



City of
PATTERSON
California

Solid Waste Rate Study

August 23, 2024



BARTLE WELLS ASSOCIATES
INDEPENDENT PUBLIC FINANCE ADVISORS



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August 23, 2024

Mike Willet, Director of Public Works
City of Patterson | Public Works Department
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Re: Solid Waste Rate Study

Bartle Wells Associates is pleased to submit to the City of Patterson the attached draft Solid Waste Rate Study. The study presents BWA's analysis of the operating and non-operating expenses of solid waste services and provides a five-year cash flow projection.

BWA finds that the rates and charges proposed in our report to be based on the cost of service, follow generally accepted rate design criteria, and adhere to the substantive requirements of Proposition 218. BWA believes that the proposed rates are fair and reasonable to the City's customers.

We enjoyed working with you on the rate study and appreciate the assistance of City staff throughout the project. Please contact us if you ever have any future questions about this study and the rate recommendations.

Yours truly,

Erik Helgeson, MBA
Vice President

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1 INTRODUCTION

1.1 Background

The City of Patterson (the City) is a general law City located in western Stanislaus County with a population of approximately 23,800. The solid waste service is a self-supporting enterprise fund; revenues are derived primarily from utility service charges and must be adequate to fund operating and capital needs.

The City retained Bartle Wells Associates to develop a long-term financial plan and 5-year rate recommendations for the solid waste enterprise (Enterprise). The most recent rate study was completed in 2019 and the City last increased the solid waste rates on July 1, 2023. The major objectives of this study include:

- Ensuring the continued financial health and stability of the City’s Enterprise;
- Developing a projection of revenue requirements for the Enterprise;
- Recommending rates which meet these revenue requirements;
- Have gradual, predictable rate increases to the extent possible, to minimize the annual impact on ratepayers.
- Maintaining equity among all users of the system and ensure compliance with legal requirements such as Proposition 218.

1.2 Solid Waste Customers

The City operates and maintains a solid waste enterprise that serves over 7,100 permanent and part-time customers, 94.3% of which are residential. Residential customers receive bulky item pick up twice per year for no additional charge. In addition to residential curbside services, the City offers commercial can and dumpster services.

1.3 Solid Waste System

The City contracts with Bertolotti Disposal to collect and dispose of its customers’ solid waste, green waste, and recyclables. The City has a contract with Stanislaus County Landfill and Waste Energy Facility to use its solid waste disposal sites, incurring a fee for either tipping fees to waste-to-energy (WTE) or landfill with recyclables going to a transfer station for sorting.

Regulation compliance is the primary driver for the City’s increasing costs of service. The City, as well as its contractors, must abide by all state laws and mandates for the collection, disposal, and recycling of solid waste, green waste, and recyclables. Most notably, California Senate Bill 1383 requires cities to implement new organics diversion programs to reduce greenhouse gas emissions from landfills¹. Final regulations for SB 1383 were adopted in 2020 with statewide mandated compliance beginning January 1, 2022.

¹ <https://calrecycle.ca.gov/organics/slcp/>

2 METHODOLOGY

2.1 Use of Generally Accepted Rate-Making Principles

The rates developed in this study use a straightforward methodology to establish an equitable system of fixed and variable charges that recover the cost of providing service and fairly apportion costs to each rate component. The rates were developed using generally accepted cost-based principles and methodologies.

In reviewing the City's rates and finances, BWA used the following criteria in developing our recommendations:

- 1) *Revenue Sufficiency*: Rates should recover the annual cost of service and provide revenue stability.
- 2) *Rate Impact*: While rates are calculated to generate sufficient revenue to cover operating and capital costs, they should be designed to minimize, as much as possible, the impact on ratepayers.
- 3) *Equitable*: Rates should be fairly allocated among all customer classes based on their estimated demand characteristics. Each user class only pays its proportionate share.
- 4) *Practical*: Rates should be simple in form and, therefore, adaptable to changing conditions, easy to administer and easy to understand.

2.2 Proposition 218

Utility rates are subject to the procedural and substantive requirements as set forth in Proposition 218. Proposition 218 was adopted by California voters in 1996 and added Articles 13C and 13D to the California Constitution. Article 13D, Section 6 governs property-related charges, which the California Supreme Court subsequently ruled includes ongoing utility service charges such as water, sewer, and garbage rates. Article 13D, Section 6 establishes a) procedural requirements for imposing or increasing property-related charges, and b) substantive requirements for those charges. Article 13D also requires voter approval for new or increased property-related charges but exempts from this voting requirement rates for water, sewer, and garbage service. The substantive requirements of Article 13D, Section 6 require the City's utility rates to meet the following conditions:

- Revenues derived from the fee or charge shall not exceed the funds required to provide the property related service.
- Revenues derived from the fee or charge shall not be used for any purpose other than that for which the fee or charge was imposed.
- The amount of a fee or charge imposed upon any parcel or person as an incident of property ownership shall not exceed the proportional cost of the service attributable to the parcel.

- 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 in question.
- No fee or charge may be imposed for general governmental services, such as police or fire services, where the service is available to the public at large in substantially the same manner as it is to property owners.

The procedural requirements of Proposition 218 for all utility rate increases are as follows:

- **Noticing Requirement:** The City must mail a notice of proposed rate increases to all affected property owners. The notice must specify the basis of the fee, the reason for the fee, and the date/time/location of a public rate hearing at which the proposed rates will be considered/adopted.
- **Public Hearing:** The City must hold a public hearing prior to adopting the proposed rate increases. The public hearing must be held not less than 45 days after the required notices are mailed.
- **Rate Increases Subject to Majority Protest:** At the public hearing, the proposed rate increases are subject to majority protest. If more than 50% of affected property owners submit written protests against the proposed rate increases, the increases cannot be adopted.

3 SOLID WASTE FINANCES & RATES

3.1 Current Annual Solid Waste Rates

The following table shows the City’s current annual solid waste rates.

Table 1 - Current Rates

Description		Current Rates
Commercial Trash Service Monthly Rate (\$ per Service)		
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>
(1) 96 gal toter	1 X	\$41.87
(2) 96 gal toter	1 X	\$83.73
2 yd bin	1 X	\$145.46
2 yd bin	2 X	\$290.85
3 yd bin	1 X	\$218.18
3 yd bin	2 X	\$436.27
4 yd bin	1 X	\$290.85
4 yd bin	2 X	\$581.71
6 yd bin	1 X	\$436.27
6 yd bin	2 X	\$872.53
Commercial Recycling Service		
(1) 96 gal toter	1 X	\$20.95
(2) 96 gal toter	1 X	\$41.87
2 yd bin	1 X	\$72.74
2 yd bin	2 X	\$145.46
3 yd bin	1 X	\$109.10
3 yd bin	2 X	\$218.18
4 yd bin	1 X	\$145.46
4 yd bin	2 X	\$290.85
6 yd bin	1 X	\$218.18
6 yd bin	2 X	\$436.27
Commercial Organics Service		
(1) 96 gal toters	1X	\$13.94
6 yd bin	1X	\$436.27
Residential Three Toter Service		
Residential Customers	1 X	\$41.83
Low Income/Senior Customers	1 X	\$31.83
Residential Extra Service		
Extra trash toter	1 X	\$6.81
Extra recycle toter	1 X	\$6.81
Extra green waste toter	1 X	\$6.81

3.2 Current Solid Waste Accounts and Equivalent Service Units

The following table shows the current number of solid waste accounts and the number of equivalent service units (ESUs) for each container size, collection frequency and service type. The ESUs were based on the proportional cost of service compared to a one 96-gallon commercial toter that is picked up once a week. The fee charged by Bertolotti to the Enterprise at each service level represents the proportional cost of service. The ESU calculation is based on the revised fees requested by Bertolotti for the FY 2024/25 rate calculation. Bertolotti is requesting their contract be amended to reflect new fees that account for increased costs of recycling and the cost of compliance with SB 1383. BWA feels this is the most reasonable method for the City to determine the proportion of service because its costs are incurred to support the collection and disposal of waste, and the fees charged to the City by Bertolotti are the City’s cost of service for collection and disposal of waste.

Table 2 – Patterson Customers

Equivalent Service Units (ESUs)				
Commercial Trash Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs¹</i>	<i>Customers²</i>	<i>Total ESUs</i>
(1) 96 gal toter	1 X	1	112	112.00
(2) 96 gal toter	1 X	2	4	8.00
2 yd bin	1 X	2	48	96.00
2 yd bin	2 X	4	11	44.00
2 yd bin	3 X	6		
2 yd bin	4 X	8		
3 yd bin	1 X	3	18	54.00
3 yd bin	2 X	6	15	90.00
3 yd bin	3 X	9		
3 yd bin	4 X	12		
4 yd bin	1 X	4	32	128.00
4 yd bin	2 X	8	53	424.00
4 yd bin	3 X	12		
4 yd bin	4 X	16		
6 yd bin	1 X	6	6	36.00
6 yd bin	2 X	12	14	168.00
6 yd bin	3 X	18		
6 yd bin	4 X	24		
Total Commercial Trash Service			313	1,160.00

Table 2 – Continued

Equivalent Service Units (ESUs)

Commercial Recycling Service

<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
(1) 96 gal toter	1 X	1	6	6.00
(2) 96 gal toter	1 X	2	1	2.00
2 yd bin	1 X	2	16	32.00
2 yd bin	2 X	4	2	8.00
2 yd bin	3 X	6		
2 yd bin	4 X	8		
3 yd bin	1 X	3	4	12.00
3 yd bin	2 X	6	2	12.00
3 yd bin	3 X	9		
3 yd bin	4 X	12		
4 yd bin	1 X	4	14	56.00
4 yd bin	2 X	8	12	96.00
4 yd bin	3 X	12		
4 yd bin	4 X	16		
6 yd bin	1 X	6	2	12.00
6 yd bin	2 X	12	2	24.00
6 yd bin	3 X	18		
6 yd bin	4 X	24		
Total Commercial Recycling Service			61	260.00

Table 2 – Continued

Equivalent Service Units (ESUs)				
Commercial Organics Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
(1) 96 gal toter	1 X	1	30	30.00
(2) 96 gal toter	1 X	2		
2 yd bin	1 X	2		
2 yd bin	2 X	4		
2 yd bin	3 X	6		
2 yd bin	4 X	8		
3 yd bin	1 X	3		
3 yd bin	2 X	6		
3 yd bin	3 X	9		
3 yd bin	4 X	12		
4 yd bin	1 X	4		
4 yd bin	2 X	8		
4 yd bin	3 X	12		
4 yd bin	4 X	16		
6 yd bin	1 X	6	1	6.00
6 yd bin	2 X	12		
6 yd bin	3 X	18		
6 yd bin	4 X	24		
Total Commercial Organics Service			31	36.00
Total Commercial Equivalent Service Units			405	1,456.00

Table 2 – Continued

Equivalent Service Units (ESUs)				
Residential Three Toter Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
Residential Customers	1 X	0.60	6,635	3,989.46
Low Income/Senior Customers	1 X	0.60	56	33.67
Total Residential Three Toter Service			6,691	4,023.13
Residential Extra Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
Extra trash toter	1 X	0.27	0	0.00
Extra recycle toter	1 X	0.27	0	0.00
Extra green waste toter	1 X	0.27	20	5.31
Total Residential Extra Service			20	5.31
Total Residential Equivalent Service Units			6,711	4,028.45
Total			7,116	5,484.45

¹ Equivalent Service Units (ESUs) are based on the Bertolotti Charges relative to a single toter service once per week service.

² Customer count based on City billing data as of 8/5/2024.

3.3 Projected Growth

Using the calculated ESUs from Table 2, Table 3 calculates the projected growth in ESUs over the next five years. The projected residential growth is based on planned development that will increase the City’s residential customers by a set amount in FY 24/25 through FY 29/30. The residential ESUs in the following years are projected to increase by 1% annually. Commercial customers are projected to increase by 1% annually.

Table 3 – Projected Growth

Commercial Equivalent Service Units (ESUs)	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29-30
Projected Annual Growth Rate		0.5%	1.0%	1.0%	1.0%	1.0%	1.0%
Projected Commercial Growth							
Commercial Trash Service ESUs	1,160.00	1,165.80	1,177.46	1,189.23	1,201.12	1,213.14	1,225.27
Commercial Recycling Service ESUs	260.00	261.30	263.91	266.55	269.22	271.91	274.63
Commercial Organics Service ESUs	<u>36.00</u>	<u>36.18</u>	<u>36.54</u>	<u>36.91</u>	<u>37.28</u>	<u>37.65</u>	<u>38.03</u>
Total Projected Commercial ESUs	1,456.00	1,463.28	1,477.91	1,492.69	1,507.62	1,522.70	1,537.92
Projected Residential Growth							
Projected New Residential Customers (growth override)		105	210	210	210	210	210
Total Residential Three Toter Service Customer:	6,691	6,796	7,006	7,216	7,426	7,636	7,846
Residential Three Toter Service ESUs ¹	4,023.13	4,086.27	4,212.54	4,338.80	4,465.07	4,591.34	4,717.61
Residential Extra Service ESUs ¹	<u>5.31</u>	<u>5.34</u>	<u>5.39</u>	<u>5.45</u>	<u>5.50</u>	<u>5.56</u>	<u>5.61</u>
Total Projected Residential ESUs	4,028.45	4,091.61	4,217.93	4,344.25	4,470.57	4,596.90	4,723.22
Total Projected ESUs	5,484.45	5,554.89	5,695.84	5,836.94	5,978.19	6,119.59	6,261.14
Total Projected Growth		1.3%	2.5%	2.5%	2.4%	2.4%	2.3%

¹ Residential Three Toter Service customer is equivalent to 0.60 ESUs. Residential Extra Service customer is equivalent to 0.27 ESU

3.4 Solid Waste Financial Overview

Bartle Wells Associates conducted an independent evaluation of the City’s solid waste enterprise finances. Key observations include:

- Solid waste rates have continued to gradually increase since 2019 based on the previous rate study. This has helped the City maintain a strong financial position.
- Total solid waste reserves at the beginning of FY 2024/25 were \$1.58 million. However, the City will begin operating at a deficit without rate increases this year.

3.5 Financial Challenges / Key Drivers of Rate Increases

Going forward, the City’s solid waste enterprise is facing several financial challenges that will require the City to raise rates over the next five years. Key drivers of future solid waste rate increases are summarized below.

