority:

Governance Strategy

Goal 2: Ensure short and long-term fiscal health

Objective 6: Complete rate and fee studies: Solid Waste, Wastewater, Citywide, Core Fees. Master Impact Fees

Agenda Item 4 November 2, 2021 Page 5

RECOMMENDATION

It is recommended that City Council consider a proposed increase to the solid waste rates and make a motion to direct staff to distribute notification to property owners of the proposed solid waste rate increase in accordance with Proposition 218.

Prepared by: Connie Vieira, Management Analyst II

Reviewed by: Don Scholl, Director of Public Works

Karin Schnaider, Director of Finance Midori Lichtwardt, Assistant City Manager

Approved by: Bob Adams, Interim City Manager

<u>ATTACHMENTS</u>

Attachment A – HF&H Consultants, LLC Solid Waste Cost of Service and Rate Study Attachment B – Solid Waste Rate Study PowerPoint Presentation

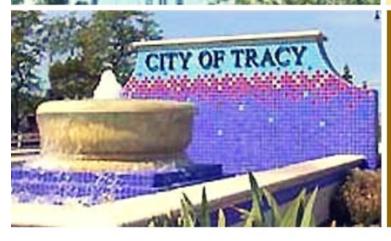




CITY OF TRACY SOLID WASTE RATE STUDY







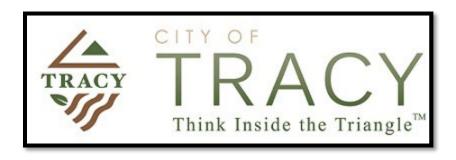


October 26, 2021

CITY OF TRACY

520 TRACY BLVD

TRACY, CA 95376



SOLID WASTE RATE STUDY

October 26, 2021

HF&H CONSULTANTS, LLC

201 North Civic Drive, Suite 230 Walnut Creek, CA 94596





201 N. Civic Drive, Suite 230 Walnut Creek, California 94596 Telephone: 925/977-6950 www.hfh-consultants.com

Robert D. Hilton, Emeritus John W. Farnkopf, PE Laith B. Ezzet, CMC Richard J. Simonson, CMC Marva M. Sheehan, CPA Robert C. Hilton, CMC

October 26, 2021

Ms. Connie Vieira Management Analyst **Public Works Department** City of Tracy 520 Tracy Boulevard Tracy, CA 95376

Subject: **Solid Waste Rate Study**

Dear Ms. Vieira,

HF&H Consultants, LLC (HF&H) is pleased to submit this Solid Waste Rate Study report to the City of Tracy (City). The report begins with determining how much projected revenue is needed from solid waste, recycling and Organic rates during the next five years, Fiscal Year 2021-2022 through Fiscal Year 2025-2026. The report then describes how the revenue is apportioned between customers receiving bin, cart, and roll off service. The report concludes with a discussion of the rate design that is appropriate for each class to ensure that customers are paying their proportionate share.

The report reflects input from the City and Tracy Delta Solid Waste Management, Inc. (Tracy Disposal) staff in refining the rates. The resulting rate increases are necessary for several reasons: (1) the City's rates have not been adjusted in over nine years (2) the cost of collection of solid waste has increased; and (3) new State-mandated diversion programs require additional funding.

We are pleased to have had the opportunity to assist the City with this study and would like to thank you for your support during the project.

If you have any questions, please call Marva at (925) 977-6961 or Scott at (925) 977-6967.

Very truly yours, HF&H CONSULTANTS, LLC

Marva M. Sheehan, CPA

Vice President

Scott Holt **Project Manger** This page intentionally left blank

TABLE OF CONTENTS

	CUTIVE SUMMARY	
	•	
Study Purpose and Objectives. Findings and Recommendations SECTION 1. INTRODUCTION		
SEC	TION 2. REVENUE REQUIREMENT PROJECTIONS	
	.	
SEC	TIONE CHETOMED DILL IMDACTE	
OLO	TION 5. CUSTOWER BILL IMPACTS	
OLO	TION 5. CUSTOMER BILL IMPACTS	
		22
		22
API	PENDICES	22
AP I A-1	PENDICES Rate Model Summary	24
API A-1 A-2	PENDICES Rate Model Summary Cart Cost of Service Calculations	
API A-1 A-2	PENDICES Rate Model Summary Cart Cost of Service Calculations	
API A-1 A-2 A-3	PENDICES Rate Model Summary Cart Cost of Service Calculations Monthly Cart Rates – Cost of Service	
API A-1 A-2 A-3 A-4	PENDICES Rate Model Summary Cart Cost of Service Calculations Monthly Cart Rates – Cost of Service Solid Waste Bin Cost of Service Calculations	
API A-1 A-2 A-3 A-4 A-5	PENDICES Rate Model Summary Cart Cost of Service Calculations Monthly Cart Rates – Cost of Service Solid Waste Bin Cost of Service Calculations Recycling Bin Cost of Service Calculations	
API A-1 A-2 A-3 A-4 A-5 A-6	PENDICES Rate Model Summary Cart Cost of Service Calculations Monthly Cart Rates – Cost of Service Solid Waste Bin Cost of Service Calculations Recycling Bin Cost of Service Calculations Organics Bin Cost of Service Calculations	
API A-1 A-2 A-3 A-4 A-5 A-6 A-7	PENDICES Rate Model Summary Cart Cost of Service Calculations Monthly Cart Rates – Cost of Service Solid Waste Bin Cost of Service Calculations Recycling Bin Cost of Service Calculations Organics Bin Cost of Service Calculations Monthly Bin Rates – Cost of Service	
API A-1 A-2 A-3 A-4 A-5 A-6 A-7	PENDICES Rate Model Summary Cart Cost of Service Calculations Monthly Cart Rates – Cost of Service Solid Waste Bin Cost of Service Calculations Recycling Bin Cost of Service Calculations Organics Bin Cost of Service Calculations Monthly Bin Rates – Cost of Service Roll Off Cost of Service Calculations	

i

ACRONYMS/DEFINITIONS

Bin (Hoppers) Container provided by the City through partnership with Tracy Disposal and are

usually made from metal. Tracy Disposal provides its bin customers with solid waste collection service at varying frequencies in a range of container sizes to meet each customer's needs. These customers are charged a monthly rate based on their subscription level (e.g., one cubic yard bin, serviced one time per week; three cubic yard bin, serviced three times per week) or a per-pickup rate for on-

call services.

Cart (Toters) Container provided by the City through partnership with Tracy Disposal and are

usually made from plastic with wheels for portability. Tracy Disposal provides its cart customers with solid waste collection in either 60-, or 90-gallon carts. As part of its contract with the City, Tracy Delta Solid Waste Management Inc. provides collection in 96-gallon recycling carts and 96-gallon yard waste carts to residential

and commercial customers.

City City of Tracy

COS Cost-of-service

ECU Equivalent container unit

ECF Equivalent container factor

Fixed Collection Costs Costs not dependent on the subscribed volume of service.

Food Waste Residential and commercial putrescible food waste materials

Frequency Surcharge Additional cost for receiving service multiple times per week. Routing is

negatively impacted when trucks must return to areas previously serviced.

FTE Full time equivalent

FY Fiscal year

MSW Municipal solid waste

Organics Material includes yard waste and food scraps.

Rate The rate charged to each customer based on size of container and frequency of

service.

Rate Model The part of the Solid Waste Rate Study where the rates are developed and

modeled to meet the City's desired results.

Roll-Off Container provided by the City through partnership with Tracy Disposal or self-

owned by the commercial customer made from metal. Tracy Disposal provides its roll-off customers with solid waste, recycling, construction and demolition, or

yard waste collection service in a range of container sizes to meet each customer's needs. These customers are charged a per-pickup rate for on-call services based on their debris box size (e.g., 10 cubic yard bin, 20 cubic yard compactor bin, and 40 cubic yard self-contained compactor bin).

Rate Study Solid Waste Rate Study performed to develop the appropriate rates for the

collection, processing and disposal of solid waste, recyclables and organic

materials to meet the City's revenue requirements.

SFR Single-family residential

Tracy Disposal Tracy Delta Solid Waste Management Inc., the City's franchisee for the collection,

transportation, and disposal of refuse and garbage, including the collection of

recyclable material, in the City.

Volumetric charge The variable costs associated with the size of the container subscribed to by

residential, multi-family or commercial customers.

Yard Waste Biodegradable materials such as leaves, grass, weeds, and wood materials from

trees and shrubs.

LIMITATIONS

This Solid Waste Rate Study (Rate Study) was prepared solely for the City in accordance with the contract between the City and HF&H and is not in intended for use by any other party for any other purpose.

In preparing the Rate Study, HF&H relied on information and instructions from the City and Tracy Disposal and Tracy Material Recovery & Solid Waste Transfer, Inc., which we consider to be accurate and reliable and did not independently verify.

For purposes of the Rate Study, and clarity of this report, a 3% annual inflation factor was applied to operating and overhead costs. Annual growth factors were applied to residential, commercial, and roll-off, per direction of the City.

The Rate Study with its accompanying analyses contain projections of revenues and expenditures based on various assumptions and estimates provided by the City, Tracy Disposal and Tracy Material Recovery & Solid Waste Transfer, Inc. While we reviewed those projections for reasonableness, actual results of operations will usually differ from projections because events and circumstances do not always occur as expected. Those differences may be significant and materially affect the analyses and findings presented in this report.

Rounding differences caused by stored values in electronic models may exist.

The Rate Study addresses relevant laws, regulations, and court decisions but should not be relied upon as legal advice. Questions concerning the interpretation of legal authorities referenced in this study should be referred to a qualified attorney.



Solid Waste Rate Study and Report

EXECUTIVE SUMMARY

The City of Tracy's (City) Public Works Department oversees solid waste services to the City's residents and businesses in partnership with Tracy Delta Solid Waste Management, Inc. (Tracy Disposal) and Tracy Material Recovery Facility and Solid Waste Transfer, Inc.

The City provides customer service and billing services to the City's solid waste customers and contracts with Tracy Disposal to provide all residential and commercial solid waste, recycling, and Organics collection and related transportation, material processing, and disposal services.

In order to increase rates for these services, the City intends to comply with Article XIIID, Section 6 of the California Constitution, which was enacted by Proposition 218 in 1996. This Section requires that (1) revenues derived from fees or charges for property-related service not exceed the cost to provide service; (2) revenues derived from fees or charges not be used for any purpose other than that for which it was imposed; (3) the amount of a fee or charge upon an account not exceed the proportional cost of the service attributable to the parcel; (4) no fee or charge may be imposed for a service unless that service is actually used by, or immediately available to, the owner of the property; and, (5) no fee or charge may be imposed for general governmental services. The analysis conducted in support of this study was founded on legal direction related to Proposition 218, which was provided by City's legal counsel.

Study Purpose and Objectives

The purpose of this Solid Waste Rate Study (Rate Study) is to conduct a comprehensive analysis of the City's solid waste, recyclables and Organics collection rates, including documentation of the analysis, underlying assumptions, and the rationale for the recommended rates.

This Rate Study has several key objectives:

- Determine revenue that is necessary to meet the City's requirements, including operations and maintenance, capital improvement, and maintaining an adequate reserve fund;
- Determine the cost of service attributable to each parcel based upon the subscribed service level;
 and,
- Ensure that the proposed rate structure is compatible with Proposition 218 mandates.

These objectives are met by applying industry best practices and by complying with all applicable laws.

Findings and Recommendations

In preparing the Rate Study, the following findings were made.

1. Operating cost increases / decreases.

a. SB 1383 requires the City to remove organic materials from its disposed refuse effective January 1, 2022. To comply with the legal requirements, the City will have to require customers to combine Food Waste and Yard Waste in Organics carts and collect the Organics carts every week, rather than the current practice of every other week, beginning on January 1, 2022. The additional costs to provide weekly organics collection have been included in the Rate Study.

Solid Waste Rate Study and Report

b. A Refuse Vehicle Road Impact Study was performed in early 2020 to determine the cost impact of the solid waste, recyclables and Organics collection vehicles operating on the City's streets. The financial impact attributable to the solid waste, recyclables, and Organics collection trucks is \$2,057,000, annually. City staff has elected to phase the costs into the rates over the 5-year rate setting period (\$411,540 each year).

- c. The Rate Study includes additional costs as recommended by the City for code enforcement, community preservation, illegal dumping, and homeless encampment cleanup.
- d. The Rate Study includes the additional costs to provide weekly collection of residential curbside recycling.
- e. City staff has elected to use \$2,500,000 of fund balance reserves in FY 21/22 and FY 22/23 (\$5,000,000 total) to mitigate the rate increases necessary in those years.

2. Projected revenue increases.

The Rate Study projected increasing rates to generate additional overall revenue to cover the recent cost increases and revenue shortfall. Comparing the revenue required to cover the cost of providing service with the revenue from current rates indicates the need for rate increases sufficient to generate additional revenue as follows:

```
January 2021 – 23.7% (with use of fund balance reserves) 
January 2022 – 12.9% (with use of fund balance reserves) 
January 2023 – 16.9% 
January 2024 – 8.5\% 
January 2025 – 8.2\%
```

The percentage increases reflect system-wide increases rather than increases for each material type collected, subscription level, or customer class. It should be noted the projected revenue increase for 2023 includes the annual cost inflators as well as absorbing the costs that were offset with fund balance reserves in the prior two years.

The rate adjustment period for the Rate Study has been changed from fiscal year (July – June) to calendar year (January – December). For reporting purposes, we are using fiscal year (FY XX/XX) to reflect the years with the understanding the adjustments will take place January 1 each year.

3. Revenue increases by customer class and by material type.

Customer classes for the purpose of the Rate Study are "cart" customers comprised of both residential and commercial customers, "bin" customers, and "roll-off" customers based on the type of container used. **Figure ES-1** compares the revenue from current rates and the cost to provide service, by customer class, material type, and container type. The COS includes projected growth and inflation as noted in the limitations. This figure indicates how much revenue is needed from service charges, from each customer class, to generate the 23.7% additional overall revenue needed in FY 21/22. As shown, the revenue increase varies by customer class, a 19.4% increase needed in cart rate revenue, a 5.4% increase in bin rates with the largest increase to roll-off customers at 52.8%. An intrinsic part of the Rate Study was to reallocate costs based on material type collected and size of container resulting in different increases by customer class.

Solid Waste Rate Study and Report

Figure ES 1
Current Rate Revenue Compared with the Cost of Service
(FY 21/22)

				۱	~ ± ,					
Service Class		evenue at		Cost of Service*				oifference COS less Current		
Components	Cu	rrent Rates					Revenue			
Carts										
Solid Waste	\$	11,058,260	53.6%	\$	8,158,232	32.0%	\$	(2,900,028)		
Recycling		42,118	0.2%		1,904,580	7.5%	\$	1,862,462		
Organics		34,007	0.2%		3,227,154	12.6%		3,193,147		
	\$	11,134,384	53.9%	\$	13,289,966	52.0%	\$	2,155,582	19.4%	
Bins										
Solid Waste	\$	4,671,098	22.6%	\$	4,985,945	19.5%	\$	314,848	6.7%	
Recycling		145,222	0.7%		66,724	0.3%	\$	(78,498)	-54.1%	
Organics		23,962	0.1%		48,041	0.2%		24,079	100.5%	
	\$	4,840,281	23.4%	\$	5,100,710	20.0%	\$	260,429	5.4%	
Roll-Off										
Solid Waste	\$	4,262,229	20.6%	\$	6,622,102	25.9%	\$	2,359,873	55.4%	
C&D		401,373	1.9%	\$	505,524	2.0%	\$	104,151	25.9%	
Organics		3,364	0.0%	\$	4,937	0.0%		1,572	46.7%	
Wood		6,646	0.0%	\$	10,445	0.0%		3,800	57.2%	
	\$	4,673,612	22.6%	\$	7,143,008	28.0%	\$	2,469,396	52.8%	
Total	\$	20,648,277	100.0%	\$	25,533,684	100.0%	\$	4,885,407	23.7%	

^{*}Includes 2% projected subscription growth for residential accounts, a 4.5% increase for commercial accounts, and 3% annual inflation

Solid Waste Rate Study and Report

4. **Monthly rate increases.** To generate the necessary annual percentage increases in revenue summarized in Item #2 above, monthly rates for both cart and bin service require changes over the next five years. The current and COS-based rates for the most commonly subscribed services are summarized in **Figure ES-2**. Note that the COS rate years include growth and inflation adjustments as noted in the limitations. The City currently offers a monthly rate for bundled solid waste, recycling, and Organics cart collection service for residential customers. The City also offers monthly and per pick-up rates for commercial solid waste, recycling, and Organic bin service, and a bundled recycling and Yard Waste cart collection service for commercial carts. The full rate schedules are included in the Appendices (A-3, A-7, A-9, and A-10).

Figure ES-2
Current and Cost of Service Based Monthly Rates
(Serviced 1 Time per Week)

(Services 2 Time per veek)												
Solid Waste, Recycling, and Organics	Current Rates	FY 21/22	\$ Change	FY 22/23	\$ Change	FY 23/24	\$ Change	FY 24/25	\$ Change	FY 25/26	\$ Change	
60 Gallon Cart* 90 Gallon Cart*	\$ 36.50 \$ 43.20	\$ 44.38 \$ 52.57	\$ 7.88 \$ 9.37	\$ 52.35 \$ 60.87	\$ 7.96 \$ 8.30	\$ 61.18 \$ 70.21	\$ 8.83 \$ 9.35	\$ 65.75 \$ 75.50	\$ 4.56 \$ 5.29	\$ 70.40 \$ 80.89	\$ 4.66 \$ 5.39	
**Only applicable for Residential Customers. Includes a 96 Gallon Recycling and 96 Gallon Organics carts.												
Solid Waste	Current Rates	FY 21/22	\$ Change	FY 22/23	\$ Change	FY 23/24	\$ Change	FY 24/25	\$ Change	FY 25/26	\$ Change	
60 Gallon Cart*	\$ 39.70	\$ 23.05	\$(16.65)		\$ 1.69	\$ 29.03	\$ 4.29	\$ 31.23	\$ 2.20	\$ 33.48	\$ 2.25	
90 Gallon Cart*	\$ 51.85	\$ 31.23	\$(20.62)		\$ 2.02	\$ 38.06	\$ 4.81	\$ 40.99	\$ 2.93	\$ 43.97	\$ 2.98	
1.5 Yard Bin	\$ 148.20	\$ 205.94	\$ 57.74	\$ 215.20	\$ 9.26	\$ 264.40	\$ 49.19	\$ 271.00	\$ 6.60	\$ 277.86	\$ 6.87	
2 Yard Bin	\$ 191.85	\$ 235.71	\$ 43.86	\$ 246.35	\$10.64	\$ 297.03	\$ 50.68	\$ 305.69	\$ 8.65	\$ 314.62	\$ 8.93	
3 Yard Bin	\$ 257.55	\$ 297.16	\$ 39.61	\$ 310.74	\$13.58	\$ 364.61	\$ 53.87	\$377.72	\$ 13.11	\$ 391.13	\$ 13.41	
4 Yard Bin	\$ 322.65	\$358.61	\$ 35.96	\$ 375.12	\$16.52	\$ 432.18	\$ 57.05	\$ 449.75	\$ 17.57	\$ 467.64	\$ 17.89	
6 Yard Bin	\$ 440.55	\$ 492.97	\$ 52.42	\$ 516.45	\$23.49	\$ 581.12	\$ 64.66	\$ 609.68	\$ 28.56	\$ 638.60	\$ 28.92	
* Only applicable for Commerc	5 Yard Bin \$ 440.55 \$ 492.97 \$ 52.42 \$ 516.45 \$23.49 \$ 581.12 \$ 64.66 \$ 609.68 \$ 28.56 \$ 638.60 \$ 28.92 \$ 60ly applicable for Commercial Customers. Does not include recycling or Organics.											

5. **Reserve Fund Balance.** The City's projected reserve fund balance as of June 30, 2021, is \$10,247,000. The reserve fund balance may be used to assist in implementation of new programs such as those required by SB 1383, help offset future rate increases, or used in an emergency for unforeseen events. Currently the fund balance is sufficient to provide funding for approximately 4-5 months of operations. After using \$5,000,000 of reserves in FY 21/22 and FY 22/23, the reserve fund balance, to phase-in the rate impact of increased costs and revenue shortfall, the City's fund balance is projected to be approximately \$5,000,000, roughly two (2) months of operations.

SECTION 1. INTRODUCTION

The City's Public Works Department oversees solid waste services to the City's residents and businesses in partnership with Tracy Disposal. The City provides customer service and billing services to the City's solid waste customers and contracts with Tracy Disposal to provide all residential and commercial solid waste, recycling, and yard waste collection and related transportation, material processing, and disposal services.