3.5.1 Waste Collection Contractor (Bertolotti) and Disposal Expense

The city pays Bertolotti to collect and dispose of solid waste based on a contract. The amount for each container size, collection frequency, and service type is agreed to in the contract and then escalates each year based on two components. The first component is the cost of solid waste disposal which is 20% of the overall increase. The City also has a memorandum of understanding (MOU) with Stanislaus County for disposal at two sites. Prices for disposal are established through FY 2024/25. In FY 2025/26, the disposal costs will increase significantly. The second component is Bertolotti’s cost of collection which consists of 80% of the overall increase.

This amount is based on the change in the Bay Area Consumer Price Index. The average increase of both components is calculated in Table 3 of Appendix A. The total amount paid to Bertolotti is calculated in Table 6 of Appendix A.

Bertolotti requested an amendment to their contract to revise its base fee at the end of FY 2023/24 primarily to address the increasing costs of disposing recyclables and the costs to comply with the new SB 1383 rules for organics disposal.

3.5.2 Additional Staff

The solid waste enterprise is projected to need added staff over the period of the next five years to comply with SB 1383 operating, reporting, and education requirements. The City provided the estimated costs for additional staff. BWA inflated the costs based on the projected hiring year. These additional expenses are reflected in Table 16 in the Appendix.

3.5.3 Additional Equipment

The solid waste enterprise is projected to need additional equipment to support operations and SB 1383 compliance. The City provided estimates of the cost and purchase timing of new equipment. These expenses are reflected in Table 16 in the Appendix.

3.5.4 Ongoing Operating Cost Inflation

The City faces ongoing operating cost inflation due to the annual cost increases for materials, equipment, salaries, benefits, etc. Cost inflation was estimated to range from 3 to 5% annually.

3.5.5 Solid Waste Reserve Funds

Maintaining a prudent minimal level of fund reserves provides a financial cushion for dealing with unanticipated expenses, revenue shortfalls, and non-catastrophic emergency capital repairs. The City's reserve target is for solid waste reserves to be able to cover at least three months of operating expenses. The fund reserve target escalates over time as the solid waste utility's revenues and expenses gradually increase in future years.

3.5.6 Solid Waste Expense Projections

Table 1 in Appendix A shows a 5-year breakdown of projected solid waste enterprise expenses. Compliance with recent state mandates is the key driver for the increasing cost of expenses. The expense projections support the need for annual rate adjustments to keep revenues in line with projected expenditures. Rate adjustments will support balanced budgets and maintaining prudent minimum levels of fund reserves.

3.6 Financial Plan Assumptions

The financial plan includes several reasonable and slightly conservative (revenues on low side, expenses on high side) assumptions. Key cash flow assumptions include:

- Revenue Assumptions
 - Revenues will increase with customer growth.
 - Non-rate revenue will remain at current levels.
 - Interest on reserves is projected to be 1.5% of beginning reserves.
- Expenses Assumptions
 - Bertolotti costs will increase based on amended rates.
 - General inflation will range from 3 to 5%.
 - Transfers consist of street repair costs of \$100,000 per year beginning in FY 2025/26 and a five-year debt repayment of \$100,000 per year beginning in FY 2026/27.
 - The low income/senior customer rate will remain at \$31.83 from FY 2024/25 to FY 2025/26 and then be increased by \$1.35 per year from FY 2026/27 to FY 2029/30.

3.7 Rate Scenarios

The requested new charges cause significant increases in some customer classes. In addition to calculating the new rates going into effect on January 1, 2025, a second scenario was developed to mitigate the impacts on the effected customer classes.

Scenario 1: No Phase-In

The rates in this scenario do not reflect a phase-in, but instead reflect an immediate switch to the proposed commercial rates. Full revenue recovery is met, and the reserve target is met in all years of the 5-year 218 period (FY 2024/25 through FY 2029/30).

Scenario 2: Phase-In

The commercial rates with large increases are phased-in evenly over the 5-year 218 period. This will result in the City collecting less than the projected revenue requirement in the first five years of the 218 notice period. This loss is shown in the Scenario 2 cash flow in Table 5.

3.8 Solid Waste Revenue Requirements: Cash Flow Projections

BWA developed long-term solid waste enterprise cash flow projections to evaluate financial alternatives and estimate future solid waste rate increases. The revenue increase recommendations were developed to meet projected expenses as well as maintain reserves and the long-term health of the solid waste utility. The solid waste cashflow is shown on the following table.

Table 4 – Scenario 1 Cash Flow

Cashflow	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30
Beginning Reserve Balance	\$2,022,601	\$1,584,836	\$1,619,455	\$1,790,091	\$1,692,880	\$1,720,542	\$1,764,041
Revenues							
Current Rate Revenue	\$4,443,525	\$4,500,597	\$4,999,202	\$5,507,274	\$6,063,587	\$6,672,531	\$7,338,886
<i>Revenue Increase %</i>		8.3%	7.5%	7.5%	7.5%	7.5%	6.0%
Rate Revenue from Increase		\$374,891	\$374,940	\$413,046	\$454,769	\$500,440	\$440,333
Timing Adjustment ¹		-\$187,446					
Other Revenue	\$36,377	\$168,850	\$176,030	\$176,030	\$176,030	\$176,030	\$176,030
Discount Program		-\$9,623	-\$12,607	-\$14,826	-\$17,375	-\$20,300	-\$22,831
Interest	<u>\$44,552</u>	<u>\$23,800</u>	<u>\$24,300</u>	<u>\$26,900</u>	<u>\$25,400</u>	<u>\$25,800</u>	<u>\$26,500</u>
Total Revenue	\$4,524,455	\$4,871,069	\$5,561,865	\$6,108,424	\$6,702,411	\$7,354,501	\$7,958,918
Expenses							
Bertolotti O&M Cost	\$2,045,913	\$2,167,538	\$2,462,478	\$2,631,011	\$2,809,428	\$2,998,265	\$3,198,087
All Other O&M	\$2,724,486	\$2,636,412	\$2,886,522	\$3,469,624	\$3,715,321	\$3,912,237	\$4,121,311
Equipment Purchase	<u>\$191,821</u>	<u>\$32,500</u>	<u>\$42,230</u>	<u>\$105,000</u>	<u>\$150,000</u>	<u>\$400,500</u>	<u>\$125,000</u>
Total Expenses	\$4,962,220	\$4,836,450	\$5,391,230	\$6,205,635	\$6,674,748	\$7,311,002	\$7,444,398
Net Revenues	-\$437,765	\$34,620	\$170,635	-\$97,211	\$27,662	\$43,499	\$514,520
Ending Reserve Balance	\$1,584,836	\$1,619,455	\$1,790,091	\$1,692,880	\$1,720,542	\$1,764,041	\$2,278,561
<i>Reserve Targets (3</i>							
<i>Months Operating Cost)</i>	<i>\$1,193,000</i>	<i>\$1,201,000</i>	<i>\$1,337,000</i>	<i>\$1,525,000</i>	<i>\$1,631,000</i>	<i>\$1,728,000</i>	<i>\$1,830,000</i>
<i>Target Met?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>

¹ Timing adjustment reflects a rate implementation on January 1, 2025.

The following figure displays the cash flow graphically.

Figure 1 – Scenario 1 Cash Flow

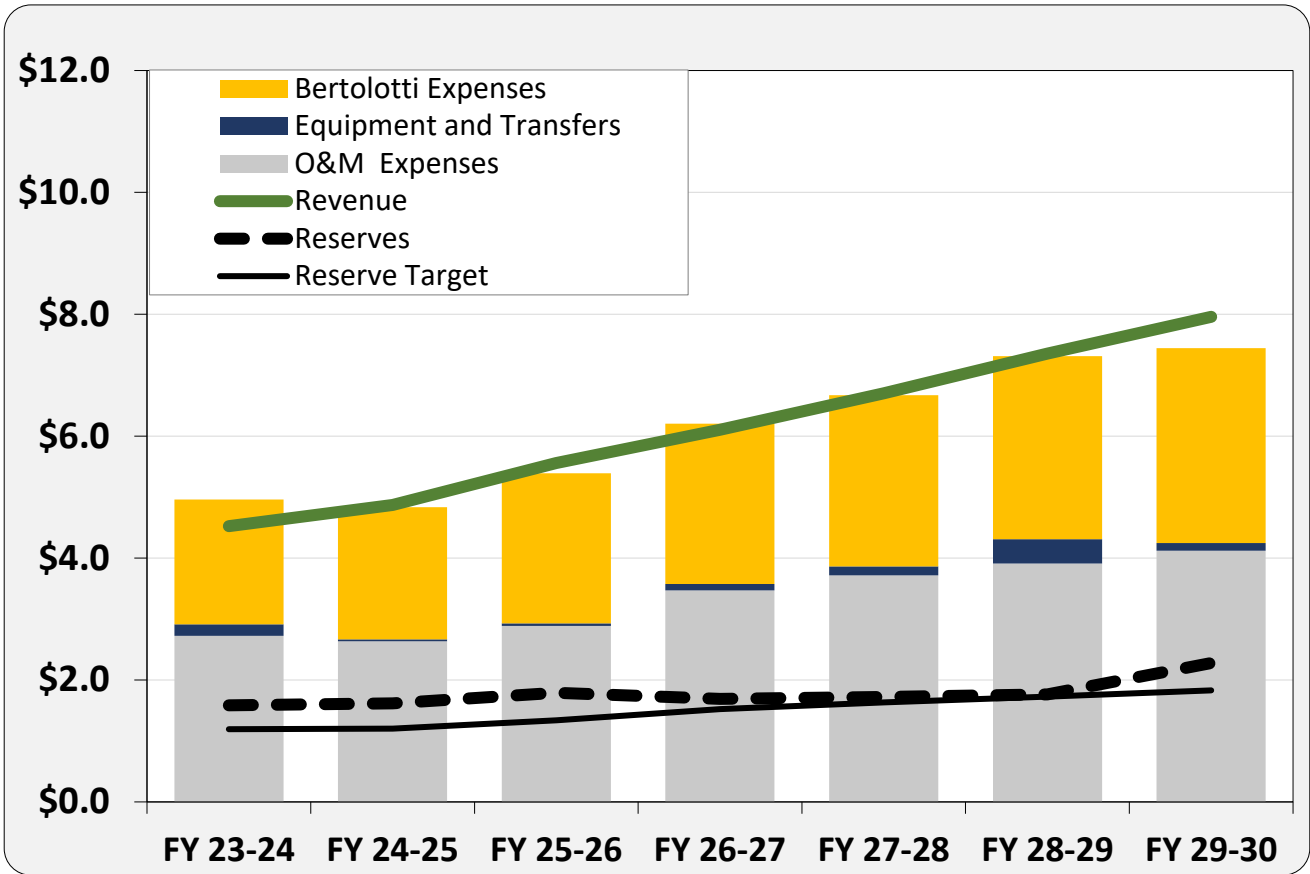


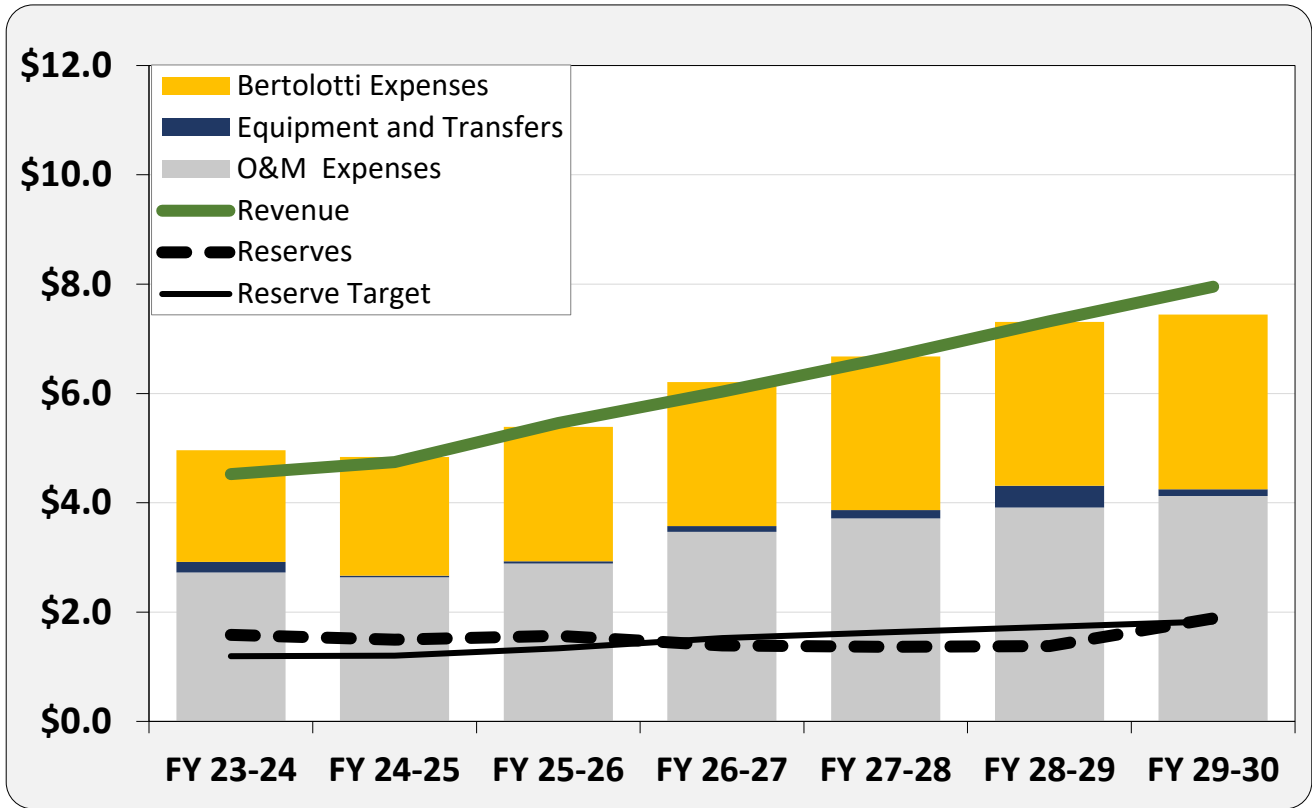
Table 5 – Scenario 2 Cash Flow

Cashflow	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30
Beginning Reserve Balance	\$2,022,601	\$1,584,836	\$1,492,726	\$1,562,777	\$1,389,526	\$1,364,132	\$1,375,701
Revenues							
Current Rate Revenue	\$4,443,525	\$4,500,597	\$4,999,203	\$5,507,274	\$6,063,587	\$6,672,531	\$7,338,887
Revenue Increase %		8.3%	7.5%	7.5%	7.5%	7.5%	6.0%
Rate Revenue from Increase		\$374,891	\$374,940	\$413,046	\$454,769	\$500,440	\$440,333
Timing Adjustment ¹		-\$187,446					
Phase-In Adjustment		-\$126,729	-\$98,685	-\$72,540	-\$48,457	-\$26,630	
Other Revenue	\$36,377	\$168,850	\$176,030	\$176,030	\$176,030	\$176,030	\$176,030
Discount Program		-\$9,623	-\$12,607	-\$14,826	-\$17,375	-\$20,300	-\$22,831
Interest	\$44,552	\$23,800	\$22,400	\$23,400	\$20,800	\$20,500	\$20,600
Total Revenue	\$4,524,455	\$4,744,340	\$5,461,281	\$6,032,384	\$6,649,354	\$7,322,571	\$7,953,019
Expenses							
Bertolotti O&M Cost	\$2,045,913	\$2,167,538	\$2,462,478	\$2,631,011	\$2,809,428	\$2,998,265	\$3,198,087
All Other O&M	\$2,724,486	\$2,636,412	\$2,886,522	\$3,469,624	\$3,715,321	\$3,912,237	\$4,121,311
Equipment Purchase	\$191,821	\$32,500	\$42,230	\$105,000	\$150,000	\$400,500	\$125,000
Total Expenses	\$4,962,220	\$4,836,450	\$5,391,230	\$6,205,635	\$6,674,748	\$7,311,002	\$7,444,398
Net Revenues	-\$437,765	-\$92,109	\$70,051	-\$173,251	-\$25,395	\$11,570	\$508,621
Ending Reserve Balance	\$1,584,836	\$1,492,726	\$1,562,777	\$1,389,526	\$1,364,132	\$1,375,701	\$1,884,322
<i>Reserve Targets (3 Months Operating Cost)</i>							
Reserve Targets (3 Months Operating Cost)	\$1,193,000	\$1,201,000	\$1,337,000	\$1,525,000	\$1,631,000	\$1,728,000	\$1,830,000
Target Met?	Yes	Yes	Yes	No	No	No	Yes

¹ Timing adjustment reflects a rate implementation on January 1, 2025.

The following figure displays the cashflow graphically.

Figure 2 – Scenario 2 Cash Flow



3.9 Solid Waste Rate Structure Recommendations

BWA conducted an independent analysis of the City’s current solid waste rate structure. Based on an evaluation of rate alternatives and input from City staff, BWA recommends adjusting the rates to be proportionate to the ESUs reflecting the requested Bertolotti fees. BWA feels this is the most reasonable method for the City to determine the proportion of service because its costs are incurred to support the collection and disposal of waste, and the fees charged to the City by Bertolotti are the City’s cost of service for collection and disposal of waste.

3.9.1 Unit Rate Calculation

The unit rate per ESU was calculated by dividing the FY 2024/25 rate revenue requirement by the total number of ESUs.

Table 6 – Unit Rate Derivation

Unit Rate Derivation	FY 24/25
Rate Revenue Requirement	\$4,875,488.01
FY 24/25 ESUs	5,554.89
Annual Rate per ESU	\$877.69
Monthly Rate Per ESU	\$73.14

3.9.2 Rate Derivation

For FY 2024/25 Rates were derived for each service by multiplying the unit rate by the number of ESUs each service was assigned. In the following years, the proposed rates were derived by being increased by the overall rate revenue increase. These calculations result in the rates for Scenario 1. To mitigate the impact to the 96-gallon commercial services, all commercial recycling services, and all residential extra toter services, Scenario 2 rates were developed. Scenario 2 rates are increased in even increments over the 218 period (FY 2024/25 through FY 2029/30) to eventually reach the same rates as Scenario 1 in FY 2029/30.

3.9.2.1 Low Income/ Senior Discount Rate

The low income/senior rate is currently discounted \$10.00 from the residential rate. In order to continue to provide meaningful relief to these customers, the City wants to increase the discount to \$25 by FY 2029/30. To reach this target BWA recommends having the rate remain at \$31.83 from FY 2024/25 to FY 2025/26 and then be increased by \$1.35 per year from FY 2026/27 to FY 2029/30. This will result in a discount of \$25.03 in FY 2029/30.

Table 7 – Rate Derivation

FY 2024/25 Rate Derivation			Total FY 24/25 Rate
Commercial Trash Service Monthly Rate			
Size	Weekly Frequency	ESUs	\$ per Month
(1) 96 gal toter	1 X	1	\$73.14
(2) 96 gal toter	1 X	2	\$146.28
2 yd bin	1 X	2	\$146.28
2 yd bin	2 X	4	\$292.56
2 yd bin	3 X	6	\$438.85
2 yd bin	4 X	8	\$585.13
3 yd bin	1 X	3	\$219.42
3 yd bin	2 X	6	\$438.85
3 yd bin	3 X	9	\$658.27
3 yd bin	4 X	12	\$877.69
4 yd bin	1 X	4	\$292.56
4 yd bin	2 X	8	\$585.13
4 yd bin	3 X	12	\$877.69
4 yd bin	4 X	16	\$1,170.26
6 yd bin	1 X	6	\$438.85
6 yd bin	2 X	12	\$877.69
6 yd bin	3 X	18	\$1,316.54
6 yd bin	4 X	24	\$1,755.39

Table 7 – Continued

FY 2024/25 Rate Derivation	Total FY 24/25 Rate		
Commercial Recycling Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
(1) 96 gal toter	1 X	1	\$73.14
(2) 96 gal toter	1 X	2	\$146.28
2 yd bin	1 X	2	\$146.28
2 yd bin	2 X	4	\$292.56
2 yd bin	3 X	6	\$438.85
2 yd bin	4 X	8	\$585.13
3 yd bin	1 X	3	\$219.42
3 yd bin	2 X	6	\$438.85
3 yd bin	3 X	9	\$658.27
3 yd bin	4 X	12	\$877.69
4 yd bin	1 X	4	\$292.56
4 yd bin	2 X	8	\$585.13
4 yd bin	3 X	12	\$877.69
4 yd bin	4 X	16	\$1,170.26
6 yd bin	1 X	6	\$438.85
6 yd bin	2 X	12	\$877.69
6 yd bin	3 X	18	\$1,316.54
6 yd bin	4 X	24	\$1,755.39

Table 7 – Continued

FY 2024/25 Rate Derivation	Total FY 24/25 Rate		
Commercial Organics Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
(1) 96 gal toter	1 X	1	\$73.14
(2) 96 gal toter	1 X	2	\$146.28
2 yd bin	1 X	2	\$146.28
2 yd bin	2 X	4	\$292.56
2 yd bin	3 X	6	\$438.85
2 yd bin	4 X	8	\$585.13
3 yd bin	1 X	3	\$219.42
3 yd bin	2 X	6	\$438.85
3 yd bin	3 X	9	\$658.27
3 yd bin	4 X	12	\$877.69
4 yd bin	1 X	4	\$292.56
4 yd bin	2 X	8	\$585.13
4 yd bin	3 X	12	\$877.69
4 yd bin	4 X	16	\$1,170.26
6 yd bin	1 X	6	\$438.85
6 yd bin	2 X	12	\$877.69
6 yd bin	3 X	18	\$1,316.54
6 yd bin	4 X	24	\$1,755.39

Table 7 – Continued

FY 2024/25 Rate Derivation	Total FY 24/25 Rate		
Residential Three Toter Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
Residential	1 X	0.60	\$43.98
Low Income/Senior	1 X	0.60	\$43.98
Residential Extra Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
Extra trash toter	1 X	0.27	\$19.43
Extra recycle toter	1 X	0.27	\$19.43
Extra green waste toter	1 X	0.27	\$19.43

3.10 Proposed Solid Waste Rates Scenario 1

Recommended rates reflecting no phase-in are as follows.

Table 8 – Recommended Scenario 1 Rates

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Trash Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$41.87	\$73.14	\$78.63	\$84.53	\$90.87	\$97.69	\$103.55
(2) 96 gal toter	1 X	\$83.73	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92

Table 8 – Continued

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Recycling Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$20.95	\$73.14	\$78.63	\$84.53	\$90.87	\$97.69	\$103.55
(2) 96 gal toter	1 X	\$41.87	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$72.74	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$145.46	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$109.10	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$218.18	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$145.46	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$290.85	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$218.18	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$436.27	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92

Table 8 – Continued

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Organics Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$13.94	\$73.14	\$78.63	\$84.53	\$90.87	\$97.69	\$103.55
(2) 96 gal toter	1 X		\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92

Table 8 – Continued

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Residential Three Toter Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
Residential Customers	1 X	\$41.83	\$43.98	\$47.28	\$50.83	\$54.64	\$58.74	\$62.26
<i>% Increase</i>			5.14%	7.50%	7.51%	7.50%	7.50%	5.99%
<i>\$ Increase</i>			\$2.15	\$3.30	\$3.55	\$3.81	\$4.10	\$3.52
Low Income/Senior Customers	1 X	\$31.83	\$31.83	\$31.83	\$33.18	\$34.53	\$35.88	\$37.23
<i>% Increase</i>			0.00%	0.00%	4.24%	4.07%	3.91%	3.76%
<i>\$ Increase</i>			\$0.00	\$0.00	\$1.35	\$1.35	\$1.35	\$1.35
Residential Extra Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
Extra trash toter	1 X	\$6.81	\$19.43	\$20.89	\$22.46	\$24.14	\$25.95	\$27.51
Extra recycle toter	1 X	\$6.81	\$19.43	\$20.89	\$22.46	\$24.14	\$25.95	\$27.51
totter	1 X	\$6.81	\$19.43	\$20.89	\$22.46	\$24.14	\$25.95	\$27.51

3.11 Proposed Solid Waste Rates Scenario 2

The Scenario 2 phased-in rates for the affected classed were derived by increasing the existing rate by even increments each year to reach the same proposed Scenario 1 rates on 7/1/2029.

Recommended rates reflecting the phase-in are as follows.

Table 9 – Recommended Scenario 2 Rates

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Trash Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$41.87	\$52.15	\$62.43	\$72.71	\$82.99	\$93.27	\$103.55
(2) 96 gal toter	1 X	\$83.73	\$104.29	\$124.84	\$145.40	\$165.96	\$186.51	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92

Table 9 – Continued

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Recycling Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$20.95	\$34.72	\$48.48	\$62.25	\$76.02	\$89.78	\$103.55
(2) 96 gal toter	1 X	\$41.87	\$69.40	\$96.94	\$124.47	\$152.00	\$179.54	\$207.07
2 yd bin	1 X	\$72.74	\$95.13	\$117.52	\$139.91	\$162.29	\$184.68	\$207.07
2 yd bin	2 X	\$145.46	\$190.24	\$235.02	\$279.81	\$324.59	\$369.37	\$414.15
2 yd bin	3 X		\$285.39	\$352.55	\$419.72	\$486.88	\$554.05	\$621.23
2 yd bin	4 X		\$380.51	\$470.07	\$559.62	\$649.17	\$738.73	\$828.31
3 yd bin	1 X	\$109.10	\$142.69	\$176.27	\$209.86	\$243.44	\$277.03	\$310.61
3 yd bin	2 X	\$218.18	\$285.36	\$352.53	\$419.71	\$486.88	\$554.06	\$621.23
3 yd bin	3 X		\$428.06	\$528.81	\$629.57	\$730.32	\$831.08	\$931.84
3 yd bin	4 X		\$570.74	\$705.08	\$839.42	\$973.76	\$1,108.10	\$1,242.46
4 yd bin	1 X	\$145.46	\$190.24	\$235.02	\$279.81	\$324.59	\$369.37	\$414.15
4 yd bin	2 X	\$290.85	\$380.43	\$470.00	\$559.58	\$649.16	\$738.73	\$828.31
4 yd bin	3 X		\$570.73	\$705.07	\$839.42	\$973.76	\$1,108.11	\$1,242.46
4 yd bin	4 X		\$760.97	\$940.09	\$1,119.22	\$1,298.35	\$1,477.47	\$1,656.62
6 yd bin	1 X	\$218.18	\$285.36	\$352.53	\$419.71	\$486.88	\$554.06	\$621.23
6 yd bin	2 X	\$436.27	\$570.64	\$705.00	\$839.37	\$973.73	\$1,108.10	\$1,242.46
6 yd bin	3 X		\$856.07	\$1,057.59	\$1,259.12	\$1,460.64	\$1,662.17	\$1,863.70
6 yd bin	4 X		\$1,141.42	\$1,410.12	\$1,678.82	\$1,947.52	\$2,216.22	\$2,484.92

Table 9 – Continued

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Organics Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$13.94	\$28.88	\$43.81	\$58.75	\$73.68	\$88.62	\$103.55
(2) 96 gal toter	1 X		\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92

Table 9 – Continued

Recommended Rates		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Residential Three Toter Service								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
Residential Customers	1 X	\$41.83	\$43.98	\$47.28	\$50.83	\$54.64	\$58.74	\$62.26
<i>% Increase</i>			5.14%	7.50%	7.51%	7.50%	7.50%	5.99%
<i>\$ Increase</i>			\$2.15	\$3.30	\$3.55	\$3.81	\$4.10	\$3.52
Low Income/Senior Customers	1 X	\$31.83	\$31.83	\$31.83	\$33.18	\$34.53	\$35.88	\$37.23
<i>% Increase</i>			0.00%	0.00%	4.24%	4.07%	3.91%	3.76%
<i>\$ Increase</i>			\$0.00	\$0.00	\$1.35	\$1.35	\$1.35	\$1.35
Residential Extra Service								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
Extra trash toter	1 X	\$6.81	\$10.26	\$13.71	\$17.16	\$20.61	\$24.06	\$27.51
Extra recycle toter	1 X	\$6.81	\$10.26	\$13.71	\$17.16	\$20.61	\$24.06	\$27.51
Extra green waste toter	1 X	\$6.81	\$10.26	\$13.71	\$17.16	\$20.61	\$24.06	\$27.51

¹ Phased-in rates are for 96 gallon 1x per week commercial service, all commercial recycling services and all residential extra toter services.

² Phased-in rates increase in even increments to reach targeted FY 29/30 rate.

4 BILL IMPACTS

The following table compares the monthly bill impact of the FY 2024/25 rate increases between Scenario 1 and Scenario 2.