In 2019, the City requested HF&H to assist with developing a COS model and rate structure based on the level of service received by each customer class. Since that time, HF&H, City staff and Tracy Disposal have worked together in developing the Rate Study. The purpose of this report is to document the analysis and summarize our assumptions, findings, and recommendations.

The report is organized to explain how the revenue requirements are determined over the next five years. As part of the documentation, this report includes a copy of the spreadsheet model that was used to derive rates (See Attachments).

Study Purpose

The main purpose of this Rate Study is to document that the City's rates comply with the relevant laws in California for setting solid waste, recyclables and Organics collection rates. Another key purpose is to ensure that the rates generate sufficient revenue to fund the City's operating and capital costs as well as to maintain adequate reserves.

Current Rates

The City's solid waste accounts are billed through the City's Utility Billing System.

The City's single-family rate payers pay one monthly charge for collection and disposal/processing service of solid waste, recycling, and yard waste. Extra recycling carts are available at no charge. Extra yard waste carts are available for an additional charge.

The City's commercial and multi-family rate payers pay one monthly charge for collection and disposal service of solid waste but pay separately for recycling and organics bins. The only bundled rate for commercial and multi-family customers is for a recycling and yard waste cart combination.

The City's Low Income Assistance program currently provides rate relief for low-income senior and low-income disabled customers. Approximately 7% of the 60 gallon residential customers and 3.5% of the 90 gallon residential customers participate in the program. The program is paid through the use of non-rate revenues.

According to the City's franchise agreement with Tracy Disposal, the rates shall be periodically adjusted by the City as needed to ensure sufficient funding for the City to meet all its financial and other obligations under the franchise agreement. The last rate increase was on January 1, 2012. Significant time has passed since the last rate increase that the cost of providing service to the City's customers has increased significantly, both in total and between customer classes, and the current rates no longer reflect the current cost to provide collection, processing, and disposal service.

The current rates for one time per week service are summarized in Figures 1-1, 1-2, and 1-3.

Figure 1-1 – Residential Cart Rates

RESIDENTIAL REFUSE, RECYCLING, AND Organics RATES										
Subscription Levels	Curre	nt Monthly	E	xtra	Extra					
Subscription Levels		Rate	Red	cycling	Organics					
60 Gallon Refuse										
96 Gallon Recycling	\$	36.50	\$	-	\$	8.70				
96 Gallon Organics										
90 Gallon Refuse										
96 Gallon Recycling	\$	43.20	\$	-	\$	8.70				
96 Gallon Organics										

Figure 1-2 – Commercial Cart Rates

COMMERCIAL REFUSE, RECYCLING, AND Organics RATES										
Subscription Levels	Current Monthly Rate		Combination Recycling & Organics		g & Ex		Extra Organics			
60 Gallon Refuse	\$	39.70	\$	43.60	\$	ı	\$	8.70		
90 Gallon Refuse	\$	51.58	\$	43.60	\$	•	\$	8.70		

Figure 1-2 Bin and Roll-Off Rates **

REFUSE .	REFUSE AND RECYCLING BIN RATES									
Subscription Levels	Curi	rent Monthly Rate	Te	emporary Per Load Rate						
REFUSE										
1.5 Yards	\$	148.20	\$	40.65						
2 Yards	\$	191.58	\$	55.10						
3 Yards	\$	257.55	\$	77.70						
4 Yards	\$	322.65	\$	99.80						
6 Yards	\$	440.55	\$	140.05						
RECYCLING		•								
1.5 Yards	\$	130.90	\$	35.55						
2 Yards	\$	169.70	\$	48.50						
3 Yards	\$	226.00	\$	68.70						
4 Yards	\$	280.40	\$	88.45						
6 Yards	\$	377.15	\$	124.55						
	ROLI	-OFF RATES*								
Subscription Levels	Cur	rent Monthly Rate	P	er Load Rate						
10 Yards		N/A	\$	276.90						
20 Yards		N/A	\$	395.95						
30 Yards		N/A	\$	518.05						
40 Yards		N/A	\$	637.10						

^{*} Additional fees based on weight may apply

Legal Requirements

The City is responsible for setting rates in compliance with California law. Voters passed Proposition 218 in November 1996, which enacted Article XIIID of the California Constitution. Article XIIID1 has five substantive provisions that must be met:

- 1. Revenue from rates must not exceed the cost of providing service;
- 2. Revenue from rates must be used for providing service;
- 3. Fees and charges must be proportional to the cost of providing the service attributable to the parcel;

_

^{**} Partial list of rates. The full rate sheet is included in Appendix A-11.

¹ Sections 6(b) 1 - 5.

City of Tracy Section 1. Introduction

Solid Waste Rate Study and Report

4. Fee or charge may not be imposed for a service unless that service is actually used by, or immediately available to, the owner of the property; and,

5. No fee or charge may be imposed for general governmental services.

The basis for setting rates that are proportional to the cost of providing service was not prescribed in Article XIIID; therefore, the analyst was responsible for meeting the requirements of Sections 6(b) 1-5, as reasonably as possible. "Reasonable" rates are not capricious (there is a documented source for all data), not arbitrary (decisions required to make assumptions and analyze data have a sound reason), and not discriminatory (the results do not unduly favor one customer at the expense of another).

We interpret this concept to mean that rates must be proportionate to the COS across the range of subscribed service. We further interpret it to mean that the rates for each level of service must correlate with the actual demand that customers place on the vehicles and for which the system must be designed to provide the level of service customers require.

SECTION 2. REVENUE REQUIREMENT PROJECTIONS

To determine whether additional rate revenue is required, projected operating expenses are compared with projected revenue from current rates. Annual surpluses and deficits are then applied to the reserve funds. Rates are then increased so that the expenses are covered and operating and capital reserves are maintained at or close to target levels.

Expense Projections

The City's FY 18/19 actual expenditures and Tracy Disposal's FY 20/21 projected income statement served as the basis for determining the revenue requirement. The City's historical costs were inflated to FY 21/22 values by the factors show in in Figure 2-1. The City budget is developed annually by the Department of Financial Management (Financial Management) and approved by the City Council. The City's overhead costs for solid waste oversight are included in Public Works Admin, Contracted Services, Commodities, and ISC Charges. Expenditures paid to Tracy Disposal for collection, transportation, and disposal of material are included in Contracted Services. The model currently allows inflation to be applied individually to subcategories within the four main categories below, and further by year to accurately reflect anticipated or known increases in personnel, benefits, capital expenses, capital improvements, and new programs. The Rate Model currently accounts for a 3% CPI across all line items for each year, as noted in our limitations.

Figure 2-1. Inflators used in Cost of Service Study

		%	%	%	%	%		%
		Inflation	Inflation	Inflation	Inflation	Inflation	% Inflation	Inflation
Sub-Object	Title	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26
5100-5199	Public Works Admin	3%	3%	3%	3%	3%	3%	3%
5200-5299	Contracted Services*	3%	3%	3%	3%	3%	3%	3%
5300-5399	Commodities	3%	3%	3%	3%	3%	3%	3%
5400-5499	ISC Charges	3%	3%	3%	3%	3%	3%	3%

^{*} Contracted Services includes the amount paid to Tracy Disposal, City related overhead, and additional known costs. Tracy Disposal projected FY20/21 based on actual costs and known changes. Tracy Disposal costs were adjusted by inflation beginning in FY21/22.

SB 1383 – Short-lived Climate Pollutants: Methane Emissions: Dairy & Livestock; Landfills: Organics

SB 1383, passed in 2016 and final regulations adopted in 2020, focuses on the reduction of methane emitted into the atmosphere. The regulations require organics (as defined in the regulations) to be diverted from the landfill. Therefore, all organic material will need to be separately collected from the City's generators. For the City, this represents a change to current collection practices.

The City's residents currently include food scraps in the solid waste container. Effective January 1, 2022, the food scraps will not be permitted in the solid waste container. Most agencies throughout the state are including the food scraps with the yard waste currently being collected. The City's residential customers will be required to combine food scraps and yard waste in the new Organics container. This will require weekly collection of Organics resulting in increased collection and processing costs. The additional costs will include the cost of added labor, maintenance, and vehicle purchases for Tracy Disposal to switch from every other week to every week organics collection. The timing of converting to weekly collection is expected to commence effective January 1, 2022, so the increase in collection and processing costs will be phased in with one half absorbed in FY 21/22 and one half absorbed in FY 22/23 rate setting.

Migration

When there are significant rate increases, customers may downsize their subscription levels to a lower cost service. Due to the limited options for downsizing carts, minimal increase in solid waste bins, and decrease in recycling bin costs, a major migration is not expected between service levels. Therefore, service migration has been limited to 2% in FY 22/23, the first year after the COS Study rate implementation.

Customers with more than one recycling container will be billed for each additional container beginning FY 21/22. It is not anticipated that customers will reduce recycling services.

Reserve Fund Balance

A Reserve Fund Balance is necessary to help stabilize customers' rates and provide for unexpected contingencies. The Reserve Fund Balance can be drawn on in years when the City experiences above average costs and augmented during years when costs are below average. The City has elected to use \$2.5 million of its Reserve Fund Balance to help mitigate the rate increases for FY21/22 and FY22/23 for a total of \$5.0 million reduction to the reserve balance. The reserve balance is estimated to be approximately \$5.0 million at the end of FY 22/23, roughly two (2) months of expenditures.

Revenue Increases

Revenue increases, along with the use of Reserve Fund Balance, were derived to cover the City's costs. **Figure 2-2** summarizes the projected revenue from current rates, annual revenue requirements, annual variances, and the rate increases necessary to cover the City's costs. It is assumed the full rate increase required to meet the current year revenue requirement is implemented.

When the revenue from current rates is compared with the net revenue requirements (i.e., revenue requirement less non-operating revenue), there is a deficit variance that requires a large revenue increase in FY 21/22 to reach cost of service, and smaller annual increases to match inflationary and growth projections.

Figure 2-2. Rate Increase Calculations

	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26
Revenue from Current Rates A	\$20,648,277	\$25,533,684	\$28,819,008	\$33,699,872	\$36,565,382
Revenue Requirement* Less: Non-operating Revenue Less: Use of Fund Balance Reserves	\$28,782,768 \$ (749,083) \$ (2,500,000)	. , , ,		\$37,383,925 \$ (818,544) \$ -	\$40,411,868 \$ (843,100) \$ -
Net Revenue Requirement B	\$25,533,684	\$28,819,008	\$33,699,872	\$36,565,382	\$39,568,768
Revenue Shortfall C = A-	\$ (4,885,407)	\$ (3,285,323)	\$ (4,880,865)	\$ (2,865,509)	\$ (3,003,386)
Rate Increase Necessary C / A	23.7%	12.9%	16.9%	8.5%	8.2%
* Projected Budget Expenditures					

Revenue increases are achieved by increasing rates. In years when rates are not being restructured to align with the cost of service, rates would be increased by the same percentage to generate the required

revenue increase. For example, a 5% revenue increase would be achieved with a 5% across-the-board increase in the current rates at the various subscription levels.² In this Rate Study, however, rates are being restructured to align with the cost to provide service. As a result, different percentage increases in the service and volume charges will occur. The derivation of these rate increases is explained in the next section of this report.

-

² The *rate* increase is the same as the *revenue* increase when the rate increase is effective for the whole 12 months. If the rate increase is in effect for less than a whole year, the percentage *rate* increase needs to be higher than the percentage *revenue* increase to generate the required revenue in a shorter period of time.

SECTION 3. COST OF SERVICE STUDY

Methodology

A Rate Study determines the unit cost of the services provided to the City's solid waste customers. Each customer class is charged the same unit cost for its share of the services that it requires. In this way, the total revenue requirement is split between the fixed service charges and the volumetric charges; with the volumetric charges further proportioned among the customer classes. Because the service is provided based on the type of truck and container, we have determined customer classes for this rate study to be classified as "cart", "bin", and "roll-off" customers.

Most the City's solid waste services are related to meeting customer demands for the solid waste, recycling and Organics collection services. The collection services vary based on the customer's subscribed size and type of container (bin vs cart vs roll-off) used for the collection of solid waste materials.

The solid waste collection service levels are defined as follows:

Bin Customers – Bin customers receive service in a bin that has 1.5- to 6-cubic yards of volume. The bins are collected by a front-loader truck.
 Typically, these containers are used at multi-family complexes or commercial businesses.



 Cart Customers – Cart customers receive service in a 60or 90-gallon cart for solid waste, and a 96-gallon cart for recycling and Organics service. The carts are typically collected by a rear-loader or automated truck and are used by residential, multi-family, and commercial customers depending on the amount of capacity required.



3. **Roll-Off Customer** – Roll-Off customers receive on-call service for debris box containers that have 8- to 40-cubic yards of volume.

The complete costs of the collection, transportation, and disposal system includes two main categories: City overhead expenses and Tracy Disposal expenses. City overhead costs include city staff and administrative expenses to bill and oversee solid waste services, including new programs. Tracy Disposal expenses include the direct costs of collection, transportation, overhead, depreciation of fixed assets, and processing and disposal of solid waste, recycling, and organic material.



The direct costs to collect and dispose materials were based on actual expenses. All overhead costs from the City and Tracy Disposal were allocated based on the number of residential vs commercial accounts between carts, bins, and roll-off containers, and further subdivided by the total number of lifts. Leaf pick-up and annual clean-up costs provided by Tracy Disposal were allocated to residential customers. New programs were allocated between residential and commercial accounts, but further allocated by material type impacted by the program. Refer **to Figure 3-1** for the four allocation factors.

Figure 3-1. Allocation Factors

Allocation Factor		Carts							Bins		
	Solid Waste - Residential	Solid Waste - Commercial	, ,	Recycling- Commercial	Organics - Residential	Organics- Commercial	Solid Waste	Recycling	Organics	Customers	
Weekly Subscribed Volume	25.91%	2.30%	13.29%	0.47%	13.11%	0.21%	16.45%	0.57%	0.09%	27.62%	
Residential vs. Commercial					Varies by Pro	gram					
Residential Only, by Solid Waste Accounts	100%	-	-	-	-	-	-	-	-	-	
Direct Line of Business Expenditure		Directly Charged to Line of Business									

Figure 3-2 provides a detailed breakdown of the expenses and COS allocations for FY 21/22.

Figure 3-2. Cost of Service Allocations

	FY 21-22				Carts			Bins						oll-Off
	Expenses		Solid Waste	R	ecycling	Ya	rd Waste	Solid Waste	9	Recycling	Yard W	/aste	Cus	tomers
			idential											
City Overhead - Public Works Admin	\$ 566,49		280,598	\$	143,929	\$	141,966	-		-		-		-
City Overhead - Contracted Services (Excl. Contractor Payment)	272,82	2	135,135		69,316		68,371	-		-		-		-
City Overhead - Commodities & ISC Charges (Excl. Franchise Fees)	551,52	6	273,184		140,127		138,215	-		-		-		-
City Overhead - New Programs	2,089,04	8	408,542		626,443	1	1,054,063	-		-		-		-
Tracy Delta Overhead - General Admin	1,049,45	5	519,820		266,636		262,999	-		-		-		-
Tracy Delta Overhead - Depreciation	667,51	7	349,805		161,671		156,041	-		-		-		-
Tracy Delta - Direct Costs	2,604,31	0	1,232,803		699,305		672,202	-		-		-		-
Tracy Delta - Leaf Pickup & On-Call Cleanup	895,35	0	895,350		-		-	-		-		-		-
Tracy Delta - Franchise Fee	1,244,67	1	767,822		172,092		304,757	-		-		-		-
Tracy MRF - Processing and Disposal	4,672,02	5	3,856,441		-		815,584	-		-		-		-
Operating Reserve	(1,307,54	9)	(647,661)		(332,210)		(327,678)							
		Coi	mmercial											
City Overhead - Public Works Admin	\$ 516,62	8 5	24,860	\$	5,077	\$	2,302	\$ 179,16	4	\$ 6,142	\$	926	\$	298,156
City Overhead - Contracted Services (Excl. Contractor Payment)	248,80	7	11,973		2,445		1,109	86,28	5	2,958		446		143,591
City Overhead - Commodities & ISC Charges (Excl. Franchise Fees)	502,97	8	24,204		4,943		2,241	174,430)	5,980		902		290,278
City Overhead - New Programs	75,10	9	5,912		18,209		15,721	25,94	7	1,013		136		8,170
Tracy Delta Overhead - General Admin	1,097,80	7	46,055		9,406		4,264	374,67	õ	12,845	1	L,937		648,624
Tracy Delta Overhead - Depreciation	690,74	8	28,130		5,674		2,530	298,91	4	9,585	1	1,445		344,470
Tracy Delta - Direct Costs	3,234,72		118,271		24,517		10,899	1,176,64		39,719		5,988		858,682
Tracy Delta - Franchise Fee	1,259,73		8,992		1,771		1,749	505,75		6,906		1,841		729,720
Tracy MRF - Processing and Disposal	6,463,01		6,631		-		4,908	2,701,57)	-	34	1,198	3,	715,706
Operating Reserve	(1,192,45	,	(57,381)		(11,720)		(5,313)	(413,53	•	(14,177)	•	2,138)	•	688,187
Subtotal	\$ 26,202,76		\$ 8,289,486	\$:	2,007,633	\$ 3	3,326,929	\$ 5,109,85	4	\$ 70,972	\$ 48	3,681	\$ 7,	349,212
Non-Rate Revenue	(669,08	3)	(131,254)		(103,053)		(99,775)	(123,90	9)	(4,248)		(640)	(206,204
Total Revenue Requirement	\$25,533,6	34												

The customer class allocations and the expense attributable to customer accounts are compared with the estimated revenue from current rates in **Figure 3-3**. The allocation of costs between volumetric and fixed costs is not available for the current rate year.

Figure 3-3. Current Rate Revenue Compared to Cost of Service

Components of Rate Structu	Cur	ront Povonuo	No Rate Incre	2001		(ost of Serivce (COS)		Dif	foranco ICOS	Minus Curren	+\
components of Rate structt	Carts -	rent kevenue i	(NO Kate IIICIE)	asej			ost of Serivce (C	.03)		Carts -	rerence (COS	- Willias Curren	4
	Residential &				Carts -	Carts -				Residential &			
	Commercial	Bins	Roll-Off	Total	Residential	Commercial	Bins	Roll-Off**	Total	Commercial	Bins	Roll-Off	Total
Cost of Service													
Volumetric*													
Solid Waste Collection	N/A	N/A	N/A		\$ 5,923,601	\$ 123,913	\$ 3,878,218	\$ 5,849,769	\$ 15,651,588				
Recycling Collection	N/A	N/A	N/A		1,011,736	35,539	39,719	450,406	1,501,861				
Yard Waste Collection	N/A	N/A	N/A		1,995,294	24,035	40,186	3,934	2,039,414				
Fixed Costs													
Solid Waste Collection	N/A	N/A	N/A		2,034,179	76,539	1,107,727	772,333	3,914,239				
Recycling Collection	N/A	N/A	N/A		836,031	21,273	27,005	65,564	928,600				
Yard Waste Collection	N/A	N/A	N/A		1,193,043	14,783	7,855	1,003	1,201,900				
	\$ 11,134,384	\$ 4,840,281	\$ 4,673,612	\$20,648,277	\$12,993,884	\$ 296,083	\$ 5,100,710	\$ 7,143,008	\$ 25,533,684	\$ 2,155,582	\$ 260,429	\$2,469,396	\$4,885,4
,					•				% Shortfall	19.4%	5.4%	52.8%	23.7%
Based on size of container		N/A - Not Ava	ailable		** Recycling re	presents C&D	& Wood for Ro	II-Off					

The comparison of revenue from current rates with the revenue requirement indicates a 23.7% (\$4,885,407) increase in revenue is needed overall.

A key component of the Rate Study was to determine the volumetric and fixed components of the rates by customer class (carts, bins, and roll-off) for proper rate design.

Rates need to be designed to generate each class's share of the revenue requirement. Section 4 provides a recommended rate structure to meet the COS.

SECTION 4. RATE DESIGN – COST OF SERVICE

This section discusses the design of volumetric charges for the various sizes of carts, bins, and roll-off customers, and the fixed service charges for each customer class. All cost categories were evaluated to determine if the cost would fluctuate (variable) or remain constant (fixed) if there were variances in the subscribed service and type of container. The following methodology was used on solid waste, recycling, and Organics. Only the solid waste carts, bins, and roll-off containers, combined residential and commercial, are shown below for purposes of this report.

Volumetric (Variable) Collection Costs

Volumetric (variable) collection costs are proportional costs based on the subscribed size and type of container for carts and bins. In order to properly allocate the variable costs, the various factors identified below were calculated based on existing subscription levels. Compacted bin service receives a variable increase of 25% for additional labor time to service compactor containers. The variable collection costs exclude transfer, disposal and fixed costs which are calculated separately.