Table 10 – Bill Impact Comparison

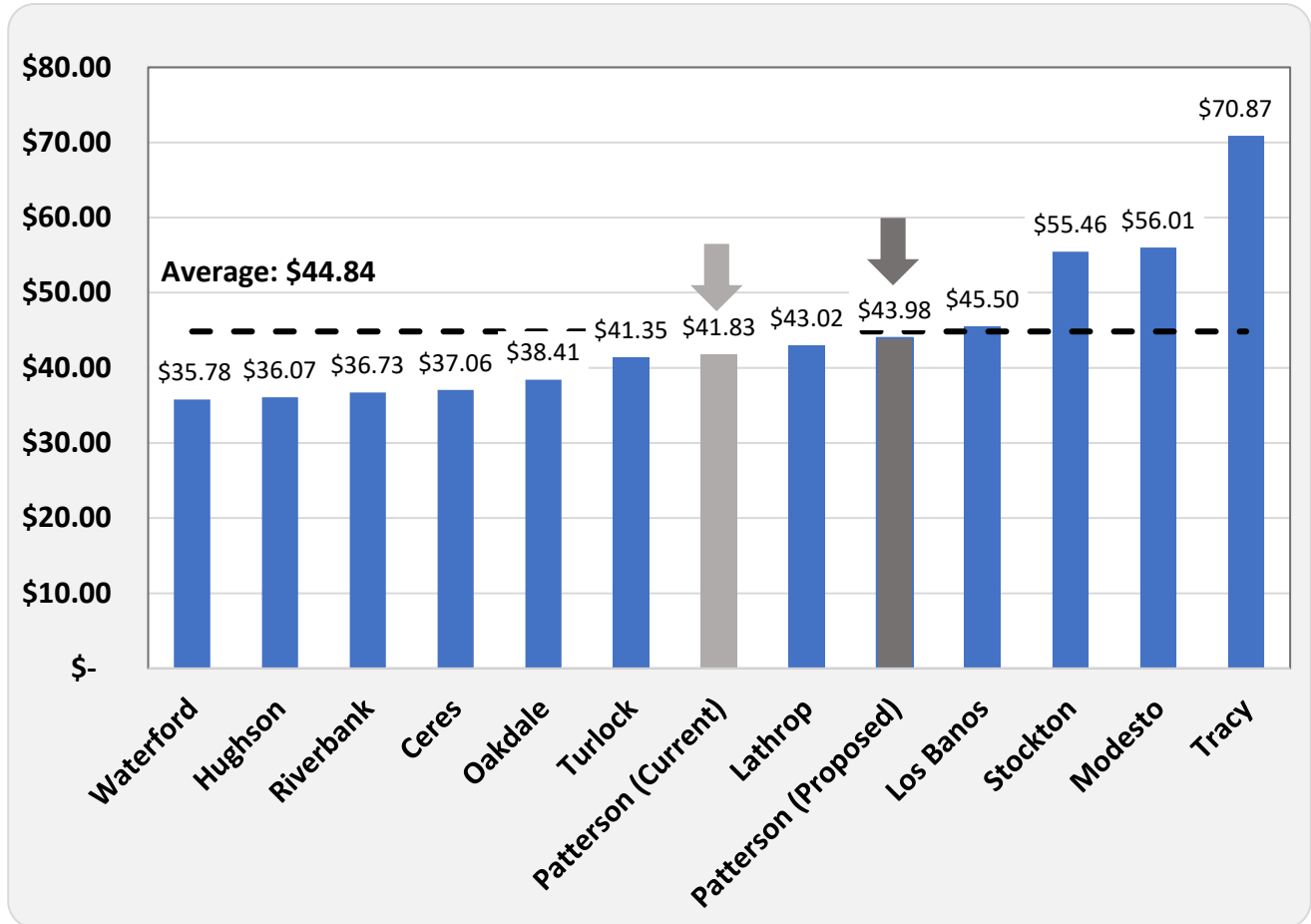
Bill Impact Comparison ¹			Scenario 1: No Phase-In				Scenario 2: Phase-In		
			Current Rates FY 23/24	Proposed FY 24/25 Rates	Rate Increase FY 24/25	Rate Increase FY 24/25	Proposed FY 24/25 Rates	Rate Increase FY 24/25	Rate Increase FY 24/25
Size	Weekly Frequency	#	\$ per Month	\$ per Month	\$ per Month	%	\$ per Month	\$ per Month	%
Commercial Trash Service Monthly Rate									
(1) 96 gal toter	1 X	112	\$41.87	\$73.14	\$31.27	74.68%	\$52.15	\$10.28	24.55%
(2) 96 gal toter	1 X	4	\$83.73	\$146.28	\$62.55	74.70%	\$104.29	\$20.56	24.55%
2 yd bin	1 X	48	\$145.46	\$146.28	\$0.82	0.56%	\$146.28	\$0.82	0.56%
2 yd bin	2 X	11	\$290.85	\$292.56	\$1.71	0.59%	\$292.56	\$1.71	0.59%
3 yd bin	1 X	18	\$218.18	\$219.42	\$1.24	0.57%	\$219.42	\$1.24	0.57%
3 yd bin	2 X	15	\$436.27	\$438.85	\$2.58	0.59%	\$438.85	\$2.58	0.59%
4 yd bin	1 X	32	\$290.85	\$292.56	\$1.71	0.59%	\$292.56	\$1.71	0.59%
4 yd bin	2 X	53	\$581.71	\$585.13	\$3.42	0.59%	\$585.13	\$3.42	0.59%
6 yd bin	1 X	6	\$436.27	\$438.85	\$2.58	0.59%	\$438.85	\$2.58	0.59%
6 yd bin	2 X	14	\$872.53	\$877.69	\$5.16	0.59%	\$877.69	\$5.16	0.59%
Commercial Recycling Service									
(1) 96 gal toter	1 X	6	\$20.95	\$73.14	\$52.19	249.12%	\$34.72	\$13.77	65.71%
(2) 96 gal toter	1 X	1	\$41.87	\$146.28	\$104.41	249.37%	\$69.40	\$27.53	65.76%
2 yd bin	1 X	16	\$72.74	\$146.28	\$73.54	101.10%	\$95.13	\$22.39	30.78%
2 yd bin	2 X	2	\$145.46	\$292.56	\$147.10	101.13%	\$190.24	\$44.78	30.79%
3 yd bin	1 X	4	\$109.10	\$235.88	\$126.78	116.21%	\$142.69	\$33.59	30.78%
3 yd bin	2 X	2	\$218.18	\$471.76	\$253.58	116.23%	\$285.36	\$67.18	30.79%
4 yd bin	1 X	14	\$145.46	\$292.56	\$147.10	101.13%	\$190.24	\$44.78	30.79%
4 yd bin	2 X	12	\$290.85	\$585.13	\$294.28	101.18%	\$380.43	\$89.58	30.80%
6 yd bin	1 X	2	\$218.18	\$438.85	\$220.67	101.14%	\$285.36	\$67.18	30.79%
Commercial Organics Service									
(1) 96 gal toter	1 X	30	\$13.94	\$73.14	\$59.20	424.68%	\$28.88	\$14.94	107.14%
6 yd bin	1 X	1	\$436.27	\$438.85	\$2.58	0.59%	\$438.85	\$2.58	0.59%
Residential Three Toter Service									
Residential Customers	1 X	6,635	\$41.83	\$43.98	\$2.15	5.14%	\$43.98	\$2.15	5.14%
Low Income/Senior Customers	1 X	56	\$31.83	\$31.83	\$0.00	0.00%	\$31.83	\$0.00	0.00%
Residential Extra Service									
Extra green waste toter	1 X	20	\$6.81	\$19.43	\$12.62	185.32%	\$10.26	\$3.45	50.66%

¹ Only services with customers are shown.

5 SOLID WASTE RATE SURVEY

The following chart compares the solid waste bill for a typical residential customer with a 96-gallon service to those of other regional agencies.

Figure 3 – Monthly Residential Solid Waste Rate Survey (90/96 Gallon Service)



APPENDIX A - RATE STUDY TABLES

Table 1
City of Patterson, Solid Waste Rate Study
Revenues and Expenses

Budget Items ¹		Inflation	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29-30
			<i>Estimated</i>	<i>Budgeted</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>
Account Number Non-Rate Revenues									
600-000-5030	Franchise Fees	0.0%	\$32,417	\$44,530	\$44,530	\$44,530	\$44,530	\$44,530	\$44,530
600-000-5235	Highway Maintenance (SWEEP)	0.0%	3,960	4,320	11,500	11,500	11,500	11,500	11,500
600-000-5700	Late Fee	0.0%		120,000	120,000	120,000	120,000	120,000	120,000
Total Non-Rate Revenues			\$36,377	\$168,850	\$176,030	\$176,030	\$176,030	\$176,030	\$176,030
Account Number City Expenses									
600-200-6001	Salaries & Wages, Full-Time	5.0%	0	214,583	225,312	236,578	248,407	260,827	273,868
600-200-6011	Leave Payout	3.0%	0	3,286	3,384	3,486	3,591	3,698	3,809
600-200-6100	FICA/Medicare - Employer	5.0%	0	3,159	3,317	3,483	3,657	3,840	4,032
600-200-6105	Retirement	5.0%	0	29,705	31,191	32,750	34,388	36,107	37,912
600-200-6110	Worker's Compensation	5.0%	0	6,830	7,172	7,530	7,907	8,302	8,717
600-200-6120	Medical Insurance	5.0%	0	61,112	64,168	67,376	70,745	74,282	77,996
600-200-6123	Post Retirement Medical Insur.	5.0%	0	2,251	2,364	2,482	2,606	2,736	2,873
600-200-6125	Dental Insurance	5.0%	0	6,428	6,749	7,087	7,441	7,813	8,204
600-200-6130	Vision Insurance	5.0%	0	804	844	886	931	977	1,026
600-200-6135	Life Insurance	5.0%	0	953	1,001	1,051	1,103	1,158	1,216
600-790-6001	Salaries & Wages, Full-Time	5.0%	879,279	775,834	814,625	855,357	898,124	943,031	990,182
600-790-6002	Salaries & Wages, Part-Time	5.0%	9,357	26,000	27,300	28,665	30,098	31,603	33,183
600-790-6005	Overtime	5.0%	4,684	6,200	6,510	6,836	7,177	7,536	7,913
600-790-6011	Leave Payout	5.0%	14,706	11,699	12,284	12,898	13,543	14,220	14,931
600-790-6100	FICA/Medicare - Employer	5.0%	12,047	13,953	14,650	15,383	16,152	16,959	17,807
600-790-6105	Retirement	5.0%	127,528	101,680	106,764	112,103	117,708	123,593	129,773
600-790-6106	HRA	5.0%	13,857	15,575	16,354	17,172	18,030	18,932	19,878
600-790-6110	Worker's Compensation	5.0%	14,761	55,142	57,899	60,794	63,834	67,025	70,377
600-790-6115	Unemployment Insurance	5.0%	62	0	0	0	0	0	0
600-790-6120	Medical Insurance	5.0%	165,877	115,612	121,392	127,462	133,835	140,527	147,553
600-790-6123	Post Retirement - Medical Ins	5.0%	1,968	8,316	8,732	9,168	9,627	10,108	10,614
600-790-6125	Dental Insurance	5.0%	19,278	23,745	24,932	26,178	27,487	28,862	30,305
600-790-6130	Vision Insurance	5.0%	2,851	2,970	3,119	3,274	3,438	3,610	3,791
600-790-6135	Life Insurance	5.0%	4,606	7,933	8,329	8,746	9,183	9,642	10,124
600-790-6145	Tuition Reimbursement	0.0%	0	1,000	1,000	1,000	1,000	1,000	1,000
600-790-6155	Def Compensation Match	5.0%	4,972	1,720	1,806	1,896	1,991	2,090	2,195
600-790-6200	Fiscal Service	5.0%	5,286	8,251	8,664	9,097	9,552	10,029	10,531
600-790-6221	Consulting Services ^{2,3}	0.0%	22,951	50,000	5,000	5,000	5,000	30,000	5,000
600-790-6222	IT Services ⁴	3.0%	11,320	20,000	20,600	21,218	21,855	22,510	23,185
600-790-6241	Contract Service - St Sweeping ⁵	5.0%	192,585	242,657	254,790	652,050	684,653	718,885	754,829
600-790-6242	Contract Services (NEW - SW Program Costs) ^{6,7}	5.0%	0	15,000	5,000	5,250	5,513	5,788	6,078
600-790-6244	SW Community Recycling Day ⁸	5.0%	0	20,000	21,000	22,050	23,153	24,310	25,526
600-790-6250	Insurance	5.0%	321,465	423,848	445,040	467,292	490,657	515,190	540,949
600-790-6300	Equipment Maintenance	5.0%	138	400	420	441	463	486	511
600-790-6310	Facility Maintenance	3.0%	4,030	5,000	5,150	5,305	5,464	5,628	5,796
600-790-6315	Vehicle Maintenance	5.0%	3,660	8,000	8,400	8,820	9,261	9,724	10,210
600-790-6400	Office Supplies	3.0%	5,845	6,000	6,180	6,365	6,556	6,753	6,956
600-790-6405	Postage	3.0%	14,412	12,000	12,360	12,731	13,113	13,506	13,911
600-790-6410	Departmental Supplies	3.0%	1,198	5,500	5,665	5,835	6,010	6,190	6,376
600-790-6415	Small Tools/Shop Supplies	3.0%	1,909	2,667	2,747	2,829	2,914	3,002	3,092
600-790-6425	Fuel	5.0%	6,854	5,000	5,250	5,513	5,788	6,078	6,381
600-790-6435	Safety Supplies	5.0%	135	1,350	1,418	1,488	1,563	1,641	1,723
600-790-6440	Uniforms	5.0%	6,837	10,000	10,500	11,025	11,576	12,155	12,763
600-790-6500	Rents & Leases, Equipment	3.0%	3,199	11,450	11,794	12,147	12,512	12,887	13,274
600-790-6605	Advertising	3.0%	5,165	6,100	6,283	6,471	6,666	6,866	7,072
600-790-6610	Training	3.0%	3,041	3,500	3,605	3,713	3,825	3,939	4,057
600-790-6620	Due & Publications	5.0%	396	2,000	2,100	2,205	2,315	2,431	2,553
600-790-6625	Medical Services	5.0%	291	500	525	551	579	608	638
600-000-6680	Grant Expenditure	5.0%	9,889	0	0	0	0	0	0
600-790-6700	Telephone	5.0%	7,565	7,500	7,875	8,269	8,682	9,116	9,572
600-790-6760	Permits & Fees	5.0%	0	200	210	221	232	243	255

**City of Patterson, Solid Waste Rate Study
Revenues and Expenses**

Budget Items ¹		Inflation	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29-30
			<i>Estimated</i>	<i>Budgeted</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>
600-790-7501	Computer Equipment	0.0%	3,276	10,000	10,000	10,000	10,000	10,000	10,000
600-790-7504	Vehicles ⁹	0.0%	129,564	0	0	0	0	300,500	0
600-790-7550	Improvements Expense ¹⁰	0.0%	0	0	80,000	100,000	100,000	100,000	100,000
600-790-7560	Machinery & Equipment Expense ¹¹	0.0%	62,256	32,500	42,230	5,000	50,000	0	25,000
600-790-7573	Recycling Program	0.0%	28,000	28,000	28,000	28,000	28,000	28,000	28,000
600-999-9000	To General Fund	5.0%	689,206	235,000	246,750	259,088	272,042	285,644	299,926
600-999-9012	To Street 327 Fund ¹²	0.0%	100,000	0	100,000	100,000	100,000	100,000	100,000
600-999-9013	To Sewer Fund ¹³	0.0%	0	0	0	100,000	100,000	100,000	100,000
	New Personnel ¹⁴	0.0%	\$0	\$0	\$0	\$47,010	\$135,379	\$142,148	\$202,867
Total City Expenses			\$2,916,307	\$2,668,912	\$2,928,752	\$3,574,624	\$3,865,321	\$4,312,737	\$4,246,311

¹ Based on City financial forecast provided 8/15/24.

² Consultant Services, Year 1 24/25, \$5,000 general, \$20,000 SW Rate Study, \$25k electrical infrastructure Master Plan.

³ Consultant Services, Year 5 28/29, \$5,000 general, \$25,000 SW Rate Study.

⁴ IT Services - \$10,000 increase for Mobile MMS, renewed contract increase, additional computer needs.

⁵ Street Sweeping - City performing Street Sweeping services due to prevailing wage requirements. Vehicles and personnel are included in this amount.

⁶ Contract Services - New Account for Solid Waste Program, hazardous waste disposal. Includes \$10,000 annually.

⁷ Contract Services - New Account for Parks (Annually) \$10,000 for compost procurement/equipment, SB1383 regulation. 50% Garbage/50% LMD.

⁸ SW Community Recycling Day - Two times per year Community Recycling Day Event, etc.

⁹ Vehicles - Listed in Table 16. Please note, those vehicles for street sweeping are included in the cost for street sweeping, account 600-790-6241.

¹⁰ Improvements Expense - \$80,000 for 25/26 SP Green Waste Processing Area improvements and new and old corporation yard.

¹¹ Machinery & Equipment Expense - Listed in Table 16 and includes one time cost of Equipment, Vehicles, Tools, Incidentals from Table 16.

¹² To Street Fund - Includes Streets (Annually) \$100,000 for Street/Alley Repairs due to garbage trucks damaging asphalt.

¹³ To Sewer Fund - Include \$100,000 reimbursement from Garbage to Sewer for Bark/Compost Blower purchase annually for 5 years (\$500,000 total).

¹⁴ New Personnel - Recoccurring costs for personnel are provided at a 5% inflation rate. Please note, those personnel for street sweeping are included in the cost for street sweeping and the account total, account 600-790-6241.

Table 2
City of Patterson, Solid Waste Rate Study
FY 2023/24 Equivalent Service Units (ESUs)

Equivalent Service Units (ESUs)

Commercial Trash Service

<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs¹</i>	<i>Customers²</i>	<i>Total ESUs</i>
(1) 96 gal toter	1 X	1	112	112.00
(2) 96 gal toter	1 X	2	4	8.00
2 yd bin	1 X	2	48	96.00
2 yd bin	2 X	4	11	44.00
2 yd bin	3 X	6		
2 yd bin	4 X	8		
3 yd bin	1 X	3	18	54.00
3 yd bin	2 X	6	15	90.00
3 yd bin	3 X	9		
3 yd bin	4 X	12		
4 yd bin	1 X	4	32	128.00
4 yd bin	2 X	8	53	424.00
4 yd bin	3 X	12		
4 yd bin	4 X	16		
6 yd bin	1 X	6	6	36.00
6 yd bin	2 X	12	14	168.00
6 yd bin	3 X	18		
6 yd bin	4 X	24		
Total Commercial Trash Service			313	1,160.00

Commercial Recycling Service

<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
(1) 96 gal toter	1 X	1	6	6.00
(2) 96 gal toter	1 X	2	1	2.00
2 yd bin	1 X	2	16	32.00
2 yd bin	2 X	4	2	8.00
2 yd bin	3 X	6		
2 yd bin	4 X	8		
3 yd bin	1 X	3	4	12.00
3 yd bin	2 X	6	2	12.00
3 yd bin	3 X	9		
3 yd bin	4 X	12		
4 yd bin	1 X	4	14	56.00
4 yd bin	2 X	8	12	96.00
4 yd bin	3 X	12		
4 yd bin	4 X	16		
6 yd bin	1 X	6	2	12.00
6 yd bin	2 X	12	2	24.00
6 yd bin	3 X	18		
6 yd bin	4 X	24		
Total Commercial Recycling Service			61	260.00

Table 2
City of Patterson, Solid Waste Rate Study
FY 2023/24 Equivalent Service Units (ESUs)

Equivalent Service Units (ESUs)

Commercial Organics Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
(1) 96 gal toter	1 X	1	30	30.00
(2) 96 gal toter	1 X	2		
2 yd bin	1 X	2		
2 yd bin	2 X	4		
2 yd bin	3 X	6		
2 yd bin	4 X	8		
3 yd bin	1 X	3		
3 yd bin	2 X	6		
3 yd bin	3 X	9		
3 yd bin	4 X	12		
4 yd bin	1 X	4		
4 yd bin	2 X	8		
4 yd bin	3 X	12		
4 yd bin	4 X	16		
6 yd bin	1 X	6	1	6.00
6 yd bin	2 X	12		
6 yd bin	3 X	18		
6 yd bin	4 X	24		
Total Commercial Organics Service			31	36.00
Total Commercial Equivalent Service Units			405	1,456.00
Residential Equivalent Service Units (ESUs)				
Residential Three Toter Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
Residential Customers	1 X	0.60	6,635	3,989.46
Low Income/Senior Customers	1 X	0.60	56	33.67
Total Residential Three Toter Service			6,691	4,023.13
Residential Extra Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>Customers</i>	<i>Total ESUs</i>
Extra trash toter	1 X	0.27	0	0.00
Extra recycle toter	1 X	0.27	0	0.00
Extra green waste toter	1 X	0.27	20	5.31
Total Residential Extra Service			20	5.31
Total Residential Equivalent Service Units			6,711	4,028.45
Total			7,116	5,484.45

¹ Equivalent Service Units (ESUs) are based on the Bertolotti charges relative to a single toter service once per week service.

² Customer count based on City billing data as of 8/5/2024.

Table 3
City of Patterson, Solid Waste Rate Study
Customer Growth Projections

Commercial Equivalent Service Units (ESUs)	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29-30
Projected Annual Growth Rate		0.5%	1.0%	1.0%	1.0%	1.0%	1.0%
Projected Commercial Growth							
Commercial Trash Service ESUs	1,160.00	1,165.80	1,177.46	1,189.23	1,201.12	1,213.14	1,225.27
Commercial Recycling Service ESUs	260.00	261.30	263.91	266.55	269.22	271.91	274.63
Commercial Organics Service ESUs	<u>36.00</u>	<u>36.18</u>	<u>36.54</u>	<u>36.91</u>	<u>37.28</u>	<u>37.65</u>	<u>38.03</u>
Total Projected Commercial ESUs	1,456.00	1,463.28	1,477.91	1,492.69	1,507.62	1,522.70	1,537.92
Projected Residential Growth							
Projected New Residential Customers (growth override)		105	210	210	210	210	210
Total Residential Three Toter Service Customers	6,691	6,796	7,006	7,216	7,426	7,636	7,846
Residential Three Toter Service ESUs ¹	4,023.13	4,086.27	4,212.54	4,338.80	4,465.07	4,591.34	4,717.61
Residential Extra Service ESUs ¹	<u>5.31</u>	<u>5.34</u>	<u>5.39</u>	<u>5.45</u>	<u>5.50</u>	<u>5.56</u>	<u>5.61</u>
Total Projected Residential ESUs	4,028.45	4,091.61	4,217.93	4,344.25	4,470.57	4,596.90	4,723.22
Total Projected ESUs	5,484.45	5,554.89	5,695.84	5,836.94	5,978.19	6,119.59	6,261.14
Total Projected Growth		1.3%	2.5%	2.5%	2.4%	2.4%	2.3%

¹ Residential Three Toter Service customer is equivalent to 0.60 ESUs. Residential Extra Service customer is equivalent to 0.27 ESUs.

Table 4
City of Patterson, Solid Waste Rate Study
Projected FY 23/24 Revenue

Service Description	Collection Frequency	Current Rate¹	FY 23/24 Customers	FY 23/24 Annual Revenue
Commercial Trash Service Monthly Rate				
<i>Size</i>	<i>Weekly Frequency</i>	<i>\$ per Month</i>	<i>#</i>	<i>\$ per Year</i>
(1) 96 gal toter	1 X	\$41.87	112	\$56,273
(2) 96 gal toter	1 X	\$83.73	4	\$4,019
2 yd bin	1 X	\$145.46	48	\$83,785
2 yd bin	2 X	\$290.85	11	\$38,392
2 yd bin	3 X			
2 yd bin	4 X			
3 yd bin	1 X	\$218.18	18	\$47,127
3 yd bin	2 X	\$436.27	15	\$78,529
3 yd bin	3 X			
3 yd bin	4 X			
4 yd bin	1 X	\$290.85	32	\$111,686
4 yd bin	2 X	\$581.71	53	\$369,968
4 yd bin	3 X			
4 yd bin	4 X			
6 yd bin	1 X	\$436.27	6	\$31,411
6 yd bin	2 X	\$872.53	14	\$146,585
6 yd bin	3 X			
6 yd bin	4 X			
Total Commercial Trash Service			313	\$967,775

Table 4
City of Patterson, Solid Waste Rate Study
Projected FY 23/24 Revenue

Service Description	Collection Frequency	Current Rate¹	FY 23/24 Customers	FY 23/24 Annual Revenue
Commercial Recycling Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>\$ per Month</i>	<i>#</i>	<i>\$ per Year</i>
(1) 96 gal toter	1 X	\$20.95	6	\$1,508
(2) 96 gal toter	1 X	\$41.87	1	\$502
2 yd bin	1 X	\$72.74	16	\$13,966
2 yd bin	2 X	\$145.46	2	\$3,491
2 yd bin	3 X			
2 yd bin	4 X			
3 yd bin	1 X	\$109.10	4	\$5,237
3 yd bin	2 X	\$218.18	2	\$5,236
3 yd bin	3 X			
3 yd bin	4 X			
4 yd bin	1 X	\$145.46	14	\$24,437
4 yd bin	2 X	\$290.85	12	\$41,882
4 yd bin	3 X			
4 yd bin	4 X			
6 yd bin	1 X	\$218.18	2	\$5,236
6 yd bin	2 X	\$436.27	2	\$10,470
6 yd bin	3 X			
6 yd bin	4 X			
Total Commercial Recycling Service			61	\$111,968

Table 4
City of Patterson, Solid Waste Rate Study
Projected FY 23/24 Revenue

Service Description	Collection Frequency	Current Rate¹	FY 23/24 Customers	FY 23/24 Annual Revenue
Commercial Organics Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>\$ per Month</i>	<i>#</i>	<i>\$ per Year</i>
(1) 96 gal toter	1 X	\$13.94	30	\$5,018
(2) 96 gal toter	1 X			
2 yd bin	1 X	\$145.46		
2 yd bin	2 X	\$290.85		
2 yd bin	3 X			
2 yd bin	4 X			
3 yd bin	1 X	\$218.18		
3 yd bin	2 X	\$436.27		
3 yd bin	3 X			
3 yd bin	4 X			
4 yd bin	1 X	\$290.85		
4 yd bin	2 X	\$581.71		
4 yd bin	3 X			
4 yd bin	4 X			
6 yd bin	1 X	\$436.27	1	\$5,235
6 yd bin	2 X	\$872.53		
6 yd bin	3 X			
6 yd bin	4 X			
Total Commercial Organics Service			31	\$10,254
Residential Three Toter Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>\$ per Month</i>	<i>#</i>	<i>\$ per Year</i>
Residential Customers	1 X	\$41.83	6,635	\$3,330,505
Low Income/Senior Customers	1 X	\$31.83	56	\$21,390
Total Residential Three Toter Service			6,691	\$3,351,894
Residential Extra Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>\$ per Month</i>	<i>#</i>	<i>\$ per Year</i>
Extra trash toter	1 X			
Extra recycle toter	1 X			
Extra green waste toter	1 X	\$6.81	20	\$1,634
Total Residential Extra Service			20	\$1,634
Total			7,116	\$4,443,525

¹ Current FY 23/24 rates based on City billing data as of 1/3/2024.