Roll-off containers do not use a volumetric approach when determining variable costs, and instead create a per trip fee separate from the type of material disposed or processed, and fixed costs. Compacted materials receive a variable increase of 25% due to the additional labor time to service compactor roll-off containers. Roll-off's methodology is shown in **Figure 4-6** below.

Full Time Equivalent Route Factor – Carts and Bins

The subscribed level of service, in essence, reserves that equivalent volume of space in the collection vehicle. Tracy Disposal must route its drivers and vehicles in order to ensure the routes have capacity to meet the customers' demand. Therefore, a "Full Time Equivalent Route Factor" (FTE Route Factor) was calculated for each size of container based on collection truck capacity, average route hours and disposal trip time. **Figure 4-1** lists the FTE Route Factors for Carts and Bins:

Figure 4-1. Full Time Equivalent Route Factor

	CI.	FTE Route
Custome	r Class	Factor
Carts		
	60 Gallon	0.94
	90 Gallon	1.00
Bins	1.5 Yard	0.89
	2 Yard	0.94
	3 Yard	1.03
	4 Yard	1.07
	6 Yard	1.26
	2 Yard COMP	1.07
	3 Yard COMP	1.26
	4 Yard COMP	1.40
	6 Yard COMP	1.72

Equivalent Container Factor – Carts and Bins

An Equivalent Container Factor (ECF) was calculated to determine the variable component of the monthly rates as follows:

- 1. An adjusted number of loads for each size of container were calculated assuming 100% of customers subscribed to one size.
- 2. An Adjusted Loads Cost was determined based on the actual collection costs divided by actual loads multiplied by the Adjusted Loads.

The ECF was calculated by dividing the Adjusted Loads Costs (step 2) by the minimum cost per load. **Figure 4-2** lists the ECF for each customer class:

Figure 4-2. Equivalent Container Factor

5		
Custom	er Class	Equivalent Container Factor (ECF)
Carts		
	60 Gallon	1.00
	90 Gallon	1.60
Bins	1.5 Yard	1.00
	2 Yard	1.40
	3 Yard	2.31
	4 Yard	3.22
	6 Yard	5.67
	2 Yard COMP	3.22
	3 Yard COMP	5.67
	4 Yard COMP	8.39
	6 Yard COMP	15.50

Equivalent Container Units – Carts and Bins

Equivalent Container Units (ECU) were calculated in order to properly allocate the variable collection costs, excluding the solid waste transfer and disposal and processing costs. ECUs were calculated by multiplying the number of containers by size by the applicable ECF. **Figure 4-3** shows the calculation of the ECUs for each customer class.

Figure 4-3. Equivalent Container Units

	1.84.101.21	40		
		Equivalent		
		Container	Current	Equivalent
		Factor	Containers	Container
Custom	ier Class	(ECF)	in Service	Units (ECU)
		Α	В	A X B = C
Carts				
	60 Gallon	1.00	19,153	19,153
	90 Gallon	1.60	5,526	8,842
		Tota	al Carts ECUs	27,995
Bins	1.5 Yard	1.00	194	194
	2 Yard	1.40	156	219
	3 Yard	2.31	268	620
	4 Yard	3.22	388	1,250
	6 Yard	5.67	304	1,723
	2 Yard COMP	3.22	4	13
	3 Yard COMP	5.67	-	-
	4 Yard COMP	8.39	2	17
	6 Yard COMP	15.50	11	171
		То	tal Bins ECUs	4,206

Variable Route Collection Costs Calculation

Annual variable costs were determined based on the review of Tracy Disposal's projected and inflated collection costs for FY 21/22 and contain costs that would fluctuate based on the size of container and frequency of service. Costs include such items as costs for labor, equipment operation, and maintenance.

Cart Customers

Figure 4-4 shows the calculation of the monthly variable route collection costs per month for cart customers.

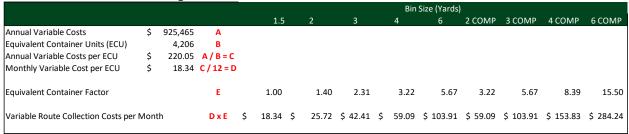
Figure 4-4. Variable Route Collection Costs per Month - Carts

				Cart Size (G	allons)
				60	90
Annual Variable Costs	\$	1,351,074	Α		
Equivalent Container Units (ECU)		27,995	В		
Annual Variable Costs per ECU	\$	48.26	A/B=C		
Monthly Variable Cost per ECU	\$	4.02	C / 12 = D		
Equivalent Container Factor			E	1.00	1.60
Variable Route Collection Costs per	Mor	nth	D x E	\$ 4.02 \$	6.43

Bin Customers

Figure 4-5 shows the calculation of the monthly variable route collection costs per month for bin customers.

Figure 4-5. Variable Route Collection Costs – Bins



Roll Off Customers

Figure 4-6 shows the calculation of the per pull variable collection costs for roll-off customers.

Figure 4-6. Variable Route Collection Costs – Roll Off

				Roll	Off	
				Loose	Со	mpacted
Annual Variable Costs	\$	2,588,403	Α			
Annual Pulls		9,096	В			
Variable Cost per Pull	\$	284.58	A / B = C			
Compaction Factor			D	1.00		1.25
Variable Route Collection Cost pe	r Pull		C x D = E	\$ 284.58	\$	355.73

Fixed Collection Costs

Fixed collection costs are based on FY 21/22 projected budget costs that are not dependent on the subscribed service volume. Costs include such items as City and Tracy Disposal administration and citywide programs. Costs are allocated between carts, bins, and roll-offs based on the percentage of each class's total subscribed gallons. Once the annual fixed costs are allocated between carts, bins and roll-offs, each cost category is divided by the number of customer accounts in each category. Fixed costs for carts are lower than the fixed costs for bins or roll-offs due to a larger container base to allocate costs. Figure 4-7 shows the calculation of Fixed Costs for solid waste carts, solid waste bins, and roll-off containers.

Figure 4-7. Fixed Collection Costs

			Carts		Bins		Roll Off
		So	id Waste	Sol	id Waste	All I	Materials
Total Annual Fixed Costs	Α	\$	2,102,999	\$1	1,098,527	\$	838,899
Number of Accounts/ Annual Pulls	В		23,426		760		8,368
Fixed Cost per Year / Pull	A / B = C	\$	89.77	\$	1,445.43	\$	100.25
Fixed Cost per Month	C / 12 = D	\$	7.48	\$	120.45		
Residential Leaf & Cleanup*	E	\$	895,350				
Number of Residential Accounts	F	\$	23,222				
Cost per Account per Month	E / F / 12 = G	\$	3.21	-			

^{*} Residential Cost only. Commercial rates exclude this cost.

Transfer, Disposal and Processing Costs

Transfer, disposal, and processing costs represent the Tracy Disposal FY 21/22 projected and inflated budget costs to dispose/process the collected materials. The cost per gallon or yard is calculated by dividing the actual disposal costs by the number of subscribed gallons or yards. **Figure 4-8** lists the monthly transfer, disposal, and processing costs for carts and bins, and the per-yard per-pull transfer, disposal, and processing cost for roll-offs.

Figure 4-8. Transfer and Disposal Costs

		Solid Wa	ste Carts		Solid W	/aste Bi	ins*		Solid	Waste	Roll Of	f*
Total Disposal Costs	Α	\$3,801,089		\$2,701,570					\$3,450,328			
Total Subscribed Gallon / Yard	В	1,646,520		5,029					417,125			
Disposal Cost per Gallon / Yard	A / B = C	\$2.31		\$537.20					\$8.27			
		60 Gal Cart	90 Gal Cart	1.5 YD Bin	2 YD Bin	3 YD Bin	4 YD Bin	6 YD Bin	10 YD	20YD	30YD	40YD
Disposal Cost per Month/Pull	C/12 * Siz	\$11.54	\$17.31	\$67.15	\$89.53	\$134.30	\$179.07	\$268.60	\$82.72	\$165.43	\$248.15	\$330.87

^{*} Calculation is for uncompacted material costs only, on a per yard per pull basis. Compacted material is 3x the cost per yard for disposal.

Residential Leaf and Cleanup Programs

The City offers residential customers a Fall leaf pick-up for excess yard waste beyond what can fit in the Organics cart. Additionally, the City offers an annual cleanup program which allows each residential property to have one scheduled pickup per calendar year. Beginning in 2022, each residential property will be allowed two scheduled pickups per calendar year. The costs for these two programs all allocated to each customer independent of the level of subscribed service.

Figure 4-9a. Base Collection Rates Cart Service (Service 1X per Week, First Container)

		Carts - Re	eside	ential		Carts - C	omn	mmercial	
	60 Gallon			90 Gallon		0 Gallon	9	0 Gallon	
Solid Waste Collection - 1st Container									
Variable	\$	4.02	\$	6.43	\$	4.02	\$	6.43	
Fixed	\$	7.48	\$	7.48	\$	7.48	\$	7.48	
Transfer/Disposal	\$	11.54	\$	17.31	\$	11.54	\$	17.31	
Residential Leaf & Cleanup*	\$	3.21	\$	3.21		N/A		N/A	
	\$	26.26	\$	34.44	\$	23.05	\$	31.23	
*Residential Cost only. Commercial rates exclude this cost.									

Figure 4.9b: Base Collection Rate Bin Service (Service 1X per Week, First Container)

					Bins					
	1.5 Yard	2 Yard	3 yard	4 Yard	6 Yard	2 Yard	3 yard	4 Yard	6 Yar	d
						COMPACT	COMPACT	COMPACT	COMPAG	CT
Solid Waste Collection - 1st Cont	ainer (befor	re Frequenc	cy or Self-Co	ontained Su	rcharges)					
Variable	\$ 18.34	\$ 25.72	\$ 42.41	\$ 59.09	\$ 103.91	\$ 59.09	\$ 103.91	\$ 153.83	\$ 284	1.24
Fixed	\$ 120.45	\$ 120.45	\$ 120.45	\$ 120.45	\$ 120.45	\$ 120.45	\$ 120.45	\$ 120.45	\$ 120).45
Transfer/Disposal	\$ 67.15	\$ 89.53	\$ 134.30	\$ 179.07	\$ 268.60	\$ 268.60	\$ 402.90	\$ 537.20	\$ 805	.80
	\$ 205.94	\$ 235.71	\$ 297.16	\$ 358.61	\$ 492.97	\$ 448.14	\$ 627.27	\$ 811.48	\$ 1,210).49

Figure 4.9c: Base Collection Rate Roll-Off Service (Per Pull)

0							•				
	Roll Off - Per Pull										
		10 YD		20 YD	30 YD			40 YD			
Solid Waste Collection - Per Pull											
Variable	\$	284.58	\$	284.58	\$	284.58	\$	284.58			
Fixed	\$	100.25	\$	100.25	\$	100.25	\$	100.25			
Transfer/Disposal	\$	82.72	\$	165.43	\$	248.15	\$	330.87			
	\$	467.55	\$	550.27	\$	632.98	\$	715.70			

Multiple Service per Week

A rate for service that is provided to the same customer multiple times per week has the following components:

- First Service Day Base rate
- Next Service Day Base rate less fixed portion plus a frequency surcharge. Frequency surcharge
 is the additional cost for the truck to service a customer in an area outside of the normal route.
 The frequency surcharge is calculated as the additional labor costs per minute to service the
 container, multiplied by an average of 10 minutes to service a container outside the normal route.
 The frequency surcharge increases annually by a 3% inflation factor.

Solid Waste Rate Study and Report

Figure 4-10. Example of Monthly Rate Calculation for 2 Yard Bin Serviced 3 Times per Week

Base Rate - 2 Yard Bin 3x per week Fixed Portion Frequency Surcharge (per trip beyond the first trip)	В	\$ 235.71 \$ 120.45 \$ 22.97
beyond the hist tripy		γ 22.57
Rate Calculation		
1st Day of Service		
Base Rate	Α	\$ 235.71
2nd Day of Service		
Base Rate	Α	235.71
Fixed Portion	В	(120.45)
Frequency Surcharge	C	22.97
3rd Day of Service		
Base Rate	A	235.71
Fixed Portion	В	(120.45)
Frequency Surcharge	C	22.97
	•	
Total Rate - 2 Yard Bin Serviced 3 Times per Wee	ek	\$ 512.16

Second Container

There are occasions, due to service demands, a customer may have more than one solid waste, recycling, or yard waste container. A rate for the second container includes the disposal component, the variable component, and a portion of the fixed container component. The fixed container component only contains the depreciation cost of the additional container. **Figure 4-11** shows a calculation for two 90-gallon residential solid waste carts serviced one time per week.

Figure 4-11. Calculation of Monthly Rate for Two 90 Gallon Carts Service

Base Rate - 90 Gallon Residential Solid Waste Cart	A \$	34.44
Disposal	B \$	17.31
Additional Fixed (Container)	C \$	0.63
Additional Operating Costs	D \$	6.43
Rate Calculation		
1st Day of Service		
Base Rate	A \$	34.44
2nd Container		
Disposal	В	17.31
Fixed Portion	C	0.63
Variable Portion	D	6.43
		24.37
Total Monthly Rate - Two 90 Gallon Carts Serviced 1 time Per We	ek_\$	58.82

SECTION 5. CUSTOMER BILL IMPACTS

The current collection service rates alone will not provide the revenue needed to fund existing and projected operating and capital expenses and maintain the required Fund Balance Reserves Therefore, the service rates must be adjusted.

The future revenue requirements were developed using the following assumptions:

The City's FY 18/19 actual expenditures and Tracy Disposal's FY 20/21 projected income statement served as the basis for determining the revenue requirement by inflating historical costs to FY 21/22 by 3% each year. The model currently allows inflation to be applied individually to subcategories within the four main categories shown in Figure 1 below, and further by year to accurately reflect anticipated or known increases in personnel, benefits, capital expenses, capital improvements, and new programs.

Figure 5-1. Inflators used in Cost of Service Study

		% Inflation						
Sub-Object	Title	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26
5100-5199	Public Works Admin	3%	3%	3%	3%	3%	3%	3%
5200-5299	Contracted Services*	3%	3%	3%	3%	3%	3%	3%
5300-5399	Commodities	3%	3%	3%	3%	3%	3%	3%
5400-5499	ISC Charges	3%	3%	3%	3%	3%	3%	3%

^{*} Contracted Services includes the amount paid to Tracy Disposal and City related overhead.

- Additional expenditures such as costs to comply with SB 1383, weekly recycling, road impact charges, code enforcement, community preservation, illegal dumping and homeless encampment cleanup were included at the City's direction in addition to the 3% annual inflation.
- Rates should be sufficient to fund operating and capital expenses and maintain the required Fund Balance Reserve.
- In order to avoid potential Proposition 218 issues in using reserve funds, Fund Balance Reserve monies can only be used to support solid waste related programs.

Figures 5-2, 5-3, 5-4 and 5-5 show the rates necessary to meet the COS revenue requirement.

Figure 5-2. Projected Rates - Residential Cost of Service

	FIE	3ule 3-2	Flojeci	eu nate	- IVE2	uentiai	COSt OI	Sei vice			
				Project	ed Cost o	f Service a	nd Month	ly Rate Inc	crease		
Solid Waste, Recycling, and Organics (Residential)	Current Rates	FY 21/22	\$ Change	FY 22/23	\$ Change	FY 23/24	\$ Change	FY 24/25	\$ Change	FY 25/26	\$ Change
60 Gallon Cart*	\$ 36.50	\$ 44.38	\$ 7.88	\$ 52.35	\$ 7.96	\$ 61.18	\$ 8.83	\$ 65.75	\$ 4.56	\$ 70.40	\$ 4.66
90 Gallon Cart*	\$ 43.20	\$ 52.57	\$ 9.37	\$ 60.87	\$ 8.30	\$ 70.21	\$ 9.35	\$ 75.50	\$ 5.29	\$ 80.89	\$ 5.39
*Only applicable for Residential Organics carts.	al Customers.	Includes a 96	Gallon Recycl	ing and 96 Gal	lon						

Solid Waste Rate Study and Report

Figure 5-3 Projected Rates – Commercial Cost of Service

	Tigate 3 3 1 10 cerea mates Commercial cost of service													
Solid Waste (Commercial)	Current Rates	FY 21/22	\$ Change	FY 22/23	\$ Change	FY 23/24	\$ Change	FY 24/25	\$ Change	FY 25/26	\$ Change			
(Commercial)	Rates		Change		Change		Change				Change			
60 Gallon Cart*	\$ 39.70	\$ 23.05	\$ (16.65)	\$ 24.73	\$ 1.69	\$ 29.03	\$ 4.29	\$ 31.23	\$ 2.20	\$ 33.48	\$ 2.25			
90 Gallon Cart*	\$ 51.85	\$ 31.23	\$ (20.62)	\$ 33.25	\$ 2.02	\$ 38.06	\$ 4.81	\$ 40.99	\$ 2.93	\$ 43.97	\$ 2.98			
1.5 Yard Bin	\$ 148.20	\$ 205.94	\$ 57.74	\$ 215.20	\$ 9.26	\$ 264.40	\$ 49.19	\$ 271.00	\$ 6.60	\$ 277.86	\$ 6.87			
2 Yard Bin	\$ 191.85	\$ 235.71	.71 \$ 43.86 \$246.35 \$10.64 \$297.03 \$50.68 \$305.69 \$ 8.65 \$314.62 \$ 8.93											
3 Yard Bin	\$ 257.55	\$ 297.16	7.16 \$ 39.61 \$310.74 \$13.58 \$364.61 \$53.87 \$377.72 \$13.11 \$391.13 \$13.41											
4 Yard Bin	\$ 322.65	\$ 358.61	8.61 \$ 35.96 \$375.12 \$16.52 \$432.18 \$57.05 \$449.75 \$17.57 \$467.64 \$17.89											
6 Yard Bin	\$ 440.55	\$ 492.97	492.97 \$ 52.42 \$516.45 \$23.49 \$581.12 \$ 64.66 \$609.68 \$ 28.56 \$638.60 \$28.92											
* Only applicable for Commer	*Only applicable for Commercial Customers. Does not include recycling or Organics.													

Figure 5-4 Projected Rates – Commercial Recycling Cost of Service

				Project	ed Cost o	f Service a	nd Month	ly Rate Inc	rease			
Recycling (Commercial)	Current Rates	FY 21/22	\$ Change	FY 22/23	\$ Change	FY 23/24	\$ Change	FY 24/25	\$ Change	FY 25/26	\$ Change	
96 Gallon Cart* 1.5 Yard Bin	\$ 43.60 \$ 130.90	\$6.68 \$ 90.66	\$ (36.92)	\$8.91	\$ 2.23 \$ 6.31	\$11.20		\$12.26 \$145.54	\$ 1.06	\$13.34 \$154.28	\$ 1.08	
2 Yard Bin	\$ 169.70	\$ 100.17	.17 \$ (69.53) \$107.34 \$ 7.17 \$148.46 \$ 41.12 \$158.64 \$ 10.18 \$									
3 Yard Bin 4 Yard Bin	\$ 226.00 \$ 280.40	\$ 119.17 \$ 138.17										
6 Yard Bin	6 Yard Bin \$ 377.15 \$ 176.18 \$ (200.97) \$ 190.23 \$ 14.05 \$ 239.59 \$ 49.36 \$ 263.42 \$ 23.83 \$ 287.97 \$ 24.56											
"Current kates represents a b	unalea rate of	a 96 Gallon Re	ecycling and 90	b Gallon Organ	iics carts.							

Figure 5-5 Projected Rates – Commercial Organics Cost of Service

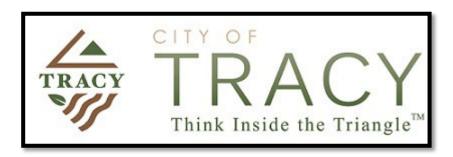
	riguic .	<u>5-5 i i Oje</u>	.ctcu ne	ites ee	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ciai Oige	iiiics co	36 01 361	VICC					
	-	Projected Cost of Service and Monthly Rate Increase												
Organics/ Organics	Current Rates	FY 21/22	% Change	FY 22/23	% Change	FY 23/24	% Change	FY 24/25	% Change	FY 25/26	% Change			
96 Gallon Cart*	\$ 43.60	\$11.45	-73.7%	\$15.46	35.1%	\$17.68	14.3%	\$18.94	7.2%	\$20.24	6.8%			
1.5 Yard Bin	\$ 130.90	\$ 293.10	93.10 123.9% \$305.15 4.1% \$342.99 12.4% \$357.73 4.3% \$372.92 4.2%											
2 Yard Bin	\$ 169.70	\$ 360.04	60.04 112.2% \$374.67 4.1% \$415.33 10.9% \$433.62 4.4% \$452.47 4.3%											
3 Yard Bin	\$ 226.00	\$493.91	493.91 118.5% \$513.73 4.0% \$560.01 9.0% \$585.40 4.5% \$611.57 4.5%											
4 Yard Bin	\$ 280.40	\$ 658.55	134.9%	\$684.97	4.0%	\$746.68	9.0%	\$780.54	4.5%	\$815.43	4.5%			
*Current Rates represents a bundled rate of a 96 Gallon Recycling and 96 Gallon Organics carts.														



CITY OF TRACY

520 TRACY BLVD

TRACY, CA 95376



SOLID WASTE RATE STUDY APPENDICES

- A-2 Cart Cost of Service Calculations
- A-3 Monthly Cart Rates Cost of Service
- A-4 Solid Waste Bin Cost of Service Calculations
- A-5 Recycling Bin Cost of Service Calculations
- A-6 Organics Bin Cost of Service Calculations
- A-7 Monthly Bin Rates Cost of Service
- A-8 Roll Off Cost of Service Calculations
- A-9 Roll Off Per Pull Rates Cost of Service Loose Material
- A-10 Roll Off Per Pull Rates Cost of Service Compact Material
- A-11 Current Rate Schedule

HF&H CONSULTANTS, LLC



APPENDIX A-1: RATE MODEL SUMMARY

Rate Model Summary – FY 21/22 to FY 25/26

CITY OF TRACY

SOLID WASTE RATE MODEL

	FY 19/20		FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26
SUMMARY RESULTS	ninary Actual (City		Current Year	Projected	Projected	Projected	Projected	Projected
	ata Projected)	_	ity Data Projected)		•	·		Ť
State Grants	\$ 3,867	\$	3,983	\$ 4,103	\$ 4,226	\$ 4,353	\$ 4,483	\$ 4,618
Charges for Services	20,648,277		20,648,277	25,533,684	28,819,008	33,699,872	36,565,382	39,568,768
Fines and Forfeitures	454,000		467,620	401,649	413,698	426,109	438,893	452,059
Use of Money	248,216		255,662	263,332	271,232	279,369	287,750	296,382
Revenue Total	\$ 21,354,360	\$	21,375,543	\$ 26,202,768	\$ 29,508,164	\$ 34,409,703	\$ 37,296,507	\$ 40,321,827
City Overhead Costs								
Personnel	\$ 1,020,946	\$	1,051,575	\$ 1,083,122	\$ 1,115,615	\$ 1,149,084	\$ 1,183,556	\$ 1,219,063
Contracted Services	491,685		506,435	521,628	537,277	553,396	569,997	587,097
Commodities	14,213		14,639	15,078	15,531	15,996	16,476	16,971
ISC Charges	979,759		1,009,152	1,039,426	1,070,609	1,102,727	1,135,809	1,169,883
New Programs	-		-	999,450	1,453,320	1,933,522	2,441,229	2,977,658
Operating Reserve	-		-	(2,500,000)	(2,500,000)	-	-	-
Franchise Fee	2,139,058		2,203,230	2,504,406	2,783,183	2,866,679	2,952,679	3,041,259
City of Tracy Total	\$ 4,645,660	\$	4,785,030	\$ 3,663,111	\$ 4,475,535	\$ 7,621,404	\$ 8,299,747	\$ 9,011,931
Tracy Disposal								
Operating Expenses - Carts	\$ 20,579,410	\$	4,940,312	\$ 5,466,379	\$ 5,906,963	\$ 6,526,139	\$ 7,413,858	\$ 8,346,956
MRF / Disposal - Carts			4,459,967	4,683,564	4,908,991	5,174,330	5,454,362	5,749,631
Operating Expenses - Bins			1,750,173	1,921,758	2,088,414	2,304,874	2,613,578	2,938,590
MRF / Disposal - Bins			2,599,757	2,735,767	2,877,598	3,068,505	3,272,973	3,489,365
Operating Expenses - Rolloff			2,641,768	2,851,776	3,047,440	3,276,500	3,636,306	4,006,906
MRF / Disposal - Rolloff			3,607,482	3,715,706	3,827,177	3,941,993	4,060,253	4,182,060
New Program - SB1383				1,164,706	2,376,045	2,495,958	2,545,430	2,596,387
Tracy Disposal Total	\$ 20,579,410	\$	19,999,459	\$ 22,539,657	\$ 25,032,628	\$ 26,788,299	\$ 28,996,760	\$ 31,309,895
Expenditures Total	\$ 25,225,070	\$	24,784,489	\$ 26,202,768	\$ 29,508,164	\$ 34,409,703	\$ 37,296,507	\$ 40,321,827
Overall Surplus/(Shortfall)	\$ (3,870,710)	\$	(3,408,946)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
as % of Total Expenditures	-15.3%		-13.8%	0.0%	0.0%	0.0%	0.0%	0.0%

Operating Reserve	Pre	eliminary Actual (City Data)	Current Year (Estimated)	Projected		Projected	Projected	Projected	Projected
Beginning of FY (July 1)	\$	17,527,487	\$ 13,656,777	\$ 10,247,831	. \$	7,450,831	\$ 4,950,831	\$ 4,950,831	\$ 4,950,831
Additions				(2,500,000)	(2,500,000)	-	-	-
Capital Purchases				(297,000)				
End of FY (June 30)	\$	13,656,777	\$ 10,247,831	\$ 7,450,831	\$	4,950,831	\$ 4,950,831	\$ 4,950,831	\$ 4,950,831
% of Expenditures				28.4%		16.8%	14.4%	13.3%	12.3%
Months of Expenditures				3.4		2.0	1.7	1.6	1.5

HF&H Consultants, LLC Page A1-1 October 26, 2021

APPENDIX A-2: CARTS COST OF SERVICE CALCULATIONS

Solid Waste Cart Cost of Service Calculations

F	Y2021/2022		Solid Waste	Cost of Service Information
	103%			CPI INFLATION
	Residential	Commercial	Total	CITY OF TRACY
\$	547,354	\$ 31,471	\$ 578,825	City Personnel (Includes New Programs)
\$	337,915	\$ 12,263	\$ 350,178	City Contracted Services (Includes New Programs)
\$	273,184	\$ 24,204	\$ 297,388	City Commodities, ISC & other (Includes New Programs)
\$	519,820	\$ 46,055	\$ 565,876	Tracy Disposal General Admin
\$	349,805	\$ 28,130	\$ 377,934	Tracy Disposal Depreciation
\$	(114,061)	\$ (17,193)	\$ (131,254)	Non-Rate Revenue
\$	(7,322)	\$ (397)	\$ (7,719)	Double Counted Extra Cart Depreciation
\$	(647,661)	\$ (57,381)	\$ (705,042)	Operating Reserve
\$	-	\$ -	\$ -	
\$	-	\$ -	\$ -	New Program Variable Costs
\$	767,822	\$ 8,992	\$ 776,814	Franchise Fee
\$	1,232,803	\$ 118,271	\$ 1,351,074	Tracy Disposal Direct Costs
			\$ -	
\$		\$ -	\$ 241,055	Tracy Disposal Leaf Pickup
\$	654,295	\$ -	\$ 654,295	Tracy Disposal On Call Cleanup
			\$ -	Frequency Surcharge
			\$ -	Migration
			\$ -	
			\$ -	
\$	(60,994)	\$ (989)	\$ (61,983)	New Program Disposal Costs
\$	3,856,441	\$ 6,631	\$ 3,863,072	MSW Transfer/Processing/Disposal Costs
\$	3,795,447	\$ 5,642	\$ 3,801,089	Total Disposal Costs
\$	7,950,458	\$ 200,055	\$ 8,150,513	Total All Costs
,	2,026,857	\$ 76,142	\$ 2,102,999	Fixed Cost
			\$ -	
,	1,232,803	\$ 118,271	\$ 1,351,074	MSW Collection Operations Costs
			\$ 0.19	MSW Transfer/Disposal per Gallon/Month
			0.60	MSW Pounds per Gallon
			19.25	32-Gal MSW Pounds per Setout
			36.10	60-Gal MSW Pounds per Setout
			54.15	90-Gal MSW Pounds per Setout
		ļ		32-Gal Yardage Conversion
			0.30	60-Gal Yardage Conversion
		ļ	0.45	90-Gal Yardage Conversion
				MSW Gal per Yard
			29	Collection Body MSW Yards
				Collection Body MSW Tons
		ļ		,
			\$ 2.23	Cost/min for additional freq. of service
		ļ	\$	Additional Service Frequency Time (Minutes)

MSW	Cart Rate	s by Cost of	Service				
Container Size		32	60		90		1
Setouts							
RESIDENTIAL							
Annual Variable Route Costs	\$	1,351,074					
ECUs		27,995					
Annual Variable/ECU	\$	48.26					
Monthly Variable/ECU	\$	4.02					
Equivalent Container Factor		0.50		1.00		1.60	
Variable Route Costs/Month	\$	2.00	\$	4.02	\$	6.43	1
Fixed Costs/Container/Month	\$	7.48	\$	7.48	\$	7.48	
MSW Txfr & Disp Cost/Month	\$	6.16	\$	11.54	\$	17.31	
Residential (Leaf Pickup and Cleanup)	\$	3.21	\$	3.21	\$	3.21	
TOTAL MONTHLY RATE @ 1x/wk Res	\$	18.85	\$	26.26	\$	34.44	
TOTAL MONTHLY RATE @ 1x/wk Com	\$	15.64	\$	23.05	\$	31.23	
Extra Container	Resid	ential 60	Residential 90		Commercial 60		Con
Disposal	\$	11.54	\$	17.31	\$	11.54	\$
Add Final (Dansaciation)		0.54	^	0.63	^	0.54	

Extra Container	Residential 6	0	Residential 90		Commercial 60		Comme	rcial 90
Disposal	\$	11.54	\$	17.31	\$	11.54	\$	17.31
Addl Fixed (Depreciation)	\$	0.51	\$	0.63	\$	0.51	\$	0.63
Addl Operating Costs	\$	4.02	\$	6.43	\$	4.02	\$	6.43
Total Monthly Rate Extra Container	\$	16.07	\$	24.37	\$	16.07	\$	24.37
Estimated Cost of Container	\$		\$	60.70	\$	75.07	1	
Depreciation (10year life)	\$	-	\$	0.51	\$	0.63		

PROOF of All Costs Included in the Rates:	Residential	Residential	Commercial	Comme	rcial
Total Carts	17,898	5,324	81		123
Rates	\$ 26.26	\$ 34.44	\$ 23.05	\$	31.23
First Cart Revenue	\$ 5,639,725	\$ 2,200,503	\$ 22,400	\$	46,096
Second Carts	1,158	39	16		40
Rates	\$ 16.07	\$ 24.37	\$ 16.07	\$	24.37
Second Cart Revenue	\$ 223,315	\$ 11,407	\$ 3,086	\$	11,700
Total Revenue	\$ 8,158,232				
Total Costs	\$ 8,158,232	\$ 7,063,095			
	\$ -				

Residential And Commercial	32.00	60.00	90.00	Total (Check
Variable	€	77,030	35,559 \$	1,351,074	\$ -
Leaf/Cleanup		57,506	17,106 \$	895,350	\$ -
Fixed	€	134,501	40,749.01 \$	2,102,999	\$ -
Disposal (First and Second)	=	221,079	95,678 \$	3,801,089	\$ -
Depreciation	=	643	\$	7 719	

APPENDIX A-2: CARTS COST OF SERVICE CALCULATIONS

Pacycling Cart Cost of Service Calculations

					Recycling Cart Cost of	Service Calculations					
FY2021/2022				Recycling	Cost of Service Information		Recycling	Cart Rates by Cost of	of Service		
103%					CPI INFLATION	Container Size		96	96	96	
Residential		Commercial		Total	CITY OF TRACY						
\$ 280,759	9 \$	9,263	\$	290,022	City Personnel (Includes New Programs)						
\$ 172,516	5 \$	2,922	\$	175,438	City Contracted Services (Includes New Programs)						
\$ 142,527	7 \$	4,943	\$	147,470	City Commodities, ISC & other (Includes New Programs)						
\$ 266,636	5 \$	9,406	\$	276,042	Tracy Disposal General Admin						
\$ 161,671	L \$	5,674	\$	167,345	Tracy Disposal Depreciation						
\$ (99,541		(3,512)			Non-Rate Revenue	RESIDENTIAL					
\$ (3,461	L) \$	(901)	\$	(4,362)	Double Counted Extra Cart Depreciation	Annual Variable Route Costs	\$	1,047,275			
\$ (332,210		(11,720)			Operating Reserve	ECUs		23,971			
\$ 71,582		2,525			New Program Depreciation	Annual Variable/ECU	\$	43.69			
\$ 312,431		11,022			New Program Direct Costs	Monthly Variable/ECU	\$	3.64			
\$ 172,092	2 \$	1,771	\$		Franchise Fee	Equivalent Container Factor		1.00	1.00	1.00	
\$ -	\$	-	\$		New Program Variable Costs	Variable Route Costs/Month	\$	3.64 \$	3.64 \$	3.64	
\$ 699,305	\$	24,517	\$	723,822	Tracy Disposal Direct Costs	Fixed Costs/Container/Month	\$	3.04 \$	3.04 \$	3.04	
			\$	-		Recycling Processing Cost/Month	\$	- \$	- \$	-	
			\$	-	Frequency Surcharge						
			\$	-	Migration	TOTAL MONTHLY RATE @ 1x/wk Res	\$	6.68 \$	6.68 \$	6.68	
			\$	-		TOTAL MONTHLY RATE @ 1x/wk Com	\$	6.68 \$	6.68 \$	6.68	
			\$	-							
\$ -	\$	-	\$	-	New Program Disposal Costs	Extra Container	RESIDE	NTIAL CON	1MERCIAL		
\$ -			\$	-	REC Transfer/Processing/Disposal Costs	Recycling Processing Cost/Month	\$	- \$	- \$	-	
\$ -	\$	-	\$	-	Total Disposal Costs	Addl Fixed (Depreciation)	\$	0.63 \$	0.63 \$	0.63	
						Addl Operating Costs	\$	3.64 \$	3.64 \$	3.64	
\$ 1,844,306	5 \$	55,912	\$	1,904,580	Total All Costs	Total Monthly Rate Extra Container	\$	4.27 \$	4.27 \$	4.27	
			\$	-		Estimated Cost of Container	\$	75.07 \$	75.07 \$	75.07	
\$ 832,570) \$	20,373	\$	852,943	Fixed Cost	Depreciation (10year life)	\$	0.63 \$	0.63 \$	0.63	
			\$	-							
\$ 1,011,736	5 \$	35,539	\$	1,047,275	Recycling Collection Operations Costs	PROOF of All Costs Included in the Rates:	1	RESIDENTIAL C	OMMERCIAL		
						Total Carts		23,222	168		
			\$	-	Transfer/Processing per Gallon/Month	Rates	\$	6.68 \$	6.68		
						First Cart Revenue	\$	1,861,369 \$	13,466		
				0.12	Recyclable Pounds per Gallon						
				23,390	Number of Accounts	Second Carts		461	120		
				11	96 - Gal RECPounds per Setout	Rates	\$	4.27 \$	4.27		
				29	Collection Body REC Yards	Second Cart Revenue	\$	23,601.47 \$	6,143.55		
				8.00	Collection Body REC Tons						
					·	Total Revenue	\$	1,904,580			
			\$	2.23	Cost/min for additional freq. of service	Total Costs	\$	1,904,580			
			Ś		Additional Service Frequency Time (Minutes)		Ś				
			Ś		Additional Service Frequency Cost		· ·				

APPENDIX A-2: CARTS COST OF SERVICE CALCULATIONS

Vard Waste Cart Cost of Service Calculations

7	2021/2022			Organics Carts	Cost of Service Information		Org	ganics Cart Rates by Co	ost of Service
	103%				CPI INFLATION	Container Size		96	96
ſ	Residential	(Commercial	Total	CITY OF TRACY				
	276,929	\$	4,415	\$ 281,344	City Personnel (Includes New Programs)				
	171,571	\$	1,488	\$ 173,058	City Contracted Services (Includes New Programs)				
	138,215	\$	2,241	\$ 140,456	City Commodities, ISC & other (Includes New Programs)				
	262,999	\$	4,264	\$ 267,263	Tracy Disposal General Admin				
	156,041	\$	2,530	\$ 158,571	Tracy Disposal Depreciation				
	(98,183)	\$	(1,592)	\$ (99,775)	Non-Rate Revenue	RESIDENTIAL			
	(1,524)	\$	(38)	\$ (1,561)	Double Counted Extra Cart Depreciation	Annual Variable Route Costs	\$	1,136,854	
	(327,678.32)	\$	(5,313)	\$ (332,991)	Operating Reserve	ECUs		23,563	
	308,392.69	\$	5,000	\$ 313,393	New Program Depreciation	Annual Variable/ECU	\$	48.25	
	446,513.49	\$	7,239.61	\$ 453,753	New Program Direct Costs	Monthly Variable/ECU	\$	4.02	
	304,757	\$	1,749	\$ 306,506	Franchise Fee	Equivalent Container Factor		1.00	1
	-	\$	-	\$ -	New Program Variable Costs	Variable Route Costs/Month	\$	4.02 \$	4
	672,202	\$	10,899	\$ 683,101	Tracy Disposal Direct Costs	Fixed Costs/Container/Month	\$	4.30 \$	4
	-	\$	-	\$ -	Frequency Surcharge	Organic Processing Cost/Month	\$	3.12 \$	3
	-	\$	-	\$ -	Migration				
				\$ -		TOTAL MONTHLY RATE @ 1x/wk Res	\$	11.45 \$	11
_	-			\$ -		TOTAL MONTHLY RATE @ 1x/wk Com	\$	11.45 \$	11
	-			\$ -					
	-			\$ -		Extra Container		Residential	Commercial
	60,994	\$	989	\$ 61,983	New Program Disposal Costs	Organic Processing Cost/Month	\$	3.12 \$	3
	815,584	\$	4,908		ORG Transfer/Processing/Disposal Costs	Addl Fixed (Depreciation)	\$	0.63 \$	0
_	876,578		5,897		Total Disposal Costs	Addl Operating Costs	\$	4.02 \$	4
_	,,,,		-,			Total Monthly Rate Extra Container	\$	7.77 \$	7
_	3,186,813	\$	38,780	\$ 3,225.593	Total All Costs	, , , , , , , , , , , , , , , , , , , ,		· •	
_	-, -,,,		,	,,		Estimated Cost of Container	\$	75.07 \$	75
_				\$ -	1	Depreciation (10year life)	Ś	0.63 \$	0
_	1,191,519	Ś	14,745	т	Fixed Cost			2.23 0	
_	_,131,313	-	1,7.13	\$ -		PROOF of All Costs Included in the Rates:		Residential	Commercial
-	1,118,716	Ś	18,138	Ÿ	Organics Collection Operations Costs	Total Carts		23,222	commerciai 1
	1,110,710	Υ	10,138	7 1,130,834	organics concetion operations costs	Rates	Ś	11.45 \$	11
_				\$ 0.03	Organics Transfer/Disposal per Gallon/Month	First Cart Revenue	Ś	3,189,500 \$	18,2
				Ų 0.05	organics transfer/bisposar per dallon/ivional	i ii st Cart Neveriue	ڔ	3,103,500 \$	10,2
				0.17	Organics Pounds per Gallon	Second Carts		203	
					96-Gal Organics Pounds per Setout	Rates	\$	7.77 \$	7
					96-Gal Yardage Conversion	Second Cart Revenue	\$	18,920.85 \$	466
					Number of Accounts	Second Cart Revenue	<u> </u>	10,320.03 \$	400
					Collection Body Organics Yards	Total Revenue	ć	2 227 154	
					, ,		ç	3,227,154	
				8.00	Collection Body Organics Tons	Total Costs	\$	3,227,154	
							\$	•	
					Cost/min for additional freq. of service				
					Additional Service Frequency Time (Minutes)				
				\$ 11.15	Additional Service Frequency Cost				

Container Size		96		96		96	
RESIDENTIAL							
Annual Variable Route Costs	\$	1,136,854					
ECUs		23,563					
Annual Variable/ECU	\$	48.25					
Monthly Variable/ECU	\$	4.02					
Equivalent Container Factor		1.00		1.00		1.00	
Variable Route Costs/Month	\$	4.02	\$	4.02	\$	4.02	
Fixed Costs/Container/Month	\$	4.30		4.30	\$	4.30	
Organic Processing Cost/Month	\$	3.12	\$	3.12	\$	3.12	
TOTAL MONTHLY RATE @ 1x/wk Res	\$	11.45	ċ	11.45	ć	11.45	
TOTAL MONTHLY RATE @ 1x/wk Res TOTAL MONTHLY RATE @ 1x/wk Com	\$	11.45		11.45		11.45	
TOTAL MONTHLY RATE @ 1x/WK COIII	Ş	11.45	Ş	11.45	ş	11.45	
Extra Container		Residential		Commercial			
Organic Processing Cost/Month	\$	3.12		3.12		3.12	
Addl Fixed (Depreciation)	\$	0.63	\$	0.63	\$	0.63	
Addl Operating Costs	\$	4.02	\$	4.02	\$	4.02	
Total Monthly Rate Extra Container	\$	7.77	\$	7.77	\$	7.77	
Estimated Cost of Container	\$	75.07	Ś	75.07	Ś	75.07	
Depreciation (10year life)	\$	0.63		0.63		0.63	
PROOF of All Costs Included in the Rates:		Residential		Commercial			
Total Carts		23,222	_	133			
Rates	\$	11.45		11.45			
First Cart Revenue	\$	3,189,500	Ş	18,267			
Second Carts		203		5			
Rates	\$	7.77	\$	7.77			
Second Cart Revenue	\$	18,920.85	\$	466.03			
Total Revenue	\$	3,227,154					
Total Costs	\$	3,227,154					
	Ś	3,227,134					