Table 5
City of Patterson, Solid Waste Rate Study
Projected FY 23/24 and FY 24/25 Bertolotti Cost

Summary of Requested Change in Bertolotti Fees	FY 23/24 Customers	Bertolotti FY 23/24 Current Fees ¹	Bertolotti FY 23/24 Current Fees	Bertolotti Proposed Fees (before contract escalation) for FY 24/25 ²	
Commercial Trash Service Monthly Rate					
Size	Weekly Frequency	#	\$ per Month	\$ per Year	\$ per Month
(1) 96 gal toter	1 X	112	\$32.93	\$44,258	\$32.93
(2) 96 gal toter	1 X	4	\$65.86	\$3,161	\$65.86
2 yd bin	1 X	48	\$65.86	\$37,935	\$65.86
2 yd bin	2 X	11	\$131.72	\$17,387	\$131.72
2 yd bin	3 X		n/a		\$197.58
2 yd bin	4 X		n/a		\$263.44
3 yd bin	1 X	18	\$98.79	\$21,339	\$98.79
3 yd bin	2 X	15	\$197.58	\$35,564	\$197.58
3 yd bin	3 X		n/a		\$296.37
3 yd bin	4 X		n/a		\$395.16
4 yd bin	1 X	32	\$131.72	\$50,580	\$131.72
4 yd bin	2 X	53	\$263.44	\$167,548	\$263.44
4 yd bin	3 X		n/a		\$395.16
4 yd bin	4 X		n/a		\$526.88
6 yd bin	1 X	6	\$197.58	\$14,226	\$197.58
6 yd bin	2 X	14	\$395.16	\$66,387	\$395.16
6 yd bin	3 X		n/a		\$592.74
6 yd bin	4 X		n/a		\$790.32

Table 5
City of Patterson, Solid Waste Rate Study
Projected FY 23/24 and FY 24/25 Bertolotti Cost

Summary of Requested Change in Bertolotti Fees	FY 23/24 Customers	Bertolotti FY 23/24 Current Fees ¹	Bertolotti FY 23/24 Current Fees	Bertolotti Proposed Fees (before contract escalation) for FY 24/25 ²	
Commercial Recycling Service					
<i>Size</i>	<i>Weekly Frequency</i>	<i>#</i>	<i>\$ per Month</i>	<i>\$ per Month</i>	
(1) 96 gal toter	1 X	6	\$16.47	\$1,186	\$32.93
(2) 96 gal toter	1 X	1	\$32.93	\$395	\$65.86
2 yd bin	1 X	16	\$32.93	\$6,323	\$65.86
2 yd bin	2 X	2	\$65.86	\$1,581	\$131.72
2 yd bin	3 X		n/a		\$197.58
2 yd bin	4 X		n/a		\$263.44
3 yd bin	1 X	4	\$49.40	\$2,371	\$98.79
3 yd bin	2 X	2	\$98.79	\$2,371	\$197.58
3 yd bin	3 X		n/a		\$296.37
3 yd bin	4 X		n/a		\$395.16
4 yd bin	1 X	14	\$65.86	\$11,064	\$131.72
4 yd bin	2 X	12	\$131.72	\$18,968	\$263.44
4 yd bin	3 X		n/a		\$395.16
4 yd bin	4 X		n/a		\$526.88
6 yd bin	1 X	2	\$98.79	\$2,371	\$197.58
6 yd bin	2 X	2	\$197.58	\$4,742	\$395.16
6 yd bin	3 X		n/a		\$592.74
6 yd bin	4 X		n/a		\$790.32

Table 5
City of Patterson, Solid Waste Rate Study
Projected FY 23/24 and FY 24/25 Bertolotti Cost

Summary of Requested Change in Bertolotti Fees	FY 23/24 Customers	Bertolotti FY 23/24 Current Fees ¹	Bertolotti FY 23/24 Current Fees	Bertolotti Proposed Fees (before contract escalation) for FY 24/25 ²
Commercial Organics Service				
<i>Size</i>	<i>Weekly Frequency</i>	<i>#</i>	<i>\$ per Month</i>	<i>\$ per Month</i>
(1) 96 gal toter	1 X	30	\$32.93	\$11,855
(2) 96 gal toter	1 X		n/a	\$65.86
2 yd bin	1 X		\$65.86	\$65.86
2 yd bin	2 X		\$131.72	\$131.72
2 yd bin	3 X		n/a	\$197.58
2 yd bin	4 X		n/a	\$263.44
3 yd bin	1 X		\$98.79	\$98.79
3 yd bin	2 X		\$197.58	\$197.58
3 yd bin	3 X		n/a	\$296.37
3 yd bin	4 X		n/a	\$395.16
4 yd bin	1 X		\$131.72	\$131.72
4 yd bin	2 X		\$263.44	\$263.44
4 yd bin	3 X		n/a	\$395.16
4 yd bin	4 X		n/a	\$526.88
6 yd bin	1 X	1	\$197.58	\$2,371
6 yd bin	2 X		\$395.16	\$395.16
6 yd bin	3 X		n/a	\$592.74
6 yd bin	4 X		n/a	\$790.32

Table 5
City of Patterson, Solid Waste Rate Study
Projected FY 23/24 and FY 24/25 Bertolotti Cost

Summary of Requested Change in Bertolotti Fees		FY 23/24 Customers	Bertolotti FY 23/24 Current Fees ¹	Bertolotti FY 23/24 Current Fees	Bertolotti Proposed Fees (before contract escalation) for FY 24/25 ²
Residential Three Toter Service					
<i>Size</i>	<i>Weekly Frequency</i>	<i>#</i>	<i>\$ per Month</i>		<i>\$ per Month</i>
Residential Customers	1 X	6,635	\$18.94	\$1,508,003	\$19.80
Low Income/Senior Customers	1 X	56	\$18.94	\$12,728	\$19.80
Residential Extra Service					
<i>Size</i>	<i>Weekly Frequency</i>	<i>#</i>	<i>\$ per Month</i>		<i>\$ per Month</i>
Extra trash toter	1 X		n/a		\$8.75
Extra recycle toter	1 X		n/a		\$8.75
Extra green waste toter	1 X	20	\$5.00	\$1,200	\$8.75
Total Bertolotti Cost		7,116		\$2,045,913	

¹ Current FY 23/24 rates based on City billing data as of 1/3/2024.

² Based on requested rate sheet provided by Bertolotti 1/4/2024.

Table 6
City of Patterson, Solid Waste Rate Study
Bertolotti Cost Projections

Bertolotti Cost Projections	Increase Weight	FY 23/24	FY 24/25	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30
		<i>Actual</i>	<i>Contractual</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>	<i>Projected</i>
Projected Waste to Energy Rate	<i>Projected Utilization</i>			\$43.00	\$50.90	\$53.45	\$56.12	\$58.92	\$61.87
Weighted Rate	62%			\$26.66	\$31.56	\$33.14	\$34.79	\$36.53	\$38.36
Fink Road Landfill Rate				\$29.00	\$45.00	\$47.25	\$49.61	\$52.09	\$54.70
Weighted Rate	38%			\$11.02	\$17.10	\$17.96	\$18.85	\$19.80	\$20.79
Average Weighted Tipping Price				\$37.68	\$48.66	\$51.09	\$53.65	\$56.33	\$59.14
Projected Tipping Rate Increase ¹				1.67%	29.13%	5.00%	5.00%	5.00%	5.00%
Tipping Component of Increase	20%			0.33%	5.83%	1.00%	1.00%	1.00%	1.00%
Collection Increase (CPI) ²				3.20%	4.0%	4.0%	4.0%	4.0%	4.0%
Collection Component of Increase	80%			2.56%	3.20%	3.20%	3.20%	3.20%	3.20%
Total Projected Cost Increase³		n/a	New Base	2.89%	9.03%	4.20%	4.20%	4.20%	4.20%
Bertolotti Monthly Fee per ESU			\$32.93	\$33.88	\$36.94	\$38.49	\$40.11	\$41.79	\$43.55
Total Projected ESUs			5,484.45	5,484	5,555	5,696	5,837	5,978	6,120
Existing Contract Charge		\$2,045,913		\$2,105,122					
Proposed Contract Charge			\$2,167,235	\$2,229,954	\$2,462,478	\$2,631,011	\$2,809,428	\$2,998,265	\$3,198,087
Projected Bertolotti Charges⁴		\$2,045,913	\$2,167,235	\$2,167,538	\$2,462,478	\$2,631,011	\$2,809,428	\$2,998,265	\$3,198,087

¹ Tipping fee agreement with County expires in FY 24/25. Future years of projected tipping rate increase are an estimate.

² Collection fee increase based on current and projected Consumer Price Index (CPI) changes.

³ Total projected cost increase based on a 20% tipping component and an 80% collection component of each respective increase.

⁴ FY 24/25 assumes a half-year existing contract and a half-year proposed contract.

Table 7
City of Patterson, Solid Waste Rate Study
Cashflow Projections
Scenario 1: No Phase-In

Cashflow	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30
Beginning Reserve Balance	\$2,022,601	\$1,584,836	\$1,619,455	\$1,790,091	\$1,692,880	\$1,720,542	\$1,764,041
Revenues							
Current Rate Revenue	\$4,443,525	\$4,500,597	\$4,999,202	\$5,507,274	\$6,063,587	\$6,672,531	\$7,338,886
<i>Revenue Increase %</i>		8.3%	7.5%	7.5%	7.5%	7.5%	6.0%
Rate Revenue from Increase		\$374,891	\$374,940	\$413,046	\$454,769	\$500,440	\$440,333
Timing Adjustment ¹		-\$187,446					
Other Revenue	\$36,377	\$168,850	\$176,030	\$176,030	\$176,030	\$176,030	\$176,030
Discount Program		-\$9,623	-\$12,607	-\$14,826	-\$17,375	-\$20,300	-\$22,831
Interest	<u>\$44,552</u>	<u>\$23,800</u>	<u>\$24,300</u>	<u>\$26,900</u>	<u>\$25,400</u>	<u>\$25,800</u>	<u>\$26,500</u>
Total Revenue	\$4,524,455	\$4,871,069	\$5,561,865	\$6,108,424	\$6,702,411	\$7,354,501	\$7,958,918
Expenses							
Bertolotti O&M Cost	\$2,045,913	\$2,167,538	\$2,462,478	\$2,631,011	\$2,809,428	\$2,998,265	\$3,198,087
All Other O&M	\$2,724,486	\$2,636,412	\$2,886,522	\$3,469,624	\$3,715,321	\$3,912,237	\$4,121,311
Equipment Purchase	<u>\$191,821</u>	<u>\$32,500</u>	<u>\$42,230</u>	<u>\$105,000</u>	<u>\$150,000</u>	<u>\$400,500</u>	<u>\$125,000</u>
Total Expenses	\$4,962,220	\$4,836,450	\$5,391,230	\$6,205,635	\$6,674,748	\$7,311,002	\$7,444,398
Net Revenues	-\$437,765	\$34,620	\$170,635	-\$97,211	\$27,662	\$43,499	\$514,520
Ending Reserve Balance	\$1,584,836	\$1,619,455	\$1,790,091	\$1,692,880	\$1,720,542	\$1,764,041	\$2,278,561
<i>Reserve Targets (3 Months</i>							
<i>Operating Cost)</i>	<i>\$1,193,000</i>	<i>\$1,201,000</i>	<i>\$1,337,000</i>	<i>\$1,525,000</i>	<i>\$1,631,000</i>	<i>\$1,728,000</i>	<i>\$1,830,000</i>
<i>Target Met?</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>

¹ Timing adjustment reflects a rate implementation on January 1, 2025.

City of Patterson Solid Waste Cashflow (\$ millions) Scenario 1: No Phase-In

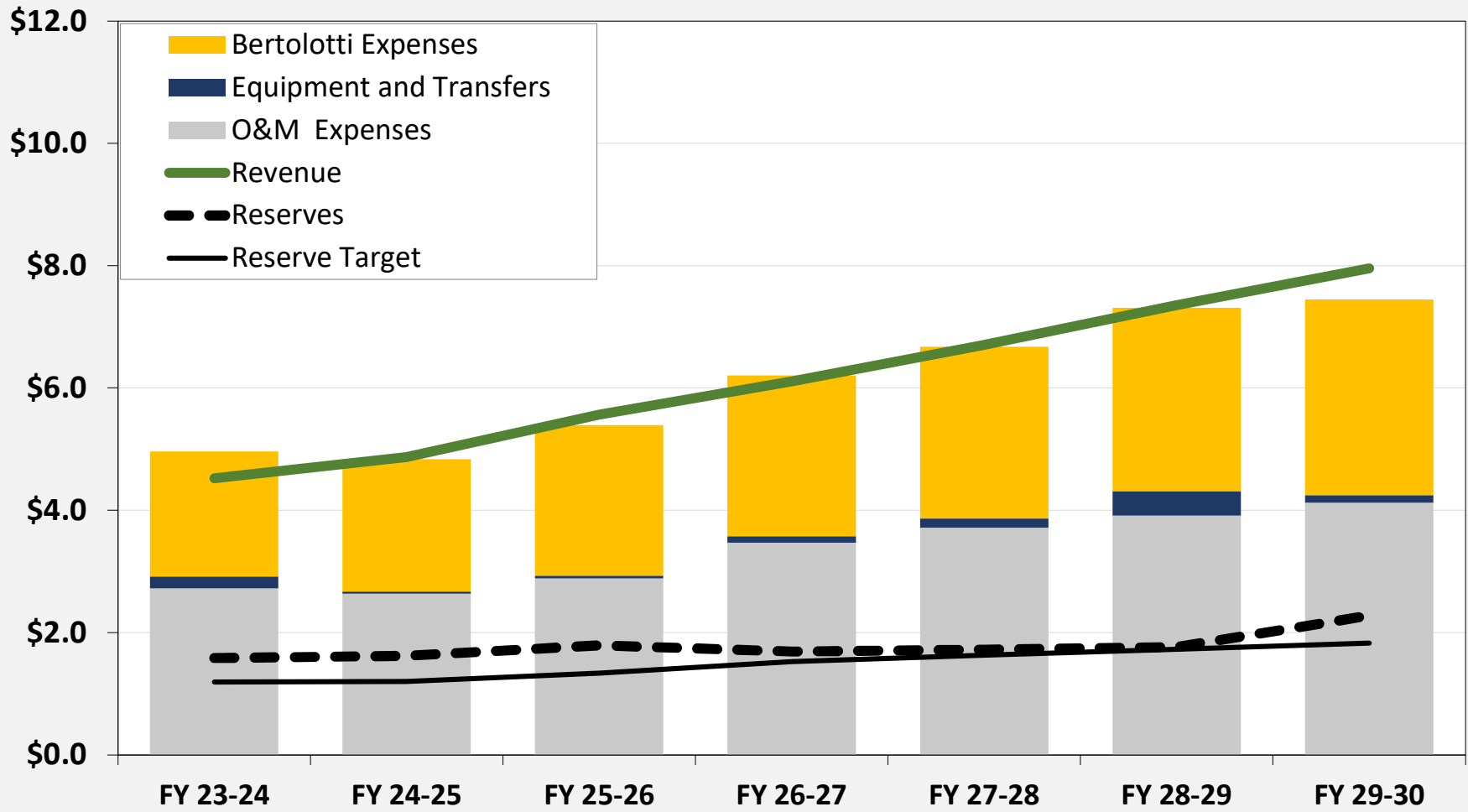


Table 8
City of Patterson, Solid Waste Rate Study
FY 24/25 Unit Rate Derivation

Unit Rate Derivation	FY 24/25
Rate Revenue Requirement	\$4,875,488.01
FY 24/25 ESUs	<u>5,554.89</u>
Annual Rate per ESU	<u>\$877.69</u>
Monthly Rate Per ESU	<u>\$73.14</u>