APPENDIX A-3: MONTHLY CART RATES

Residential Monthly Cart Rates – Cost of Service

MSW Reside	MSW Residential Rates - (19-20 Approved)										
Frequency		60			90						
1 /week	\$		36.50	\$		43.20					
Extra Container	\$		36.50	\$		43.20					

REC Residential Rates - (19-20 Approved)										
Frequency	96	96								
Every Other Week	\$ -	\$ -								
Extra Container	\$ -	\$ -								

Organic Residential Rates - (19-20 Approved)									
Frequency		96		96					
Every Other Week	\$	-	\$	-					
Extra Container	\$	8.70	\$	8.	70				

Total Residential Rates - (19-20 Approved)									
Frequency	60			90					
1 /week	\$	36.50	\$	43.20					

MSW Residential	MSW Residential Rates - 2021-2022 Full COS									
Frequency		60	90							
1 /week	\$	26.26	\$	34.44						
Extra Container	\$	16.07	\$	24.37						

REC Residential Rates - Full COS						
Frequency		96		96		
Every Week	\$	6.68	\$	6.68		
Extra Container	\$	4.27	\$	4.27		

Organic Residential Rates - Full COS						
Frequency	96 96					
Every Week	\$	11.45	\$	11.45		
Extra Container	\$	7.77	\$	7.77		

Total Residential Rates 2021-2022 - Full COS						
Frequency	60	90				
1 /week	\$ 44.38	\$ 52.57				

Total Residential Rates - 2019-2020 vs 2021-2022 \$\$ Change							
Frequency	60			90			
1 /week	\$	7.88	\$	9.37			

Total Residential Rates - 2019-2020 vs 2021-2022 % Change					
Frequency	60	90			
1 /week	22%	22%			

MSW Residential Rates - 2022-2023 Full COS							
Frequency	60		90				
1 /week	\$	27.98	\$	36.50			
Extra Container	\$	16.65	\$	25.29			

REC Residential Rates - Full COS						
Frequency	96 96					
Every Week	\$	8.91	\$	8.91		
Extra Container	\$	5.64	\$	5.64		

Organic Residential Rates - Full COS						
Frequency	96 96					
Every Week	\$	15.46	\$	15.46		
Extra Container	\$	9.94	\$	9.94		

Total Residential Rates 2022-2023 - Full COS							
Frequency	60)		90			
1 /week	\$	52.35	\$	60.87			

Total Residential Rates - 2020-2021 vs 2022-2023 \$\$ Change						
Frequency	60	90				
1 /week	\$ 7.96	\$ 8.30				

Total Residential Rates - 2020-2021 vs 2022-2023 % Change						
Frequency	60	90				
1 /week	18%	16%				

APPENDIX A-3: MONTHLY CART RATES

Residential Monthly Cart Rates – Cost of Service

MSW Residential Rates - 2023-2024 Full COS						
Frequency		60	90			
1 /week	\$	32.31	\$	41.34		
Extra Container	\$	17.57	\$	26.72		

MSW Residential Rates - 2024-2025 Full COS					
Frequency	60		90		
1 /week	\$	34.55	\$	44.30	
Extra Container	\$	18.83	\$	28.71	

MSW Residential Rates - 2025-2026 Full COS						
Frequency		60		90		
1 /week	\$	36.83	\$	47.32		
Extra Container	\$	20.12	\$	30.73		

REC Residential Rates - Full COS						
Frequency		96		96		
Every Week	\$	11.20	\$	11.20		
Extra Container	\$	6.05	\$	6.05		

REC Residential Rates - Full COS					
Frequency		96		96	
Every Week	\$	12.26	\$	12.26	
Extra Container	\$	6.66	\$	6.66	

REC Residential Rates - Full COS							
Frequency		96		96			
Every Week	\$	13.34	\$	13.34			
Extra Container	\$	7.29	\$	7.29			

Organic Residential Rates - Full COS						
Frequency		96		96		
Every Week	\$	17.68	\$	17.68		
Extra Container	\$	10.54	\$	10.54		

Organic Residential Rates - Full COS					
Frequency		96		96	
Every Week	\$	18.94	\$	18.94	
Extra Container	\$	11.35	\$	11.35	

Organic Residential Rates - Full COS					
Frequency		96		96	
Every Week	\$	20.24	\$	20.24	
Extra Container	\$	12.18	\$	12.18	

Total Residential Rates 2023-2024 - Full COS						
Frequency	60		90			
1 /week	\$	61.18	\$	70.21		

Total Residential Rates 2024-2025 - Full COS					
Frequency	60		90		
1 /week	\$	65.75	\$	75.50	

Total Residential Rates 2025-2026 - Full COS						
Frequency	60			90		
1 /week	\$	70.40	\$	80.89		

Total Residential Rates - 2022-2023 vs 2023-2024 \$\$ Change						
Frequency	60			90		
1 /week	\$	8.83	\$	9.35		

Total Residential Rates - 2023-2024 vs 2024-2025 \$\$ Change												
Frequency	60			90								
1 /week	\$	4.56	\$	5.29								

Total Residential Rates - 2	Total Residential Rates - 2024-2025 vs 2025-2026 \$\$ Chan											
Frequency	60)	90									
1 /week	\$	4.66	\$	5.39								

Frequency 60	90
1 /week 17%	15%

Total Residential Rates -	Total Residential Rates - 2023-2024 vs 2024-2025 % Change												
Frequency	60	90											
1 /week	7%	8%											

Total Residential Rates - 2024-2025 vs 2025-2026 %Change												
Frequency	60	90										
1 /week	7%	7%										

APPENDIX A-4: SOLID WASTE BIN COST OF SERVICE CALCULATIONS

Solid Waste Bin Cost of Service Calculations

F	•	Cost of Service Information
	103%	CPI INFLATION
		CITY OF TRACY
\$	204,021	
\$	87,375	City Contracted Services (Includes New Programs)
\$	174,430	City Commodities, ISC & other (Includes New Programs)
\$		Tracy Disposal General Admin
\$	298,914	Tracy Disposal Depreciation
\$	(123,909)	Non-Rate Revenue
\$	(9,200)	Double Counted Extra Cart Depreciation
\$		Operating Reserve
_	(:==)===)	- Faranga and a same
		New Program Depreciation
\$		New Program Direct Costs
\$	505,756	
\$		Tracy Disposal Direct Costs
	(231,183)	Frequency Surcharge
\$		Migration
_		
\$	-	New Program Disposal Costs
\$	2,701,570	
\$	2,701,570	Total Disposal Costs
\$	4,725,562	Total All Costs
\$	1,098,527	Fixed Cost
\$	925,465	MSW Collection Operations Costs
		·
\$	44.77	MSW Transfer/Disposal per Yard/Month
	155.71	MSW Pounds per Yard
	155.71	1 Yard MSW Pounds per Setout
	233.56	1.5 Yard MSW Pounds per Setout
	311.42	2 Yard MSW Pounds per Setout
	467.13	3 Yard MSW Pounds per Setout
	622.84	4 Yard MSW Pounds per Setout
	778.55	5 Yard MSW Pounds per Setout
	934.25	6 Yard MSW Pounds per Setout
	311.42	1 Yard COMP MSW Pounds per Setout
	622.84	2 Yard COMP MSW Pounds per Setout
	934.25	3 Yard COMP MSW Pounds per Setout
	1245.67	4 Yard COMP MSW Pounds per Setout
	1868.51	6 Yard COMP MSW Pounds per Setout
	40	Collection Body MSW Yards
	12.00	Collection Body MSW Tons
\$	2.30	Cost/min for additional freq. of service
_	10.0	
\$	22.97	
ş	22.97	Additional Service Frequency Cost - Bills

MSW Commercial Rates by Cost of Service Comp Comp Comp													
Container Size		1.5	2	3	4	6	2	3	4	6			
Annual Variable Route Costs	\$	925,465											
ECUs		4,205.64											
Annual Variable/ECU	\$	220.05											
Monthly Variable/ECU ECFs	\$	18.34 1.00	1.40	2.31	3.22	5.67	3.22	5.67	8.39	15.50			
Variable Route Costs/Month	\$	18.34 \$	25.72 \$	42.41 \$	59.09 \$	103.91 Š	59.09 \$	103.91 \$	153.83 \$	284.24			
Variable Route Costs/Month Fixed Costs/Account/Month	\$	18.34 \$ 120.45 \$	25.72 \$ 120.45 \$	42.41 \$ 120.45 \$	59.09 \$ 120.45 \$	103.91 \$ 120.45 \$	59.09 \$ 120.45 \$	103.91 \$ 120.45 \$	153.83 \$	120.45			
	\$	67.15 \$	89.53 \$	134.30 \$	179.07 \$	268.60 \$	268.60 \$	402.90 \$	537.20 \$	805.80			
MSW Txfr & Disp Cost/Month	\$	67.15 \$	89.53 \$	134.30 \$	1/9.0/ \$	268.60 \$	268.60 \$	402.90 \$	537.20 \$	805.80			
TOTAL MONTHLY RATE @ 1x/wk	\$	205.94 \$	235.71 \$	297.16 \$	358.61 \$	492.97 \$	448.14 \$	627.27 \$	811.48 \$	1,210.49			
Extra Container													
Disposal	\$	67.15 \$	89.53 \$	134.30 \$	179.07 \$	268.60 \$	268.60 \$	402.90 \$	537.20 \$	805.80			
Addl Fixed (Depreciation)	\$	5.50 \$	6.79 \$	7.94 \$	7.02 \$	10.37 \$	- \$	- \$	- \$	-			
Addl Operating Costs	\$	18.34 \$	25.72 \$	42.41 \$	59.09 \$	103.91 \$	59.09 \$	103.91 \$	153.83 \$	284.24			
Tatal Manakhir Data Fritza Cantainas	\$	00.00 ¢	122.04 €	104.05	245 10 . Ć	202.00 ¢	227.60 6	FOC 81 C	C01.03 ¢	1 000 0			
Total Monthly Rate Extra Container	\$	90.99 \$	122.04 \$	184.65 \$	245.18 \$	382.88 \$	327.69 \$	506.81 \$	691.03 \$	1,090.03			
Temporary Container Monthly Rate/4.33	\$	47.52 \$	54.39 \$	68.57 \$	82.76 \$	113.76 \$	103.42 \$	144.75 \$	187.27 \$	279.34			
Monthly Rate/4.55 Frequency Surcharge X2 (Drop-off and Pick		47.52 \$ 45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94			
Temporary Container Rate	\$	93.46 \$	100.33 \$	114.51 \$	128.69 \$	159.70 \$	149.35 \$	190.69 \$	233.20 \$	325.28			
remporary container kate	Ş	55.40 Ş	100.55 \$	114.31 3	120.05 \$	135.70 3	145.55 \$	150.05 \$	233.20 3	323.20			
Estimated Cost of Container	\$	660.37 \$	814.27 \$	952.79 \$	842.72 \$	1,243.87 \$	- \$	- \$	- \$	-			
Bin Depreciation (10 year life)	Ś	5.50 \$	6.79 \$	7.94 \$	7.02 \$	10.37 \$	- \$	- \$	- \$				
., ., ., .,													
PROOF of All Costs Included in the Rates:													
Total Carts		187	149	250	338	286	4	-	1	2			
Rates	\$	205.94 \$	235.71 \$	297.16 \$	358.61 \$	492.97 \$	448.14 \$	627.27 \$	811.48 \$	1,210.49			
First Cart Revenue	\$	462,130 \$	421,448 \$	891,475 \$	1,454,510 \$	1,691,858 \$	21,511 \$	- \$	9,738 \$	29,052			
Second Carts		7	7	18	50	18	-		1	9			
Rates	\$	90.99 \$	122.04 \$	184.65 \$	245.18 \$	382.88 \$	327.69 \$	506.81 \$	691.03 \$	1,090.03			
Second Cart Revenue	\$	7,643.22 \$	10,251.56 \$	39,883.44 \$	147,106.30 \$	82,701.82 \$	- \$	- \$	8,292.38 \$	117,723.56			
Total Revenue	\$	5,395,324											
Total Costs	\$	4,734,762											
	Ś	660,562											

APPENDIX A-5: RECYCLING BIN COST OF SERVICE CALCULATIONS

Recycling Bin – Cost of Service

	Recycling Bin – Cost of Service												
FY2021/22	Cost of Service Information		Recycli	ing Commercia	al Rates by Cost	of Service		Co	omp Con	np Con	np Co	omp	
1039	6 CPI INFLATION	Container Size		1.5	2	3	4	6	2	3	4	6	
	CITY OF TRACY												
\$ 7,052	City Personnel (Includes New Programs)												
	City Contracted Services (Includes New Programs)												
	City Commodities, ISC & other (Includes New Programs)												
	Tracy Disposal General Admin												
	Tracy Disposal Depreciation												
	Non-Rate Revenue												
) Double Counted Extra Cart Depreciation												
\$ (14,177	Operating Reserve												
	New Program Depreciation												
\$ -	New Program Direct Costs												
	Franchise Fee												
	Tracy Disposal Direct Costs												
	Frequency Surcharge												
\$ -	Migration												
		Annual Variable Route Costs	\$	37,514									
		ECUs		110									
\$ -	New Program Disposal Costs	Annual Variable/ECU		342.08									
\$ -	Recycling Transfer/Processing/Disposal Costs	Monthly Variable/ECU	\$	28.51	4.00	2.00	2.57		2.57	4.00	F 22		
\$ -	Total Disposal Costs	ECFs	_	1.00	1.33	2.00	2.67	4.00	2.67	4.00	5.33	8.00	
\$ 63.620		Variable Route Costs/Month	\$	28.51 \$	38.01 \$	57.01 \$	76.02 \$	114.03 \$	76.02 \$	114.03 \$	152.03 \$		
\$ 63,620	Total All Costs	Fixed Costs/Account/Month	\$	62.16 \$	62.16 \$	62.16 \$	62.16 \$	62.16 \$	62.16 \$	62.16 \$	62.16 \$		
		REC Txfr & Disp Cost/Month	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-	
\$ 26.106	Fixed Cost												
\$ 26,106	Inflation Factor												
\$ 37.514	REC Collection Operations Costs	TOTAL MONTHLY RATE @ 1x/wk	Ś	90.66 \$	100.17 \$	119.17 \$	138.17 \$	176.18 \$	138.17 \$	176.18 \$	214.19 \$	290.21	
\$ 37,514	REC Collection Operations Costs	TOTAL MONTHLY RATE @ 1x/wk	Ş	90.00 \$	100.17 \$	119.17 \$	150.17 \$	1/0.16 \$	130.17 \$	1/0.10 \$	214.19 \$	290.21	
\$ -	Recycling Transfer/Disposal per Yard/Month	Extra Container											
23.91	Recycling Pounds per Yard	Disposal	Ś	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	_	
23.91	1 Yard Recycling Pounds per Fard	Addl Fixed (Depreciation)	\$	5.50 \$	- 3 6.79 \$	- 3 7.94 \$	7.02 \$	10.37 \$	- \$ - \$	- \$	- \$		
35.86	1.5 Yard Recycling Pounds per Setout	Addl Operating Costs	\$	28.51 \$	38.01 \$	57.01 \$	76.02 \$	114.03 \$	76.02 \$	114.03 \$	152.03 \$		
47.82	2 Yard Recycling Pounds per Setout	Addi Operating Costs	۶	28.31 3	36.01 3	37.01 3	70.02 3	114.03 3	70.02 3	114.03 \$	132.03 \$	228.03	
71.73	3 Yard Recycling Pounds per Setout	Total Monthly Rate Extra Container	\$	34.01 \$	44.79 \$	64.95 \$	83.04 \$	124.39 \$	76.02 \$	114.03 \$	152.03 \$	228.05	
95.63	4 Yard Recycling Pounds per Setout	Temporary Container	Ÿ	34.01 Ş	44.75 \$	04.55 Ş	03.04 Ş	124.55 9	70.02 9	114.03 Ş	132.03 9	220.03	
119.54	5 Yard Recycling Pounds per Setout	Monthly Rate/4.33	Ś	20.92 \$	23.12 \$	27.50 \$	31.89 \$	40.66 \$	31.89 \$	40.66 \$	49.43 \$	66.97	
143.45	6 Yard Recycling Pounds per Setout	Frequency Surcharge X2 (Drop-off and Pi		45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$	45.94 \$		
47.82	1 Yard COMP Recycling Pounds per Setout	Temporary Container Rate	Ś	66.86 \$	69.05 \$	73.44 \$	77.82 \$	86.59 \$	77.82 \$	86.59 \$	95.37 \$		
95.63	2 Yard COMP Recycling Pounds per Setout	remporary container nate	Ÿ	00.00 Ş	۷٥.٥٥ ۶	75.44 9	77.02 Ş	۷٥.55 ې	77.02 9	00.55 Ş	JJ.J/ ¥	112.51	
143.45	3 Yard COMP Recycling Pounds per Setout	Estimated Cost of Container	\$	660.37 \$	814.27 \$	952.79 \$	842.72 \$	1,243.87 \$	- \$	- \$	- \$	-	
191.27	4 Yard COMP Recycling Pounds per Setout	Bin Depreciation (10year life)	Ś	5.50 \$	6.79 \$	7.94 \$	7.02 \$	10.37 \$	- \$	- \$	- \$		
286.90	6 Yard COMP Recycling Pounds per Setout	bin bepreciation (10year me)	,	5.50 \$	0.75 \$	7.54 \$	7.02 9	10.57 \$			_		
	Number of Accounts												
40	Collection Body Recycling Yards	PROOF of All Costs Included in the Rate	c·										
12.00	Collection Body Recycling Tons	Total Carts	J.	9	7	9	11	7					
12.00	Collection Body Recycling Tons	Rates	Ś	90.66 \$	100.17 \$	119.17 \$	138.17 \$	176.18 \$	138.17 \$	176.18 \$	214.19 \$	290.21	
\$ 2.30	Cost/min for additional freq. of service	First Cart Revenue	Ś	9,792 \$	8,414 \$	12,870 \$	18,239 \$	14,799 \$	- \$	- \$	- \$	-	
T	Additional Service Frequency Time (Minutes)	i ii se cai e nevellue	٠	3,132 \$	0,414 3	12,070 \$	10,235 \$	14,755 \$	- >	- ş	- 3	-	
	Additional Service Frequency Cost	Second Carts		_	10		1		-	_	-		
22.97	nadicional service requestry cost	Rates	Ś	34.01 \$	44.79 \$	64.95 \$	83.04 \$	124.39 \$	76.02 \$	114.03 \$	152.03 \$	228.05	
		Second Cart Revenue	\$	34.U1 \$ - \$	5,375.28 \$	64.95 \$ - \$	996.47 \$	124.39 \$ - \$	76.02 \$ - \$	- \$	152.03 \$		
		Second Cart Revenue	ې	- >	3,373.28 \$	- \$	990.47 \$	- \$	- \$	- \$	- \$		
		Total Revenue	Ś	70.496									
				70,486									
1		Total Costs	\$	64,519									
I			\$	5,967									

APPENDIX A-6: ORGANICS BIN COST OF SERVICE CALCULATIONS

Organics Bin – Cost of Service

FY2021/2	2 Cost of Service Information	Organics	Organics Commercial Rates by Cost of Service										
	103% CPI INFLATION	Container Size		1.5		2	3						
	CITY OF TRACY	—				_	-						
\$ 1	,042 City Personnel (Includes New Programs)												
	467 City Contracted Services (Includes New Programs)												
\$	902 City Commodities, ISC & other (Includes New Programs)												
	,937 Tracy Disposal General Admin												
	,445 Tracy Disposal Depreciation												
	(640) Non-Rate Revenue												
	(102) Double Counted Extra Cart Depreciation												
\$ (2	,138) Operating Reserve												
	New Program Depreciation												
\$	- New Program Direct Costs												
	,841 Franchise Fee												
	,988 Tracy Disposal Direct Costs												
	(827) Frequency Surcharge	\$	47,111										
\$	- Migration	Annual Variable Route Costs	\$	5,162									
		ECUs		16									
\$	- New Program Disposal Costs	Annual Variable/ECU	\$	316									
	,198 Organics Transfer/Processing/Disposal Costs	Monthly Variable/ECU	\$	26.33									
\$ 34	,198 Total Disposal Costs	ECF's		1.00		1.33	2.00						
		Variable Route Costs/Month		26.33		35.11	52.67						
\$ 47	,111 Total All Costs	Fixed Costs/Account/Month		92.29		92.29	92.29						
		ORG Txfr & Disp Cost/Month	\$	174.48	\$	232.64	348.95						
\$ 7	,752 Fixed Cost												
• .	0% Inflation Factor												
\$ 5	,162 Organics Collection Operations Costs	TOTAL MONTHLY RATE @ 1x/w	/k \$	293.10	¢	360.04	493.91						
<u> </u>	Joe Organics Concetton Operations costs	TOTAL WORTHER HATE @ 13, W	rk y	255.10	· ·	300.04	755.51						
\$ 11	6.32 Organics Transfer/Disposal per Yard/Month	Extra Container											
3	34.89 Organics Pounds per Yard	Disposal	\$	174.48	\$	232.64	348.95						
3	34.89 1 Yard Organics Pounds per Setout	Addl Fixed (Depreciation)	\$	6.90	\$	8.54	10.03						
	52.33 1.5 Yard Organics Pounds per Setout	Addl Operating Costs	\$	26.33	\$	35.11	52.67						
6	59.78 2 Yard Organics Pounds per Setout												
10	04.67 3 Yard Organics Pounds per Setout	Total Monthly Rate Extra Conta	iner \$	207.71	\$	276.28	411.66						
	59.78 1 Yard COMP Organics Pounds per Setout												
	39.55 2 Yard COMP Organics Pounds per Setout	Estimated Cost of Container	\$	828.37	\$	1,024.27	1,203.79						
	09.33 3 Yard COMP Organics Pounds per Setout	Bin Depreciation (10year life)	\$	6.90		8.54							
	7 Number of Accounts				•								
40	Collection Body ORG Yards	PROOF of All Costs Included in	the Rates:										
12.00	Collection Body ORG Tons	Total Carts		1		6	3						
		Rates	\$	293.10	Ś	360.04							
		First Cart Revenue	\$	3,517		25,923							
Ś	2.30 Cost/min for additional freq. of service												
	2.30 Cost/min for additional freq. of service												
\$ 1	0.00 Additional Service Frequency Time (Minutes)	Second Carts				1	<u>.</u>						
\$ 1		Second Carts Rates		- 207 71	\$	1 276.28	-						
\$ 1	0.00 Additional Service Frequency Time (Minutes)	Second Carts Rates Second Cart Revenue	\$ \$	- 207.71 -	\$ \$	1 276.28 3,315.42							
\$ 1	0.00 Additional Service Frequency Time (Minutes)	Rates Second Cart Revenue	\$	-		276.28							
\$ 1	0.00 Additional Service Frequency Time (Minutes)	Rates				276.28							

APPENDIX A-7: COMMERCIAL CART AND BIN RATES – COST OF SERVICE

Commercial Cart and Bin Rates - Cost of Service - FY 2019-2020 and FY 2021-2022

						Com	m	erciai	Ca	irt and	IB	in Kat	es	- Cos
	Current Commercial MSW Rates - Approved													
Frequency		60		90		1.5		2		3		4		6
1 /week	69	39.70	\$	51.85	\$	148.20	\$	191.85	\$	257.55	\$	322.65	\$	440.55
2 /week	69	79.40	\$	103.70	\$	296.40	\$	383.70	\$	515.10	\$	645.30	\$	881.10
3 /week	69	119.10	\$	155.55	\$	444.60	\$	575.55	\$	772.65	\$	967.95	\$	1,321.65
4 /week	\$	158.80	\$	207.40	\$	592.80	\$	767.40	\$	1,030.20	\$	1,290.60	\$	1,762.20
5 /week	\$	198.50	\$	259.25	\$	741.00	\$	959.25	\$	1,287.75	\$	1,613.25	\$	2,202.75
6 /week	69	238.20	\$	311.10	\$	889.20	\$	1,151.10	\$	1,545.30	\$	1,935.90	\$	2,643.30
Temporary		N/A		N/A	\$	40.65	\$	55.10	\$	77.70	\$	99.80	\$	140.05
Second Container	\$	39.70	\$	51.85	\$	148.20	\$	191.85	\$	257.55	\$	322.65	\$	440.55
		Curre	nt	Recycli	ng	Comme	rci	al Rates	: - <i>I</i>	Approve	d			
Frequency				96*		1.5		2		3		4		6
1 /week			\$	43.60	\$	130.90	\$	169.70	\$	226.00	\$	280.40	\$	377.15

	Current Recycling Commercial Rates - Approved													
	F													
Frequency		96*		1.5		2		3		4		6		
1 /week		\$ 43.60	\$	130.90	69	169.70	\$	226.00	69	280.40	69	377.15		
2 /week		N/A	\$	261.80	69	339.40	\$	452.00	69	560.80	69	754.30		
3 /week		N/A	\$	392.70	\$	509.10	\$	678.00	69	841.20	\$	1,131.45		
4 /week		N/A	\$	523.60	69	678.80	\$	904.00	69	1,121.60	69	1,508.60		
5 /week		N/A	\$	654.50	69	848.50	\$	1,130.00	69	1,402.00	69	1,885.75		
6 /week		N/A	\$	785.40	\$	1,018.20	\$	1,356.00	\$	1,682.40	\$	2,262.90		
Temporary		N/A	\$	35.55	69	48.50	\$	68.70	69	88.45	69	124.55		
Second Container		\$ -	\$	130.90	69	169.70		226.00	69	280.40	69	377.15		
*Combination Rate for	r a 96 Gallon	Recycling and	d a	96 Gallon \	arc	Waste Co	nta	iner.						

	Current Organic Commercial Bin Rates - Approved														
Frequency		96*			1.5		2		3						
1 /week		\$ 4	3.60	69	130.90	69	169.70	69	226.00						
2 /week		N/A		\$	261.80	69	339.40	69	452.00						
3 /week		N/A		\$	392.70	\$	509.10	\$	678.00						
4 /week		N/A		\$	523.60	\$	678.80	\$	904.00						
5 /week		N/A		\$	654.50	\$	848.50	69	1,130.00						
6 /week		N/A		\$	785.40	\$	1,018.20	\$	1,356.00						
Second Container	•	\$	8.70	\$	130.90	\$	169.70	\$	226.00						

^{*}Combination Rate for a 96 Gallon Recycling and a 96 Gallon Yard Waste Container.

	Current M	sw	Comm	erci	ial Rate	s	Approv	ed	- COMP	ACTOR	
Frequency			2		3		4		6		
1 /week											
2 /week											
3 /week											
4 /week											
5 /week											
6 /week											
Per Pickup		\$	222.45	\$	236.10	\$	249.75	\$	284.50		
Second Containe	r										

R	ecycling Co	omr	mercial	Rat	tes - (1	9-2	0 Appro	ove	d) COM	PACTOR	
Frequency			2		3		4		6		
1 /week											
2 /week											
3 /week											
4 /week											
5 /week											
6 /week											
Per Pickup		\$	210.75	\$	221.50	\$	232.25	\$	259.55		
Second Container											

		202	21/	2022 C	om	mercial	М	SW Rate	s -	Full COS		
Frequency		60		90		1.5		2		3	4	6
1 /week	\$	23.05	\$	31.23	\$	205.94	\$	235.71	\$	297.16	\$ 358.61	\$ 492.97
2 /week	\$	49.76	\$	66.13	\$	314.40	\$	373.93	\$	496.83	\$ 619.73	\$ 888.45
3 /week	69	76.47	\$	101.03	69	422.85	69	512.16	69	696.51	\$ 880.85	\$ 1,283.93
4 /week	69	103.19	\$	135.93	69	531.31	\$	650.39	\$	896.18	\$ 1,141.98	\$ 1,679.41
5 /week	69	129.90	\$	170.83	\$	639.76	69	788.61	69	1,095.85	\$ 1,403.10	\$ 2,074.89
6 /week	69	156.62	\$	205.72	\$	748.22	\$	926.84	69	1,295.53	\$ 1,664.22	\$ 2,470.37
Temporary Container		N/A		N/A	\$	93.46	\$	100.33	\$	114.51	\$ 128.69	\$ 159.70
Second Container	\$	16.07	\$	24.37	\$	90.99	\$	122.04	\$	184.65	\$ 245.18	\$ 382.88

	2021,	/20	22 Rec	ycl	ing Con	ım	ercial Ra	tes	- Full Co	os					
	Fraguency 96 15 2 2 4 6														
Frequency			96		1.5		2		3		4		6		
1 /week		69	6.68	69	90.66	69	100.17	69	119.17	\$	138.17	(\$	176.18		
2 /week		\$	21.47	\$	142.14	49	161.14	49	199.15	\$	237.16	\$	313.18		
3 /week		\$	36.26	\$	193.61	\$	222.12	\$	279.13	\$	336.15	\$	450.17		
4 /week		\$	51.05	\$	245.09	\$	283.10	\$	359.11	\$	435.13	\$	587.16		
5 /week		\$	65.84	\$	296.56	\$	344.07	\$	439.09	\$	534.12	\$	724.16		
6 /week		\$	80.63	\$	348.04	\$	405.05	\$	519.08	\$	633.10	\$	861.15		
Temporary Container			N/A	\$	66.86	\$	69.05	\$	73.44	\$	77.82	\$	86.59		
Second Container		\$	4.27	\$	34.01	49	44.79	69	64.95	\$	83.04	\$	124.39		

	2021/2	2022 Or	gar	nic Comn	ner	cial Rate	es ·	- Full CC	S		
Frequency		96		1.5		2		3		4	
1 /week	\$	11.45	\$	293.10	\$	360.04	\$	493.91	\$	658.55	
2 /week	\$	29.74	\$	516.88	\$	650.76	\$	918.50	\$	1,224.67	
3 /week	\$	48.03	\$	740.66	\$	941.47	\$	1,343.10	\$	1,790.80	
4 /week	\$	66.32	\$	964.44	69	1,232.19	69	1,767.69	\$	2,356.92	
5 /week	\$	84.61	\$	1,188.22	\$	1,522.91	\$	2,192.28	\$	2,923.04	
6 /week	\$	102.90	\$	1,412.00	\$	1,813.63	\$	2,616.87	\$	3,489.16	
Second Container	\$	7.77	\$	207.71	\$	276.28	\$	411.66	\$	548.87	

2021/20	022 MSW C	om	mercial	Rat	es - Full	CC	S COME	PACTOR						
Frequency	2		3		4		6							
1 /week	\$ 517.05	\$	696.17	\$	880.39	\$	1,279.39							
2 /week	\$ 936.61	\$	1,294.86	\$	1,663.30	\$	2,461.30							
3 /week	\$ 1,356.17	\$	1,893.54	\$	2,446.20	\$	3,643.20							
4 /week	\$ 1,775.73	69	2,492.23	\$	3,229.11	\$	4,825.11							
5 /week	\$ 2,195.29	\$	3,090.92	\$	4,012.01	\$	6,007.02							
6 /week	\$ 2,614.85	\$	3,689.60	\$	4,794.92	\$	7,188.93							
Per Pickup - Compactor	\$ 218.26	\$	259.60	\$	302.11	\$	394.19							
Second Container	\$ 327.69	\$	506.81	\$	691.03	\$	1,090.03							

2021/2	2022 Recycling	Со	mmercia	l R	ates - Fu	II (OS CON	1PACTOR							
Frequency	2		3		4		6								
1 /week	\$ 207.08	\$	245.09	\$	283.10	\$	359.11								
2 /week	\$ 374.97	\$	450.99	\$	527.00	\$	679.04								
3 /week	\$ 542.86	\$	656.89	\$	770.91	\$	998.96								
4 /week	\$ 710.75	\$	862.79	\$	1,014.82	\$	1,318.89								
5 /week	\$ 878.64	\$	1,068.68	\$	1,258.73	\$	1,638.81								
6 /week	\$ 1,046.53	\$	1,274.58	\$	1,502.63	\$	1,958.74								
Per Pickup	\$ 146.73	69	155.50	\$	164.27	()	181.81								
Second Container	\$ 76.02	\$	114.03	\$	152.03	\$	228.05								

APPENDIX A-7: COMMERCIAL CART AND BIN RATES – COST OF SERVICE

Commercial Cart and Bin Rates - Cost of Service - FY 2022-2023 and FY 2023-2024

	202	22/	2023 Co	mı	mercial	MS	W Rates	- F	ull COS		
Frequency	60		90		1.5		2		3	4	6
1 /week	\$ 24.73	\$	33.25	\$	215.20	\$	246.35	\$	310.74	\$ 375.12	\$ 516.45
2 /week	\$ 52.37	\$	69.40	\$	328.12	\$	390.41	\$	519.18	\$ 647.96	\$ 930.62
3 /week	\$ 80.00	\$	105.55	\$	441.03	\$	534.47	\$	727.63	\$ 920.79	\$ 1,344.78
4 /week	\$ 107.63	\$	141.70	\$	553.94	\$	678.53	\$	936.08	\$ 1,193.62	\$ 1,758.95
5 /week	\$ 135.26	\$	177.86	\$	666.85	\$	822.59	\$	1,144.52	\$ 1,466.46	\$ 2,173.11
6 /week	\$ 162.89	\$	214.01	\$	779.77	\$	966.65	\$	1,352.97	\$ 1,739.29	\$ 2,587.27
Temporary Container	N/A		N/A	\$	96.98	\$	104.17	\$	119.02	\$ 133.88	\$ 166.50
Second Container	\$ 16.65	\$	25.29	\$	94.92	\$	127.39	\$	192.97	\$ 256.41	\$ 401.18

20)23	3/2024	Co	ommerci	al	MSW Ra	te	s - Full C	os	vs Curre	nt l	Rates	
Frequency		60		90		1.5		2		3		4	6
1 /week	\$	29.03	\$	38.06	\$	264.40	\$	297.03	\$	364.61	\$	432.18	\$ 581.12
2 /week	\$	57.92	\$	75.98	\$	382.08	\$	447.35	\$	582.49	\$	717.64	\$ 1,015.51
3 /week	\$	86.80	\$	113.90	\$	499.75	\$	597.66	\$	800.38	\$	1,003.09	\$ 1,449.91
4 /week	\$	115.69	\$	151.82	\$	617.43	\$	747.98	\$	1,018.26	\$	1,288.55	\$ 1,884.31
5 /week	\$	144.58	\$	189.74	\$	735.11	\$	898.29	\$	1,236.15	\$	1,574.01	\$ 2,318.70
6 /week	\$	173.47	\$	227.66	\$	852.79	\$	1,048.61	\$	1,454.04	\$	1,859.47	\$ 2,753.10
Temporary Container		N/A		N/A	\$	109.75	\$	117.28	\$	132.87	\$	148.47	\$ 182.84
Second Container	\$	17.57	\$	26.72	\$	99.15	\$	133.15	\$	201.94	\$	268.54	\$ 421.03

	2022/2023 Recycling Commercial Rates - Full COS													
Frequency		96		1.5		2	Γ	3		4		6		
1 /week	\$	8.91	\$	96.97	\$	107.34	\$	128.06	\$	148.78	\$	190.23		
2 /week	\$	25.39	\$	151.72	\$	172.44	\$	213.89	\$	255.33	\$	338.23		
3 /week	\$	41.87	\$	206.46	\$	237.54	\$	299.72	\$	361.89	\$	486.23		
4 /week	\$	58.35	\$	261.20	\$	302.65	\$	385.54	\$	468.44	\$	634.22		
5 /week	\$	74.83	\$	315.95	\$	367.75	\$	471.37	\$	574.99	\$	782.22		
6 /week	\$	91.31	\$	370.69	\$	432.86	\$	557.20	\$	681.54	\$	930.22		
Temporary Container		N/A	\$	69.69	\$	72.09	\$	76.87	\$	81.65	\$	91.21		
Second Container	\$	5.64	\$	36.75	\$	48.44	\$	70.35	\$	90.13	\$	135.02		

	2023/2	024 Rec	ycli	ng Com	me	rcial Rat	es -	Full CO	S		
Frequency		96		1.5		2		3		4	6
1 /week	\$	11.20	\$	137.07	\$	148.46	\$	171.24	\$	194.02	\$ 239.59
2 /week	\$	28.41	\$	195.61	\$	218.39	\$	263.95	\$	309.52	\$ 400.64
3 /week	\$	45.63	\$	254.15	\$	288.32	\$	356.66	\$	425.01	\$ 561.70
4 /week	\$	62.85	\$	312.69	\$	358.25	\$	449.38	\$	540.50	\$ 722.70
5 /week	\$	80.06	\$	371.23	\$	428.18	\$	542.09	\$	656.00	\$ 883.8
6 /week	\$	97.28	\$	429.77	\$	498.11	\$	634.80	\$	771.49	\$ 1,044.87
Temporary Container		N/A	\$	80.37	\$	82.99	\$	88.25	\$	93.51	\$ 104.02
Second Container	\$	6.05	\$	40.01	\$	52.76	\$	76.77	\$	98.58	\$ 147.69

	2022	2/20	023 Org	ani	c Comm	erc	ial Rates	-	Full COS		
Frequency			96		1.5		2		3	4	6
1 /week		\$	15.46	\$	305.15	\$	374.67	\$	513.73		
2 /week		\$	36.24	\$	537.38	\$	676.44	\$	954.55		
3 /week		\$	57.02	\$	769.62	\$	978.20	\$	1,395.37		
4 /week		\$	77.79	\$	1,001.86	\$	1,279.97	\$	1,836.19		
5 /week		\$	98.57	\$	1,234.10	\$	1,581.74	\$	2,277.01		
6 /week		\$	119.34	\$	1,466.34	\$	1,883.50	\$	2,717.83		
Second Container		\$	9.94	\$	215.48	\$	286.64	\$	427.19		

	2023/2024 Organic Commercial Rates - Full COS												
Frequency		96		1.5		2		3					
1 /week	\$	17.68	\$	342.99	\$	415.33	\$	560.01					
2 /week	\$	39.38	\$	584.38	\$	729.06	\$	1,018.42					
3 /week	\$	61.09	\$	825.76	\$	1,042.78	\$	1,476.82					
4 /week	\$	82.79	\$	1,067.15	\$	1,356.51	\$	1,935.23					
5 /week	\$	104.50	\$	1,308.54	\$	1,670.24	\$	2,393.64					
6 /week	\$	126.20	\$	1,549.92	\$	1,983.96	\$	2,852.04					
Second Container	\$	10.54	\$	223.92	\$	297.90	\$	444.07					

2022	/2023	MSW Co	mn	nercial R	ate	s - Full C	OS	COMPA	CTOR	
	,									
Fraguency		2		3		4		6		
Frequency				3		4		U		
1 /week	\$	538.32	\$	725.76	\$	918.78	\$	1,338.30		
2 /week	\$	974.34	\$	1,349.22	\$	1,735.26	\$	2,574.32		
3 /week	\$	1,410.37	\$	1,972.69	\$	2,551.75	\$	3,810.33		
4 /week	\$	1,846.39	\$	2,596.15	\$	3,368.23	\$	5,046.34		
5 /week	\$	2,282.42	\$	3,219.62	\$	4,184.72	\$	6,282.35		
6 /week	\$	2,718.44	\$	3,843.08	\$	5,001.21	\$	7,518.37		
Per Pickup - Compactor	\$	226.14	\$	269.39	\$	313.93	\$	410.75		
Second Container	\$	341.39	\$	528.83	\$	721.86	\$	1,141.38		

	2023/2024 MSW Commercial Rates - Full COS COMPACTOR												
Frequency			2		3		4		6				
1 /week		\$	600.26	\$	796.70	\$	999.26	\$	1,441.17				
2 /week		\$	1,053.81	\$	1,446.67	\$	1,851.80	\$	2,735.62				
3 /week		\$	1,507.36	\$	2,096.65	\$	2,704.34	\$	4,030.07				
4 /week		\$	1,960.90	\$	2,746.63	\$	3,556.88	\$	5,324.52				
5 /week		\$	2,414.45	\$	3,396.60	\$	4,409.42	\$	6,618.97				
6 /week		\$	2,867.99	\$	4,046.58	\$	5,261.95	\$	7,913.42				
Per Pickup - Compacto	r	\$	243.49	\$	288.82	\$	335.56	\$	437.54				
Second Container		\$	356.08	\$	552.51	\$	755.07	\$	1,196.98				