Table 9
City of Patterson, Solid Waste Rate Study
FY 2024/25 Rate Derivation

FY 2024/25 Rate Derivation			Total FY 24/25 Rate
Commercial Trash Service Monthly Rate			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
(1) 96 gal toter	1 X	1	\$73.14
(2) 96 gal toter	1 X	2	\$146.28
2 yd bin	1 X	2	\$146.28
2 yd bin	2 X	4	\$292.56
2 yd bin	3 X	6	\$438.85
2 yd bin	4 X	8	\$585.13
3 yd bin	1 X	3	\$219.42
3 yd bin	2 X	6	\$438.85
3 yd bin	3 X	9	\$658.27
3 yd bin	4 X	12	\$877.69
4 yd bin	1 X	4	\$292.56
4 yd bin	2 X	8	\$585.13
4 yd bin	3 X	12	\$877.69
4 yd bin	4 X	16	\$1,170.26
6 yd bin	1 X	6	\$438.85
6 yd bin	2 X	12	\$877.69
6 yd bin	3 X	18	\$1,316.54
6 yd bin	4 X	24	\$1,755.39
Commercial Recycling Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
(1) 96 gal toter	1 X	1	\$73.14
(2) 96 gal toter	1 X	2	\$146.28
2 yd bin	1 X	2	\$146.28
2 yd bin	2 X	4	\$292.56
2 yd bin	3 X	6	\$438.85
2 yd bin	4 X	8	\$585.13
3 yd bin	1 X	3	\$219.42
3 yd bin	2 X	6	\$438.85
3 yd bin	3 X	9	\$658.27
3 yd bin	4 X	12	\$877.69
4 yd bin	1 X	4	\$292.56
4 yd bin	2 X	8	\$585.13
4 yd bin	3 X	12	\$877.69
4 yd bin	4 X	16	\$1,170.26
6 yd bin	1 X	6	\$438.85
6 yd bin	2 X	12	\$877.69
6 yd bin	3 X	18	\$1,316.54
6 yd bin	4 X	24	\$1,755.39

Table 9
City of Patterson, Solid Waste Rate Study
FY 2024/25 Rate Derivation

FY 2024/25 Rate Derivation			Total FY 24/25 Rate
Commercial Organics Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
(1) 96 gal toter	1 X	1	\$73.14
(2) 96 gal toter	1 X	2	\$146.28
2 yd bin	1 X	2	\$146.28
2 yd bin	2 X	4	\$292.56
2 yd bin	3 X	6	\$438.85
2 yd bin	4 X	8	\$585.13
3 yd bin	1 X	3	\$219.42
3 yd bin	2 X	6	\$438.85
3 yd bin	3 X	9	\$658.27
3 yd bin	4 X	12	\$877.69
4 yd bin	1 X	4	\$292.56
4 yd bin	2 X	8	\$585.13
4 yd bin	3 X	12	\$877.69
4 yd bin	4 X	16	\$1,170.26
6 yd bin	1 X	6	\$438.85
6 yd bin	2 X	12	\$877.69
6 yd bin	3 X	18	\$1,316.54
6 yd bin	4 X	24	\$1,755.39
Residential Three Toter Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
Residential	1 X	0.60	\$43.98
Low Income/Senior	1 X	0.60	\$43.98
Residential Extra Service			
<i>Size</i>	<i>Weekly Frequency</i>	<i>ESUs</i>	<i>\$ per Month</i>
Extra trash toter	1 X	0.27	\$19.43
Extra recycle toter	1 X	0.27	\$19.43
Extra green waste toter	1 X	0.27	\$19.43

Table 10
City of Patterson, Solid Waste Rate Study
Recommended Rates
Scenario 1: No Phase-In

Recommended Rates		Current	Rates Effective					
			1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Trash Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$41.87	\$73.14	\$78.63	\$84.53	\$90.87	\$97.69	\$103.55
(2) 96 gal toter	1 X	\$83.73	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92
Commercial Recycling Service Monthly Rate (\$ per Service)								
<i>Size</i>	<i>Weekly Frequency</i>	<i>Current</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
(1) 96 gal toter	1 X	\$20.95	\$73.14	\$78.63	\$84.53	\$90.87	\$97.69	\$103.55
(2) 96 gal toter	1 X	\$41.87	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$72.74	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$145.46	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$109.10	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$218.18	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$145.46	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$290.85	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$218.18	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$436.27	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92

Table 10
City of Patterson, Solid Waste Rate Study
Recommended Rates
Scenario 1: No Phase-In

Recommended Rates		Rates Effective						
		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Organics Service Monthly Rate (\$ per Service)								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
(1) 96 gal toter	1 X	\$13.94	\$73.14	\$78.63	\$84.53	\$90.87	\$97.69	\$103.55
(2) 96 gal toter	1 X		\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92
Residential Three Toter Service Monthly Rate (\$ per Service)								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
Residential Customers	1 X	\$41.83	\$43.98	\$47.28	\$50.83	\$54.64	\$58.74	\$62.26
% Increase			5.14%	7.50%	7.51%	7.50%	7.50%	5.99%
\$ Increase			\$2.15	\$3.30	\$3.55	\$3.81	\$4.10	\$3.52
Low Income/Senior Customers	1 X	\$31.83	\$31.83	\$31.83	\$33.18	\$34.53	\$35.88	\$37.23
% Increase			0.00%	0.00%	4.24%	4.07%	3.91%	3.76%
\$ Increase			\$0.00	\$0.00	\$1.35	\$1.35	\$1.35	\$1.35
Residential Extra Service Monthly Rate (\$ per Service)								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
Extra trash toter	1 X	\$6.81	\$19.43	\$20.89	\$22.46	\$24.14	\$25.95	\$27.51
Extra recycle toter	1 X	\$6.81	\$19.43	\$20.89	\$22.46	\$24.14	\$25.95	\$27.51
Extra green waste toter	1 X	\$6.81	\$19.43	\$20.89	\$22.46	\$24.14	\$25.95	\$27.51

Table 11
City of Patterson, Solid Waste Rate Study
FY 2024/25 Bill Impacts
Scenario 1: No Phase-In

Bill Impacts ¹		Number of Customers	Current Rates FY 2023/24	Proposed Rates FY 2024/25	Rate Increase FY 2024/25	Rate Increase FY 2024/25
Size	Weekly Frequency	#	\$ per Month	\$ per Month	\$ per Month	% Increase
Commercial Trash Service Monthly Rate						
(1) 96 gal toter	1 X	112	\$41.87	\$73.14	\$31.27	74.68%
(2) 96 gal toter	1 X	4	\$83.73	\$146.28	\$62.55	74.70%
2 yd bin	1 X	48	\$145.46	\$146.28	\$0.82	0.56%
2 yd bin	2 X	11	\$290.85	\$292.56	\$1.71	0.59%
3 yd bin	1 X	18	\$218.18	\$219.42	\$1.24	0.57%
3 yd bin	2 X	15	\$436.27	\$438.85	\$2.58	0.59%
4 yd bin	1 X	32	\$290.85	\$292.56	\$1.71	0.59%
4 yd bin	2 X	53	\$581.71	\$585.13	\$3.42	0.59%
6 yd bin	1 X	6	\$436.27	\$438.85	\$2.58	0.59%
6 yd bin	2 X	14	\$872.53	\$877.69	\$5.16	0.59%
Commercial Recycling Service						
(1) 96 gal toter	1 X	6	\$20.95	\$73.14	\$52.19	249.12%
(2) 96 gal toter	1 X	1	\$41.87	\$146.28	\$104.41	249.37%
2 yd bin	1 X	16	\$72.74	\$146.28	\$73.54	101.10%
2 yd bin	2 X	2	\$145.46	\$292.56	\$147.10	101.13%
3 yd bin	1 X	4	\$109.10	\$235.88	\$126.78	116.21%
3 yd bin	2 X	2	\$218.18	\$471.76	\$253.58	116.23%
4 yd bin	1 X	14	\$145.46	\$292.56	\$147.10	101.13%
4 yd bin	2 X	12	\$290.85	\$585.13	\$294.28	101.18%
6 yd bin	1 X	2	\$218.18	\$438.85	\$220.67	101.14%
Commercial Organics Service						
(1) 96 gal toter	1 X	30	\$13.94	\$73.14	\$59.20	424.68%
6 yd bin	1 X	1	\$436.27	\$438.85	\$2.58	0.59%
Residential Three Toter Service						
Residential Customers	1 X	6,635	\$41.83	\$43.98	\$2.15	5.14%
Low Income/Senior Customers	1 X	56	\$31.83	\$31.83	\$0.00	0.00%
Residential Extra Service						
Extra green waste toter	1 X	20	\$6.81	\$19.43	\$12.62	185.32%

¹ Only services with customers are shown.

Table 12
City of Patterson, Solid Waste Rate Study
Cashflow Projections
Scenario 2: Phase-In

Cashflow	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30
Beginning Reserve Balance	\$2,022,601	\$1,584,836	\$1,492,726	\$1,562,777	\$1,389,526	\$1,364,132	\$1,375,701
Revenues							
Current Rate Revenue	\$4,443,525	\$4,500,597	\$4,999,203	\$5,507,274	\$6,063,587	\$6,672,531	\$7,338,887
<i>Revenue Increase %</i>		<i>8.3%</i>	<i>7.5%</i>	<i>7.5%</i>	<i>7.5%</i>	<i>7.5%</i>	<i>6.0%</i>
Rate Revenue from Increase		\$374,891	\$374,940	\$413,046	\$454,769	\$500,440	\$440,333
Timing Adjustment ¹		-\$187,446					
Phase-In Adjustment		-\$126,729	-\$98,685	-\$72,540	-\$48,457	-\$26,630	
Other Revenue	\$36,377	\$168,850	\$176,030	\$176,030	\$176,030	\$176,030	\$176,030
Discount Program		-\$9,623	-\$12,607	-\$14,826	-\$17,375	-\$20,300	-\$22,831
Interest	<u>\$44,552</u>	<u>\$23,800</u>	<u>\$22,400</u>	<u>\$23,400</u>	<u>\$20,800</u>	<u>\$20,500</u>	<u>\$20,600</u>
Total Revenue	\$4,524,455	\$4,744,340	\$5,461,281	\$6,032,384	\$6,649,354	\$7,322,571	\$7,953,019
Expenses							
Bertolotti O&M Cost	\$2,045,913	\$2,167,538	\$2,462,478	\$2,631,011	\$2,809,428	\$2,998,265	\$3,198,087
All Other O&M	\$2,724,486	\$2,636,412	\$2,886,522	\$3,469,624	\$3,715,321	\$3,912,237	\$4,121,311
Equipment Purchase	<u>\$191,821</u>	<u>\$32,500</u>	<u>\$42,230</u>	<u>\$105,000</u>	<u>\$150,000</u>	<u>\$400,500</u>	<u>\$125,000</u>
Total Expenses	\$4,962,220	\$4,836,450	\$5,391,230	\$6,205,635	\$6,674,748	\$7,311,002	\$7,444,398
Net Revenues	-\$437,765	-\$92,109	\$70,051	-\$173,251	-\$25,395	\$11,570	\$508,621
Ending Reserve Balance	\$1,584,836	\$1,492,726	\$1,562,777	\$1,389,526	\$1,364,132	\$1,375,701	\$1,884,322
<i>Reserve Targets (3 Months)</i>							
Operating Cost)	\$1,193,000	\$1,201,000	\$1,337,000	\$1,525,000	\$1,631,000	\$1,728,000	\$1,830,000
Target Met?	Yes	Yes	Yes	No	No	No	Yes

¹ Timing adjustment reflects a rate implementation on January 1, 2025.