2022/	2022/2023 Recycling Commercial Rates - Full COS COMPACTOR												
Frequency		2	1	2		4		6					
<u> </u>		2 20 70	Φ.	3	•	7	\$	-					
1 /week	\$	219.76	\$	261.20	\$	302.65		385.54					
2 /week	\$	396.59	\$	479.48	\$	562.38	\$	728.17					
3 /week	\$	573.43	\$	697.77	\$	822.11	\$	1,070.79					
4 /week	\$	750.26	\$	916.05	\$	1,081.84	\$	1,413.41					
5 /week	\$	927.10	\$	1,134.33	\$	1,341.56	\$	1,756.03					
6 /week	\$	1,103.93	\$	1,352.61	\$	1,601.29	\$	2,098.66					
Per Pickup	\$	152.62	\$	162.19	\$	171.75	\$	190.88					
Second Container	\$	82.89	\$	124.34	\$	165.79	\$	248.68					

	2023/2024 I	Rec	cycling (Con	nmercial	Ra	tes - Full	CC	os com	PACTOR	
Frequency			2		3		4		6		
1 /week		\$	267.12	\$	312.69	\$	358.25	\$	449.38		
2 /week		\$	454.32	\$	545.45	\$	636.57	\$	818.83		
3 /week		\$	641.52	\$	778.21	\$	914.90	\$	1,188.27		
4 /week		\$	828.71	\$	1,010.97	\$	1,193.22	\$	1,557.72		
5 /week		\$	1,015.91	\$	1,243.73	\$	1,471.54	\$	1,927.17		
6 /week		\$	1,203.11	\$	1,476.49	\$	1,749.86	\$	2,296.62		
Per Pickup		\$	166.61	\$	177.13	\$	187.64	\$	208.67		
Second Container		\$	91.13	\$	136.69	\$	182.25	\$	273.38		

APPENDIX A-7: COMMERCIAL CART AND BIN RATES – COST OF SERVICE

Commercial Cart and Bin Rates - Cost of Service - FY 2024-2025 and FY 2025-2026

	2024/2025 Commercial MSW Rates - Full COS														
Frequency		60		90		1.5		2		3		4		6	
1 /week	\$	31.23	\$	40.99	\$	271.00	\$	305.69	\$	377.72	\$	449.75	\$	609.68	
2 /week	\$	61.74	\$	81.25	\$	394.88	\$	464.26	\$	608.32	\$	752.37	\$	1,072.24	
3 /week	\$	92.25	\$	121.51	\$	518.76	\$	622.83	\$	838.91	\$	1,055.00	\$	1,534.81	
4 /week	\$	122.76	\$	161.78	\$	642.63	\$	781.40	\$	1,069.51	\$	1,357.63	\$	1,997.37	
5 /week	\$	153.27	\$	202.04	\$	766.51	\$	939.97	\$	1,300.11	\$	1,660.26	\$	2,459.93	
6 /week	\$	183.78	\$	242.31	\$	890.39	\$	1,098.54	\$	1,530.71	\$	1,962.88	\$	2,922.49	
Temporary Container		N/A		N/A	\$	112.73	\$	120.74	\$	137.36	\$	153.98	\$	190.89	
Second Container	\$	18.83	\$	28.71	\$	104.79	\$	140.89	\$	214.18	\$	285.20	\$	448.79	

	2024/	202	25 Recyc	clin	g Comn	nei	cial Rate	es -	Full CO	S		
Frequency			96		1.5		2		3		4	6
1 /week		\$	12.26	\$	145.54	\$	158.64	\$	184.83	\$	211.03	\$ 263.42
2 /week		\$	30.42	\$	209.93	\$	236.13	\$	288.52	\$	340.90	\$ 445.68
3 /week		\$	48.59	\$	274.32	\$	313.61	\$	392.20	\$	470.78	\$ 627.94
4 /week		\$	66.75	\$	338.71	\$	391.10	\$	495.88	\$	600.65	\$ 810.21
5 /week		\$	84.91	\$	403.10	\$	468.59	\$	599.56	\$	730.53	\$ 992.47
6 /week		\$	103.08	\$	467.49	\$	546.07	\$	703.24	\$	860.40	\$ 1,174.73
Temporary Container	N/A		N/A	\$	83.78	\$	86.81	\$	92.85	\$	98.90	\$ 110.99
Second Container		\$	6.66	\$	45.30	\$	59.80	\$	87.26	\$	112.45	\$ 168.49

	2024/20	25 Orga	ni	Comme	erc	ial Rates	; -	Full COS	3	
Frequency		96		1.5		2		3		
1 /week	\$	18.94	\$	357.73	\$	433.62	\$	585.40		
2 /week	\$	41.79	\$	610.50	\$	762.29	\$	1,065.85		
3 /week	\$	64.65	\$	863.28	\$	1,090.95	\$	1,546.30		
4 /week	\$	87.50	\$	1,116.05	\$	1,419.61	\$	2,026.75		
5 /week	\$	110.35	\$	1,368.82	\$	1,748.28	\$	2,507.19		
6 /week	\$	133.20	\$	1,621.59	\$	2,076.94	\$	2,987.64		
Second Container	\$	11.35	\$	234.58	\$	312.10	\$	465.38		

20	2024/2025 MSW Commercial Rates - Full COS COMPACTOR													
Frequency		2		3		4		6						
1 /week		\$ 622.88	\$	831.73	\$	1,047.64	\$	1,521.80						
2 /week		\$ 1,098.63	\$	1,516.34	\$	1,948.16	\$	2,896.48						
3 /week		\$ 1,574.39	\$	2,200.95	\$	2,848.68	\$	4,271.16						
4 /week		\$ 2,050.15	\$	2,885.56	\$	3,749.20	\$	5,645.84						
5 /week		\$ 2,525.91	\$	3,570.17	\$	4,649.72	\$	7,020.52						
6 /week		\$ 3,001.66	\$	4,254.78	\$	5,550.24	\$	8,395.20						
Per Pickup - Compactor		\$ 251.86	\$	300.05	\$	349.88	\$	459.30						
Second Container		\$ 375.36	\$	584.22	\$	800.13	\$	1,274.29						

2024/2	2024/2025 Recycling Commercial Rates - Full COS COMPACTOR														
Frequency															
1 /week	\$	286.32	\$	338.71	\$	391.10	\$	495.88							
2 /week	\$	489.36	\$	594.14	\$	698.92	\$	908.47							
3 /week	\$	692.40	\$	849.57	\$	692.40	\$	849.57							
4 /week	\$	895.44	\$	1,105.00	\$	1,314.55	\$	1,733.66							
5 /week	\$	1,098.48	\$	1,360.43	\$	1,622.37	\$	2,146.25							
6 /week	\$	1,301.52	\$	1,615.86	\$	1,930.19	\$	2,558.85							
Per Pickup	\$	174.19	\$	186.28	\$	198.37	\$	222.55							
Second Container	\$	104.78	\$	157.17	\$	209.55	\$	314.33							

	202	5/2	026 Coi	nn	nercial N	۷S۱	W Rates	- F	ull COS		
Frequency	60		90		1.5		2		3	4	6
1 /week	\$ 33.48	\$	43.97	\$	277.86	\$	314.62	\$	391.13	\$ 467.64	\$ 638.60
2 /week	\$ 65.64	\$	86.63	\$	408.01	\$	481.52	\$	634.54	\$ 787.55	\$ 1,129.48
3 /week	\$ 97.81	\$	129.28	\$	538.15	\$	648.42	\$	877.95	\$ 1,107.47	\$ 1,620.35
4 /week	\$ 129.97	\$	171.94	\$	668.29	\$	815.33	\$	1,121.36	\$ 1,427.39	\$ 2,111.23
5 /week	\$ 162.14	\$	214.59	\$	798.44	\$	982.23	\$	1,364.76	\$ 1,747.30	\$ 2,602.11
6 /week	\$ 194.30	\$	257.25	\$	928.58	\$	1,149.13	\$	1,608.17	\$ 2,067.22	\$ 3,092.99
Temporary Container	N/A		N/A	\$	115.82	\$	124.31	\$	141.96	\$ 159.62	\$ 199.07
Second Container	\$ 20.12	\$	30.73	\$	110.49	\$	148.69	\$	226.49	\$ 301.97	\$ 476.69

	2025/2026 Recycling Commercial Rates - Full COS														
Frequency			96		1.5		2		3		4		6		
1 /week		\$	13.34	\$	154.28	\$	169.14	\$	198.84	\$	228.55	\$	287.97		
2 /week		\$	32.47	\$	224.70	\$	254.41	\$	313.82	\$	373.24	\$	492.08		
3 /week		\$	51.60	\$	295.11	\$	339.67	\$	428.80	\$	517.93	\$	696.19		
4 /week		\$	70.74	\$	365.53	\$	424.94	\$	543.78	\$	662.62	\$	900.29		
5 /week		\$	89.87	\$	435.94	\$	510.21	\$	658.76	\$	807.31	\$	1,104.40		
6 /week		\$	109.00	\$	506.36	\$	595.48	\$	773.74	\$	951.99	\$	1,308.51		
Temporary Container	N/A		N/A	\$	87.31	\$	90.73	\$	97.59	\$	104.45	\$	118.16		
Second Container		\$	7.29	\$	50.76	\$	67.06	\$	98.06	\$	126.74	\$	189.92		

	2025/2026 Organic Commercial Rates - Full COS													
Frequency	Frequency 96 1.5 2 3													
1 /week		\$	20.24	\$	372.92	\$	452.47	\$	611.57					
2 /week		\$	44.27	\$	637.42	\$	796.52	\$	1,114.72					
3 /week		\$	68.29	\$	901.92	\$	1,140.57	\$	1,617.87					
4 /week		\$	92.32	\$	1,166.42	\$	1,484.62	\$	2,121.02					
5 /week		\$	116.35	\$	1,430.92	\$	1,828.67	\$	2,624.16					
6 /week		\$	140.38	\$	1,695.42	\$	2,172.72	\$	3,127.31					
Second Container		\$	12.18	\$	245.55	\$	326.73	\$	487.33					

2025/2026	2025/2026 MSW Commercial Rates - Full COS COMPACTOR											
Frequency		2		3		4		6				
1 /week	\$	645.96	\$	867.31	\$	1,096.63	\$	1,603.13				
2 /week	\$	1,144.20	\$	1,586.89	\$	2,045.54	\$	3,058.54				
3 /week	\$	1,642.44	\$	2,306.48	\$	2,994.45	\$	4,513.96				
4 /week	\$	2,140.68	\$	3,026.07	\$	3,943.36	\$	5,969.37				
5 /week	\$	2,638.92	\$	3,745.65	\$	4,892.27	\$	7,424.78				
6 /week	\$	3,137.16	\$	4,465.24	\$	5,841.18	\$	8,880.20				
Per Pickup - Compactor	\$	260.43	\$	311.51	\$	364.43	\$	481.31				
Second Container	\$	394.84	\$	616.18	\$	845.50	\$	1,352.01				

202	2025/2026 Recycling Commercial Rates - Full COS COMPACTOR											
Frequency		2		3		4		6				
1 /week	\$	306.11	\$	365.53	\$	424.94	\$	543.78				
2 /week	9	525.47	\$	644.30	\$	763.14	\$	1,000.81				
3 /week	\$	744.83	\$	923.08	\$	1,101.34	\$	1,457.85				
4 /week	\$	964.18	\$	1,201.86	\$	1,439.53	\$	1,914.88				
5 /week	\$	1,183.54	\$	1,480.64	\$	1,777.73	\$	2,371.91				
6 /week	\$	1,402.90	\$	1,759.41	\$	2,115.92	\$	2,828.95				
Per Pickup	\$	182.00	\$	195.71	\$	209.42	\$	236.85				
Second Container	9	118.84	\$	178.26	\$	237.67	\$	356.51				

APPENDIX A-8: ROLL OFF COST OF SERVICE CALCULATIONS

Roll-Off All Materials - Cost of Service

	FY2021/22	Cost of Service Information
	103%	CPI Adjustment
		CITY OF TRACY OVERHEAD
\$	740,195	City Personnel, Contracted Service, Commodities & ISC Charges
\$	-	(Including New Programs)
\$	648,624	Tracy Disposal General Admin
\$		Tracy Disposal Depreciation
\$	(206,204)	Non-Rate Revenue
\$	(688,187)	Operating Reserve
_		
\$	729,720	Franchise Fee
\$	1,858,682	Tracy Disposal Direct Costs
		Equipment Replacement
\$	3,450,328	MSW Transport/Processing/Disposal Costs
\$	1,209	Wood Transport/Processing/Disposal Costs
\$	-	REC Transport/Processing/Disposal Costs
\$	1,088	YW Transport/Processing/Disposal Costs
\$	263,081	C&D Transport/Processing/Disposal Costs
\$	7,143,008	Total All Costs
\$	838,899	Fixed Cost
\$	132.35	MSW Per Ton Disposal Cost
\$	-	REC Per Ton Disposal Cost
\$	103.08	DIRT Per Ton Disposal Cost
\$	134.64	C&D Per Ton Disposal Cost
Ś	83.71	

				Box F	Rates by	Cost of Service					
		Total	MSW	REC		C&D	Wood	YW - Loose	MSW - Comp	Rec - Comp	YW Comp
Setouts/Max Load		1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Total Containers		8,368	4,794	-		630	24	10	2,910	-	-
"FTE Route Factor"		1.00	1.00	1.00		1.00	1.00	1.00	1.25	1.25	1.25
Disposal Factor			4.00								
Routes if All Subs		9,095.50	4,794.00	-		630.00	24.00	10.00	3,637.50	-	-
Cost per Route		\$								853.61	
Cost all Routes	\$	853.61	\$ 853.61	853.61	Ś	853.61 \$	853.61	\$ 853.61	\$ 1,067.01		\$ 1,067.01
Minimum	·	\$,		,	, , , , , ,	853.61	, ,,,,
Equivalent Cart Factor		1.00	1.00	1.00		1.00	1.00	1.00	1.25	1.25	1.25
Accounts by Size		8,368	4,794	-		630	24	10	2,910		-
Equivalent Cart Units (ECU)		9,096	4,794	-		630	24	10	3,638	-	-
Annual Variable Route Costs	\$	2,588,403									
ECUs		9,096									
Annual Variable/ECU	\$	284.58									
Variable/ECU	\$	284.58									
Equivalent Cart Factor		1.00	1.00	1.00		1.00	1.00	1.00	1.25	1.25	1.25
Variable Route Costs/Pull	\$	284.58				284.58 \$	284.58				
Fixed Costs/Container/Pull	\$	100.25	\$ 100.25	100.25	\$	100.25 \$	100.25	\$ 100.25	\$ 100.25	\$ 100.25	\$ 100.25
MSW Txfr & Disp Cost/Pull											
REC Collection Cost/Pull											
OCC Txfr & Proc Cost/Pull											
YW/CD Txfr & Proc Cost/Pull TOTAL RATE PER PULL BEFORE DISP/PR		384.83	384.83	384.83	_	384.83 \$	384.83	\$ 384.83	\$ 455.98	\$ 455.98	\$ 455.98

	Roll off Tons Disp	osal Costs	Per	Ton	
MSW	26,070 \$	3,450,328	\$	132.35	
YW	13 \$	1,088	\$	83.71	
C&D	1,954 \$	263,081	\$	134.6	
Wood	16 \$	1,209	\$	75.6	
	28,053 \$	3,715,706	\$	106.57	Average Cost/ton

Convert To	ns to Yards									
	Tons	Total Yards	Ra	tio of Compac	ted t	to Non				
MSW	26,070	215,115		38%						
1	lon-compac	ted Yardage		Disposal						
		114,110	\$	3,450,328						
	Compac	ted Yardage	\$	2,506,446	Dis	posal Cost	for	Compact	ed	
This mean 3x as much 101,005 \$ 943,882 Disposal Cost for Non-Compacted										
Compa	actor = 3 - 1	303,015								
			\$	24.82	Per	Yard Cost	s C	ompacted		
			\$	8.27	Per	Yard Cost	s N	on-Compa	cted	
	# of Pulls	Total Yards		Total Cost						RATE
10	535	5,350	\$	44,254	\$	83	\$	384.83	\$	467.5
20	2735	54,700	\$	452,461	\$	165	\$	384.83	\$	550.2
30	690	20,700	\$	171,224	\$	248	\$	384.83	\$	632.9
40	834	33,360	\$	275,944	\$	331	\$	384.83	\$	715.7
10	0	-	\$	-	\$	248	\$	455.98	\$	704.1
20	66	1,320	\$	32,756	\$	496	\$	455.98	\$	952.2
25	321	8,025	\$	199,141	\$	620	\$	455.98	\$	1,076.3
30	911	27,330	\$	678,196	\$	744	\$	455.98	\$	1,200.4
35	30	1,050	\$	26,056	\$	869	\$	455.98	\$	1,324.5
40	1582	63,280	\$	1,570,297	\$	993	\$	455.98	\$	1,448.5
			\$	3,450,328					_	

	Conv	ert Tons t	o Yards						
		To	ns	Tot	al Yards	Cos	t per Yard		
	C&D		1,954		25,200	\$	10.44		RATE
	# of	Pulls Tot	al Yards	To	otal Cost				
Yards	8	0	0	\$	-	\$	384.83	\$ 83.52	\$ 468.35
Yards	10	0	0	\$	-	\$	384.83	\$ 104.40	\$ 489.23
Yards	20	0	0	\$	-	\$	384.83	\$ 208.79	\$ 593.63
Yards	30	0	0	\$	-	\$	384.83	\$ 313.19	\$ 698.02
Yards	40	630	25200	\$	263,081	\$	384.83	\$ 417.59	\$ 802.42
	Conv	ert Tons t	o Yards						
		To	ns	Tot	al Yards	Cos	t per Yard		
	YW		13		150	\$	7.25		RATE
	# of	Pulls Tot	al Yards	To	otal Cost				
Yards	8	0	0	\$	-	\$	384.83	\$ 58	\$ 442.87
Yards	10	5	50	\$	362.74	\$	384.83	\$ 73	\$ 457.38
Yards	20	5	100	\$	725.47	\$	384.83	\$ 145	\$ 529.93
Yards	30	0	0	\$	-	\$	384.83	\$ 218	\$ 602.47
Yards	40	0	0	\$	-	\$	384.83	\$ 290	\$ 675.02
COMPACT	10	0	0	\$	-	\$	455.98	\$ 218	\$ 673.62
COMPACT	20	0	0	\$	-	\$	455.98	\$ 435	\$ 891.26
COMPACT	25	0	0	\$	-	\$	455.98	\$ 544	\$ 1,000.08
COMPACT	30	0	0	\$	-	\$	455.98	\$ 653	\$ 1,108.90
COMPACT	35	0	0	\$	-	\$	455.98	\$ 762	\$ 1,217.72
COMPACT	40	0	0	\$	-	\$	455.98	\$ 871	\$ 1,326.54
	Conv	ert Tons t	o Yards						
		To	ns	Yaı			t per yard		
	Woo	d	16		189.35	\$	6.30		RATE
	# of	Pulls Tot	al Yards	To	otal Cost				
Yards	8	24	189	\$	1,209.43	\$	384.83	\$ 50	\$ 435.22

APPENDIX A-9: ROLL OFF PER PULL RATES – COST OF SERVICE – LOOSE MATERIAL

Roll Off Per Pull Rates - Cost of Service - Loose Material - FY 2019-2020 through FY 2025-2026

MSW Roll Off Rates - (19-20 Approved)	MSW Roll Off Rates - 2021-2022 Full COS	MSW Roll Off Rates - 2022-2023 Full COS					
Per Pull 8 10 20 30 40 1 N/A \$ 276.90 \$ 395.95 \$ 518.05 \$ 637.10	Per Pull 8 10 20 30 40 1 N/A \$ 467.55 \$ 550.27 \$ 632.98 \$ 715.70	Per Pulls 8 10 20 30 40 1 N/A \$ 497.69 \$ 582.89 \$ 668.09 \$ 753.28					
Recycling Roll Off Rates - (19-20 Approved)	Recycling Roll Off Rates - 2021-2022 Full COS	Recycling Roll Off Rates - 2022-2023 Full COS					
Per Pull 8 10 20 30 40 1 N/A N/A N/A N/A N/A	Per Pull 8 10 20 30 40 1 \$ 384.83 \$ 384.83 \$ 384.83 \$ 384.83 \$ 384.83 \$ 384.83 \$ 384.83	Per Pulls 8 10 20 30 40 1 \$ 412.49 \$ 412.49 \$ 412.49 \$ 412.49 \$ 412.49 \$ 412.49					
Yard Waste Roll Off Rates - (19-20 Approved)	Yard Waste Roll Off Rates - 2021-2022 Full COS	Yard Waste Roll Off Rates - 2022-2023 Full COS					
Per Pull 8 10 20 30 40 1 N/A \$ 276.90 \$ 395.95 \$ 518.05 \$ 637.10	Per Pull 8 10 20 30 40 1 \$ 442.87 \$ 457.38 \$ 529.93 \$ 602.47 \$ 675.02	Per Pulls 8 10 20 30 40 1 \$ 472.27 \$ 487.21 \$ 561.94 \$ 636.66 \$ 711.38					
C&D Roll Off Rates - (19-20 Approved)	C&D Roll Off Rates - 2021-2022 Full COS	C&D Roll Off Rates - 2022-2023 Full COS					
Per Pull 8 10 20 30 40 1 N/A \$ 276.90 \$ 395.95 \$ 518.05 \$ 637.10	Per Pull 8 10 20 30 40 1 \$ 468.35 \$ 489.23 \$ 593.63 \$ 698.02 \$ 802.42 Wood Box - 8 yd. \$ 435.22 \$ 435.22 \$ 435.22 \$ 435.22	Per Pulls 8 10 20 30 40 1 \$ 498.51 \$ 520.02 \$ 627.55 \$ 735.08 \$ 842.61 Wood Box - 8 yd \$ 464.39 \$ 464.39 \$ 464.39 \$ 464.39					
MSW Roll Off Rates - 2023-2024 Full COS	MSW Roll Off Rates - 2024-2025 Full COS	MSW Roll Off Rates - 2025-2026 Full COS					
MSW Roll Off Rates - 2023-2024 Full COS Per Pulls 8 10 20 30 40 1 N/A \$ 612.46 \$ 700.21 \$ 787.97 \$ 875.72	MSW Roll Off Rates - 2024-2025 Full COS Per Pulls 8 10 20 30 40 1 N/A \$ 659.58 \$ 749.97 \$ 840.36 \$ 930.75	MSW Roll Off Rates - 2025-2026 Full COS Per Pulls 8 10 20 30 40 1 N/A \$ 708.12 \$ 801.22 \$ 894.32 \$ 987.42					
Per Pulls 8 10 20 30 40	Per Pulls 8 10 20 30 40	Per Pulls 8 10 20 30 40					
Per Pulls 8 10 20 30 40 1 N/A \$ 612.46 \$ 700.21 \$ 787.97 \$ 875.72	Per Pulls 8 10 20 30 40 1 N/A \$ 659.58 \$ 749.97 \$ 840.36 \$ 930.75	Per Pulls 8 10 20 30 40 1 N/A \$ 708.12 \$ 801.22 \$ 894.32 \$ 987.42					
Per Pulls 8 10 20 30 40 1 N/A \$ 612.46 \$ 700.21 \$ 787.97 \$ 875.72 Recycling Roll Off Rates - 2023-2024 Full COS Per Pulls 8 10 20 30 40	Per Pulls 8 10 20 30 40 1 N/A \$ 659.58 \$ 749.97 \$ 840.36 \$ 930.75 Recycling Roll Off Rates - 2024-2025 Full COS Per Pulls 8 10 20 30 40	Per Pulls 8 10 20 30 40 1 N/A \$ 708.12 \$ 801.22 \$ 894.32 \$ 987.42 Recycling Roll Off Rates - 2025-2026 Full COS Per Pulls 8 10 20 30 40					
Per Pulls 8 10 20 30 40 1 N/A \$ 612.46 \$ 700.21 \$ 787.97 \$ 875.72 Recycling Roll Off Rates - 2023-2024 Full COS Per Pulls 8 10 20 30 40 1 \$ 524.71 \$ 524.71 \$ 524.71 \$ 524.71 \$ 524.71 \$ 524.71	Per Pulls 8 10 20 30 40 1 N/A \$ 659.58 \$ 749.97 \$ 840.36 \$ 930.75 Recycling Roll Off Rates - 2024-2025 Full COS Per Pulls 8 10 20 30 40 1 \$ 569.20 \$ 569.20 \$ 569.20 \$ 569.20 \$ 569.20 \$ 569.20	Per Pulls 8 10 20 30 40 1 N/A \$ 708.12 \$ 801.22 \$ 894.32 \$ 987.42 Recycling Roll Off Rates - 2025-2026 Full COS Per Pulls 8 10 20 30 40 1 \$ 615.03 \$ 615.03 \$ 615.03 \$ 615.03 \$ 615.03					
Per Pulls 8 10 20 30 40 1	Per Pulls 8 10 20 30 40 1	Per Pulls 8 10 20 30 40 1 N/A \$ 708.12 \$ 801.22 \$ 894.32 \$ 987.42 Recycling Roll Off Rates - 2025-2026 Full COS Per Pulls 8 10 20 30 40 1 \$ 615.03 \$ 615.03 \$ 615.03 \$ 615.03 \$ 615.03 \$ 615.03 Yard Waste Cart Rates - 2025-2026 Full COS Per Pulls 8 10 20 30 40					
Per Pulls 8 10 20 30 40 1 N/A \$ 612.46 \$ 700.21 \$ 787.97 \$ 875.72 Recycling Roll Off Rates - 2023-2024 Full COS Per Pulls 8 10 20 30 40 1 \$ 524.71 \$ 524.71 \$ 524.71 \$ 524.71 \$ 524.71 Yard Waste Roll Off Rates - 2023-2024 Full COS Per Pulls 8 10 20 30 40 1 \$ 586.28 \$ 601.67 \$ 678.64 \$ 755.60 \$ 832.57	Per Pulls 8 10 20 30 40 1 N/A \$ 659.58 \$ 749.97 \$ 840.36 \$ 930.75 Recycling Roll Off Rates - 2024-2025 Full COS Per Pulls 8 10 20 30 40 1 \$ 569.20 \$ 569.20 \$ 569.20 \$ 569.20 \$ 569.20 Yard Waste Cart Rates - 2024-2025 Full COS Per Pulls 8 10 20 30 40 1 \$ 632.62 \$ 648.47 \$ 727.75 \$ 807.02 \$ 886.29	Per Pulls 8 10 20 30 40					

APPENDIX A-10: ROLL OFF PER PULL RATES - COST OF SERVICE - COMPACTED MATERIAL

Roll Off Per Pull Rates – Cost of Service – Compact Material - FY 2019-2020 through FY 2025-2026

MS	MSW Compacted Roll Off Rates - (19-20 Approved)												
Per Pulls	Per Pulls 10 20 25 30 35 40												
1	\$	320.35	\$	481.10	\$	561.55	\$	641.90	\$	722.30	\$	802.65	

REC Compacted Roll Off Rates - (19-20 Approved)											
Per Pulls	10	20	25	30	35	40					
1	\$ 284.05	\$ 412.20	\$ 476.50	\$ 540.65	\$ 604.70	\$ 668.85					

M	MSW Compacted Roll Off Rates - 2021-2022 Full COS												
Per Pulls		10		20	25	30		35	40				
1	\$	704.13	\$	952.28	\$1,076.35	\$1,200.43	\$	1,324.50	\$ 1,448.58				
	Þ	104.13	Þ	502.20	φ1,0/0.33	φ1,∠00.43	ψ	1,324.50	φ 1,440.50				

REC Compacted Roll Off Rates - 2021-2022 Full COS												
Per Pulls		10		20		25		30		35		40
1	\$	455.98	\$	455.98	\$	455.98	\$	455.98	\$	455.98	\$	455.98

	Yard Waste Cart Rates - 2021-2022 Full COS												
Per Pulls		10		20	25	30		35		40			
1	\$	673.62	\$	891.26	\$1,000.08	\$1,108.90	\$	1,217.72	\$	1,326.54			

REC Compacted Roll Off Rates - 2024-2025 Full COS

\$ 661.64 \$ 661.64 \$ 661.64 \$ 661.64 \$ 661.64

MSV	MSW Compacted Roll Off Rates - 2022-2023 Full COS												
Per Pulls		10	20	25	30	35	40						
1	\$	744.78	\$1,000.37	\$1,128.17	\$1,255.97	\$1,383.76	\$1,511.56						

REC Compacted Roll Off Rates - 2022-2023 Full COS												
Per Pulls		10		20		25		30		35		40
1	\$	489.18	\$	489.18	\$	489.18	\$	489.18	\$	489.18	\$	489.18

	Yard Wa	ste Cart F	Rates - 20	22-2023	Full COS	
Per Pulls	10	20	25	30	35	40
1	\$ 713.35	\$ 937.52	\$1,049.61	\$1,161.69	\$1,273.78	\$1,385.86

MSW Compacted Roll Off Rates - 2023-2024 Full COS												
Per Pulls		10	20	25	30	35	40					
1	\$	870.74	\$1,134.01	\$1,265.64	\$1,397.27	\$1,528.90	\$1,660.53					

RE	REC Compacted Roll Off Rates - 2023-2024 Full COS											
Per Pulls	10	20	25	30	35	40						
1	\$ 607.48	\$ 607.48	\$ 607.48	\$ 607.48	\$ 607.48	\$ 607.48						

	Yard Waste Cart Rates - 2023-2024 Full COS								Yard Wa	ste Cart	Rates - 20	024-2025	Full COS	
							ı							
Per Pulls	10	20	25	30	35	40		Per Pulls	10	20	25	30	35	40
1	\$ 838.38	\$1,069.27	\$1,184.72	\$1,300.17	\$1,415.61	\$1,531.06	- [1	\$ 899.47	\$1,137.29	\$1,256.20	\$1,375.11	\$1,494.02	\$1,612.93

Per Pulls

MS\	N	Compa	cted Roll	Off Rate	es - 2024-	-2025 Ful	I COS	M	ISW	/ Comp	acted Rol	Off Rate	es - 2025-2	2026 Full	cos
r Pulls		10	20	25	30	35	40	Per Pulls		10	20	25	30	35	40
1	\$	932.80	\$1,203.97	\$1,339.55	\$1,475.13	\$1,610.71	\$1,746.29	1	\$	996.73	\$ 1,276.02	\$ 1,415.67	\$ 1,555.32	\$ 1,694.97	\$ 1,834.62

F	REC Compacted Roll Off Rates - 2025-2026 Full COS											
Per Pulls		10		20		25		30		35		40
1	\$	717.43	\$	717.43	\$	717.43	\$	717.43	\$	717.43	\$	717.43

Yard Waste Cart Rates - 2025-2026 Full COS												
Per Pulls	10	20	25	30	35	40						
1	\$ 962.39	\$ 1,207.35	\$ 1,329.83	\$ 1,452.30	\$ 1,574.78	\$ 1,697.26						

APPENDIX A-11: CURRENT RATE SCHEDULE

RESIDENTIAL REFUS	E, REC	YCLING, AND	YAF	RD WASTE	RAT	ES
Subscription Levels	Curre	ent Monthly Rate		Extra ecycling	Extra Yard Waste	
60 Gallon Refuse						
96 Gallon Recycling	\$	36.50	\$	-	\$	8.70
96 Gallon Yard Waste						
60 Gallon Refuse - LIRA						
96 Gallon Recycling	\$	31.50	\$	-	\$	8.70
96 Gallon Yard Waste						
90 Gallon Refuse						
96 Gallon Recycling	\$	43.20	\$	-	\$	8.70
96 Gallon Yard Waste						

COMMERCIAL REFUSE, RECYCLING, AND YARD WASTE RATES									
Subscription Levels		Current nthly Rate	Combo Recycling & Yard Waste			Extra cycling	Extra Yard Waste		
60 Gallon Refuse	\$	39.70	\$	43.60	\$	-	\$	8.70	
90 Gallon Refuse	\$	51.58	\$	43.60	\$	-	\$	8.70	

REFUSE AND RECYCLING BIN RATES									
Subscription Levels		Current nthly Rate	Pe	r Dump Rate					
REFUSE									
1.5 Yards	\$	148.20	\$	40.65					
2 Yards	\$	191.58	\$	55.10					
3 Yards	\$	257.55	\$	77.70					
4 Yards	\$	322.65	\$	99.80					
6 Yards	\$	440.55	\$	140.05					
RECYCLING									
1.5 Yards	\$	130.90	\$	35.55					
2 Yards	\$	169.70	\$	48.50					
3 Yards	\$	226.00	\$	68.70					
4 Yards	\$	280.40	\$	88.45					
6 Yards	\$	377.15	\$	124.55					

APPENDIX A-11: CURRENT RATE SCHEDULE

ROLL-OFF RATES*									
Subscription Levels	Current Monthly Rate	Per	Dump Rate						
10 Yards	N/A	\$	276.90						
20 Yards	N/A	\$	395.95						
30 Yards	N/A	\$	518.05						
40 Yards	N/A	\$	637.10						

^{*} Additional fees based on weight may apply

COMPACTOR REFUSE RATES*									
Subscription Levels	Per	Dump Rate -	Per Dump Rate -						
Subscription Levels	Self	f Contained	Stationary						
2 Yards	\$	222.45		N/A					
3 Yards	\$	236.10		N/A					
4 Yards	\$	249.75		N/A					
6 Yards	\$	284.50		N/A					
8 Yards	\$	311.80		N/A					
10 Yards	\$	338.95	\$	320.35					
20 Yards	\$	499.70	\$	481.10					
25 Yards	\$	580.15	\$	561.55					
30 Yards	\$	660.50	\$	641.90					
35 Yards	\$	740.90	\$	722.30					
40 Yards	\$	821.25	\$	802.65					

^{*} Additional fees based on weight may apply

COMPACTOR RECYCLING RATES*								
Subscription Levels	Per	Dump Rate -	Per Dump Rate -					
Subscription Levels	Self	f Contained	Stationary					
2 Yards	\$	210.75		N/A				
3 Yards	\$	221.50		N/A				
4 Yards	\$	232.25		N/A				
6 Yards	\$	259.55		N/A				
10 Yards	\$	302.85	\$	284.05				
20 Yards	\$	430.60	\$	412.20				
25 Yards	\$	494.85	\$	476.50				
30 Yards	\$	558.90	\$	540.65				
35 Yards	\$	623.40	\$	604.70				
40 Yards	\$	687.60	\$	668.85				

^{*} Additional fees based on weight may apply

ATTACHMENT 'B'



SOLID WASTE RATE STUDY

COLLABORATORS

• HF&H Consultants, LLC

Marva Sheehan

Scott Holt

Tracy Disposal/MRF
 Mike Repetto
 Scott Stortroen
 Anna Lovecchio



SERVICES PROVIDED

City

- Oversees Agreements
- Coordinates Recycling and Other Events
- Provides Various Services
 - > Billing
 - Compliance

Tracy Disposal

- Collection
- Transportation
- Disposal of Solid Waste Materials

Tracy MRF

- Material Acceptance
- Processing and Disposition of Recycled Materials and Organics
- Transfer Services



BASIS FOR RATE INCREASE

- State Mandates
- Rates Last Adjusted in 2012
- Increased Service Area
- Cost Increases
- Drop in Recycling Market



State Mandates

Assembly Bill 341

- Approved May 2012
- Mandatory Commercial Recycling

Assembly Bill 1826

- Signed by Governor October 2014
- Mandatory Commercial Organics Recycling

Senate Bill 1383

- Approved November 2020
- California's Short-Lived Climate Pollutant Reduction Strategy

Cal Cities Waste Rate Survey

- Conducted December 2020
- Statewide Rate Increases in Next Three Years
- 194 Participating Cities
- 92% Anticipating Rate Increase



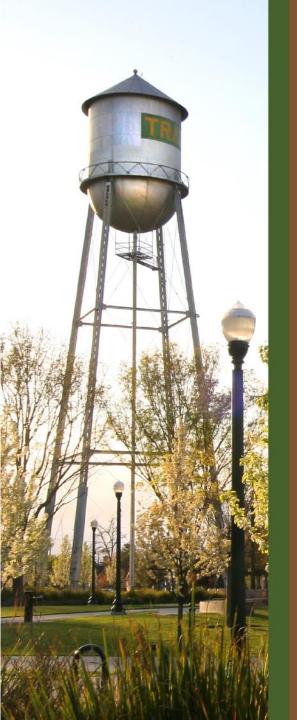
Rates Last Adjusted in 2012

- Adjustment for Consumer Price Index (CPI)
 Not Included
- No Change to Rates

Increased Service Area

- Ellis
- Tracy Hills
- Industrial Area





Increase in Costs

- Personnel
 - Workers' Comp
 - Cost of Living
 - > Insurance
- Maintenance
 - > Parts
 - Shipping
- Operations
 - Fuel Costs
 - > Mandate to Reduce Emissions

Drop in Recycling Market

- National Sword Policy
 - Material No Longer Sent Oversees
 - > Limited Facilities Available
- Contamination
 - Improper Sorting by Generator



STUDY METHODOLOGY

- Each Container Reserves "Space" in the Truck
- All 3 Material Types
- New Metrics
 - >Full Time Equivalent Route Factors
 - > Equivalent Container Factor
 - > Equivalent Container Units





STUDY METHODOLOGY

• The Mechanics...

TRUCK CAPACITY SUPPORT

0.60 MSW Pounds per Gallon

36.10 60-Gal MSW Pounds per Setout

54.15 90-Gal MSW Pounds per Setout

201.00 MSW Gal per Yard

29 Collection Body MSW Yards

8.00 Collection Body MSW Tons

From financial/ subscription data

ASSUMPTIONS

23,222 Residential Customers 204 Commercial Cart Customers Disposal trip time - 0.5 hours Approx 8 hour day

CALCULATION OF NUMBER OF OPTIMUM CONTAINERS PER LOAD

16,000 pounds (8 X 2,000)

443 number of 60 gallon containers per load

295 number of 90 gallon containers per load



443



295



STUDY METHODOLOGY

• The Results...

Capacity-based Methodology

RESIDENTIAL SOLID WASTE PORTION	Container Size				
OF RATES	60	Gallon	90	Gallon	
Refuse Collection - 1st Container					
Variable	\$	4.02	\$	6.43	
Fixed	\$	7.48	\$	7.48	
Transfer/Disposal/Processing	\$	11.54	\$	17.31	
Other	\$	3.21	\$	3.21	
	\$	26.26	\$	34.44	

\$5.77

Traditional Thinking Methodology

RESIDENTIAL SOLID WASTE PORTION	Container Size					
OF RATES	60 Gallon 90 Gallo					
Refuse Collection - 1st Container						
Variable	\$	4.81	\$	4.81		
Fixed	\$	7.48	\$	7.48		
Transfer/Disposal/Processing	\$	11.54	\$	17.31		
Other	\$	3.21	\$	3.21		
	\$	27.04	\$	32.81		
	Ş	27.04	Ş	52.61		



\$8.18

KEY RESIDENTIAL RATE CHANGES

Projected Cost of Service and Monthly Rate Increase											
Solid Waste, Recycling, and Organics (Residential)	Current Rates	FY 21/22	\$ Change	FY 22/23	\$ Change	FY 23/24	\$ Change	FY 24/25	\$ Change	FY 25/26	\$ Change
60-Gallon Container*	\$36.50	\$44.38	+ \$7.88	\$52.35	+ \$7.96	\$61.18	+ \$8.83	\$65.75	+ \$4.56	\$70.40	+ \$4.66
90-Gallon Container*	\$43.20	\$52.57	+ \$9.37	\$60.87	+ \$8.30	\$70.21	+ \$9.35	\$75.50	+ \$5.29	\$80.89	+ \$5.39
*Only applicable for Res	sidential Cu	ustomers. In	cludes a 90	Gallon Recy	cling and a 9	0 Gallon Or	ganics conta	iner.			

Rates for Additional Carts											
Residential Increase Current Rate FY 21/22 FY 22/23 FY 23/24 FY 24/25 FY 25/2											
Recycle Container*		\$4.27	\$5.64	\$6.05	\$6.66	\$7.29					
Organics Container*	\$8.70	\$7.77	\$9.94	\$10.54	\$11.35	\$12.18					
*The same rate applies to both 60-gallon and 90-gallon customers.											



KEY CHANGES TO RESIDENTIAL SERVICES

- Container Changes
- All Three Containers Collected Weekly
- Bulky Pick-Up Increased From One to Two Annually
- Continuation and Expansion of Recycling Events
 - > Compost Pick-Up
 - Battery Recycling
 - Citywide Garage Sales
 - Document Shredding



CONTAINER CONTENTS

Gray

Garbage

- Pet Waste
- Food Soiled Wrappers
- Diapers
- Kitchen Plates and Cups
- Plastic Bags and Wrap
- Used Clothing That is Unable to be Donated



Recyclable Material

- Junk Mail
- Newspapers
- Non-Food Soiled Wrappers
- Cardboard/Paper
- Styrofoam (Excluding Packing 'Peanuts')
- Glass Bottles and Jars
- Aluminum Cans
- Plastic Bottles and Tubs



Organics

- Yard Trimmings:
 - > Grass Clippings, Weeds, Leaves, Flowers
- Food Scraps:
 - > Dairy, Fruit, Veggies, Egg Shells, Bread, Meat, Bones









OTHER BENEFITS AND OUTCOMES

- Complying with State Mandates
- Increase Bulky Pickups Annually
- Expand Current Recycling Events
- Increase of Approximately \$2M for Roadway Improvements and Maintenance
- Improve City's Diversion Rate Resulting in Positive Environmental Impacts





Questions?