City of Patterson Solid Waste Cashflow (\$ millions) Scenario 2: Phase-In

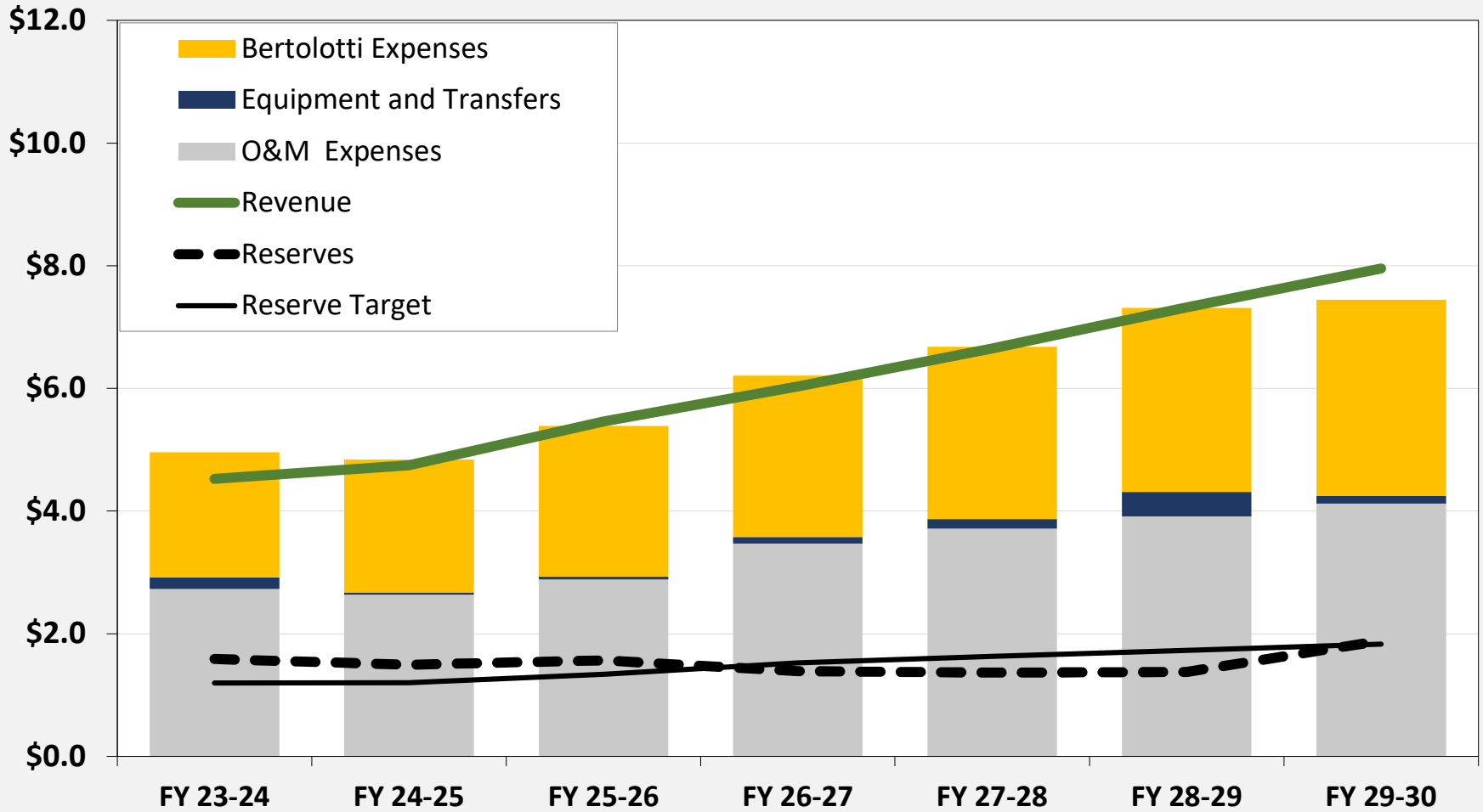


Table 13
City of Patterson, Solid Waste Rate Study
Scenario 2: Phase-In

Recommended Rates		Rates Effective						
		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Trash Service Monthly Rate (\$ per Service)								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
(1) 96 gal toter	1 X	\$41.87	\$52.15	\$62.43	\$72.71	\$82.99	\$93.27	\$103.55
(2) 96 gal toter	1 X	\$83.73	\$104.29	\$124.84	\$145.40	\$165.96	\$186.51	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92
Commercial Recycling Service Monthly Rate (\$ per Service)								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
(1) 96 gal toter	1 X	\$20.95	\$34.72	\$48.48	\$62.25	\$76.02	\$89.78	\$103.55
(2) 96 gal toter	1 X	\$41.87	\$69.40	\$96.94	\$124.47	\$152.00	\$179.54	\$207.07
2 yd bin	1 X	\$72.74	\$95.13	\$117.52	\$139.91	\$162.29	\$184.68	\$207.07
2 yd bin	2 X	\$145.46	\$190.24	\$235.02	\$279.81	\$324.59	\$369.37	\$414.15
2 yd bin	3 X		\$285.39	\$352.55	\$419.72	\$486.88	\$554.05	\$621.23
2 yd bin	4 X		\$380.51	\$470.07	\$559.62	\$649.17	\$738.73	\$828.31
3 yd bin	1 X	\$109.10	\$142.69	\$176.27	\$209.86	\$243.44	\$277.03	\$310.61
3 yd bin	2 X	\$218.18	\$285.36	\$352.53	\$419.71	\$486.88	\$554.06	\$621.23
3 yd bin	3 X		\$428.06	\$528.81	\$629.57	\$730.32	\$831.08	\$931.84
3 yd bin	4 X		\$570.74	\$705.08	\$839.42	\$973.76	\$1,108.10	\$1,242.46
4 yd bin	1 X	\$145.46	\$190.24	\$235.02	\$279.81	\$324.59	\$369.37	\$414.15
4 yd bin	2 X	\$290.85	\$380.43	\$470.00	\$559.58	\$649.16	\$738.73	\$828.31
4 yd bin	3 X		\$570.73	\$705.07	\$839.42	\$973.76	\$1,108.11	\$1,242.46
4 yd bin	4 X		\$760.97	\$940.09	\$1,119.22	\$1,298.35	\$1,477.47	\$1,656.62
6 yd bin	1 X	\$218.18	\$285.36	\$352.53	\$419.71	\$486.88	\$554.06	\$621.23
6 yd bin	2 X	\$436.27	\$570.64	\$705.00	\$839.37	\$973.73	\$1,108.10	\$1,242.46
6 yd bin	3 X		\$856.07	\$1,057.59	\$1,259.12	\$1,460.64	\$1,662.17	\$1,863.70
6 yd bin	4 X		\$1,141.42	\$1,410.12	\$1,678.82	\$1,947.52	\$2,216.22	\$2,484.92

Table 13
City of Patterson, Solid Waste Rate Study
Scenario 2: Phase-In

Recommended Rates		Rates Effective						
		Current	1/1/2025	7/1/2025	7/1/2026	7/1/2027	7/1/2028	7/1/2029
Commercial Organics Service Monthly Rate (\$ per Service)								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
(1) 96 gal toter	1 X	\$13.94	\$28.88	\$43.81	\$58.75	\$73.68	\$88.62	\$103.55
(2) 96 gal toter	1 X		\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	1 X	\$145.46	\$146.28	\$157.25	\$169.04	\$181.72	\$195.35	\$207.07
2 yd bin	2 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
2 yd bin	3 X		\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
2 yd bin	4 X		\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
3 yd bin	1 X	\$218.18	\$219.42	\$235.88	\$253.57	\$272.59	\$293.03	\$310.61
3 yd bin	2 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
3 yd bin	3 X		\$658.27	\$707.64	\$760.71	\$817.76	\$879.09	\$931.84
3 yd bin	4 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	1 X	\$290.85	\$292.56	\$314.50	\$338.09	\$363.45	\$390.71	\$414.15
4 yd bin	2 X	\$581.71	\$585.13	\$629.01	\$676.19	\$726.90	\$781.42	\$828.31
4 yd bin	3 X		\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
4 yd bin	4 X		\$1,170.26	\$1,258.03	\$1,352.38	\$1,453.81	\$1,562.85	\$1,656.62
6 yd bin	1 X	\$436.27	\$438.85	\$471.76	\$507.14	\$545.18	\$586.07	\$621.23
6 yd bin	2 X	\$872.53	\$877.69	\$943.52	\$1,014.28	\$1,090.35	\$1,172.13	\$1,242.46
6 yd bin	3 X		\$1,316.54	\$1,415.28	\$1,521.43	\$1,635.54	\$1,758.21	\$1,863.70
6 yd bin	4 X		\$1,755.39	\$1,887.04	\$2,028.57	\$2,180.71	\$2,344.26	\$2,484.92
Residential Rate Derivation								
Residential Three Toter Service								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
Residential Customers	1 X	\$41.83	\$43.98	\$47.28	\$50.83	\$54.64	\$58.74	\$62.26
% Increase			5.14%	7.50%	7.51%	7.50%	7.50%	5.99%
\$ Increase			\$2.15	\$3.30	\$3.55	\$3.81	\$4.10	\$3.52
Low Income/Senior Customers	1 X	\$31.83	\$31.83	\$31.83	\$33.18	\$34.53	\$35.88	\$37.23
% Increase			0.00%	0.00%	4.24%	4.07%	3.91%	3.76%
\$ Increase			\$0.00	\$0.00	\$1.35	\$1.35	\$1.35	\$1.35
Residential Extra Service								
Size	Weekly Frequency	Current	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
Extra trash toter	1 X	\$6.81	\$10.26	\$13.71	\$17.16	\$20.61	\$24.06	\$27.51
Extra recycle toter	1 X	\$6.81	\$10.26	\$13.71	\$17.16	\$20.61	\$24.06	\$27.51
Extra green waste toter	1 X	\$6.81	\$10.26	\$13.71	\$17.16	\$20.61	\$24.06	\$27.51

¹ Phased-in rates are for 96 gallon 1x per week commercial service, all commercial recycling services and all residential extra toter services.

² Phased-in rates increase in even increments to reach targeted FY 29/30 rate.

Table 14
City of Patterson, Solid Waste Rate Study
FY 2024/25 Bill Impacts
Scenario 2: Phase-In

Bill Impacts ¹		Number of Customers	Current Rates FY 2023/24	Proposed Rates FY 2024/25	Rate Increase FY 2024/25	Rate Increase FY 2024/25
Size	Weekly Frequency	#	\$ per Month	\$ per Month	\$ per Month	% Increase
Commercial Trash Service Monthly Rate						
(1) 96 gal toter	1 X	112	\$41.87	\$52.15	\$10.28	24.55%
(2) 96 gal toter	1 X	4	\$83.73	\$104.29	\$20.56	24.55%
2 yd bin	1 X	48	\$145.46	\$146.28	\$0.82	0.56%
2 yd bin	2 X	11	\$290.85	\$292.56	\$1.71	0.59%
3 yd bin	1 X	18	\$218.18	\$219.42	\$1.24	0.57%
3 yd bin	2 X	15	\$436.27	\$438.85	\$2.58	0.59%
4 yd bin	1 X	32	\$290.85	\$292.56	\$1.71	0.59%
4 yd bin	2 X	53	\$581.71	\$585.13	\$3.42	0.59%
6 yd bin	1 X	6	\$436.27	\$438.85	\$2.58	0.59%
6 yd bin	2 X	14	\$872.53	\$877.69	\$5.16	0.59%
Commercial Recycling Service						
(1) 96 gal toter	1 X	6	\$20.95	\$34.72	\$13.77	65.71%
(2) 96 gal toter	1 X	1	\$41.87	\$69.40	\$27.53	65.76%
2 yd bin	1 X	16	\$72.74	\$95.13	\$22.39	30.78%
2 yd bin	2 X	2	\$145.46	\$190.24	\$44.78	30.79%
3 yd bin	1 X	4	\$109.10	\$142.69	\$33.59	30.78%
3 yd bin	2 X	2	\$218.18	\$285.36	\$67.18	30.79%
4 yd bin	1 X	14	\$145.46	\$190.24	\$44.78	30.79%
4 yd bin	2 X	12	\$290.85	\$380.43	\$89.58	30.80%
6 yd bin	1 X	2	\$218.18	\$285.36	\$67.18	30.79%
Commercial Organics Service						
(1) 96 gal toter	1 X	30	\$13.94	\$28.88	\$14.94	107.14%
6 yd bin	1 X	1	\$436.27	\$438.85	\$2.58	0.59%
Residential Three Toter Service						
Residential Customers	1 X	6,635	\$41.83	\$43.98	\$2.15	5.14%
Low Income/Senior Customers	1 X	56	\$31.83	\$31.83	\$0.00	0.00%
Residential Extra Service						
Extra green waste toter	1 X	20	\$6.81	\$10.26	\$3.45	50.66%

¹ Only services with customers are shown.

Table 15
City of Patterson, Solid Waste Rate Study
FY 2024/25 Bill Impacts
Scenario Comparison

Bill Impact Comparison ¹	Number of Customers	Current Rates FY 2023/24	Scenario 1: No Phase-In				Scenario 2: Phase-In		
			Proposed FY 24/25 Rates	Rate Increase FY 2024/25	Rate Increase FY 2024/25	Proposed FY 24/25 Rates	Rate Increase FY 2024/25	Rate Increase FY 2024/25	
Commercial Trash Service Monthly Rate									
<i>Size</i>	<i>Weekly Frequency</i>	<i>#</i>	<i>\$ per Month</i>	<i>\$ per Month</i>	<i>\$ per Month</i>	<i>%</i>	<i>\$ per Month</i>	<i>\$ per Month</i>	<i>%</i>
(1) 96 gal toter	1 X	112	\$41.87	\$73.14	\$31.27	74.68%	\$52.15	\$10.28	24.55%
(2) 96 gal toter	1 X	4	\$83.73	\$146.28	\$62.55	74.70%	\$104.29	\$20.56	24.55%
2 yd bin	1 X	48	\$145.46	\$146.28	\$0.82	0.56%	\$146.28	\$0.82	0.56%
2 yd bin	2 X	11	\$290.85	\$292.56	\$1.71	0.59%	\$292.56	\$1.71	0.59%
3 yd bin	1 X	18	\$218.18	\$219.42	\$1.24	0.57%	\$219.42	\$1.24	0.57%
3 yd bin	2 X	15	\$436.27	\$438.85	\$2.58	0.59%	\$438.85	\$2.58	0.59%
4 yd bin	1 X	32	\$290.85	\$292.56	\$1.71	0.59%	\$292.56	\$1.71	0.59%
4 yd bin	2 X	53	\$581.71	\$585.13	\$3.42	0.59%	\$585.13	\$3.42	0.59%
6 yd bin	1 X	6	\$436.27	\$438.85	\$2.58	0.59%	\$438.85	\$2.58	0.59%
6 yd bin	2 X	14	\$872.53	\$877.69	\$5.16	0.59%	\$877.69	\$5.16	0.59%
Commercial Recycling Service									
(1) 96 gal toter	1 X	6	\$20.95	\$73.14	\$52.19	249.12%	\$34.72	\$13.77	65.71%
(2) 96 gal toter	1 X	1	\$41.87	\$146.28	\$104.41	249.37%	\$69.40	\$27.53	65.76%
2 yd bin	1 X	16	\$72.74	\$146.28	\$73.54	101.10%	\$95.13	\$22.39	30.78%
2 yd bin	2 X	2	\$145.46	\$292.56	\$147.10	101.13%	\$190.24	\$44.78	30.79%
3 yd bin	1 X	4	\$109.10	\$235.88	\$126.78	116.21%	\$142.69	\$33.59	30.78%
3 yd bin	2 X	2	\$218.18	\$471.76	\$253.58	116.23%	\$285.36	\$67.18	30.79%
4 yd bin	1 X	14	\$145.46	\$292.56	\$147.10	101.13%	\$190.24	\$44.78	30.79%
4 yd bin	2 X	12	\$290.85	\$585.13	\$294.28	101.18%	\$380.43	\$89.58	30.80%
6 yd bin	1 X	2	\$218.18	\$438.85	\$220.67	101.14%	\$285.36	\$67.18	30.79%
Commercial Organics Service									
(1) 96 gal toter	1 X	30	\$13.94	\$73.14	\$59.20	424.68%	\$28.88	\$14.94	107.14%
6 yd bin	1 X	1	\$436.27	\$438.85	\$2.58	0.59%	\$438.85	\$2.58	0.59%
Residential Three Toter Service									
Residential Customers	1 X	6,635	\$41.83	\$43.98	\$2.15	5.14%	\$43.98	\$2.15	5.14%
Low Income/Senior Customers	1 X	56	\$31.83	\$31.83	\$0.00	0.00%	\$31.83	\$0.00	0.00%
Residential Extra Service									
Extra green waste toter	1 X	20	\$6.81	\$19.43	\$12.62	185.32%	\$10.26	\$3.45	50.66%

¹ Only services with customers are shown.

Table 16
City of Patterson, Solid Waste Rate Study
New Personnel and Equipment

Description	Division	Fiscal Year	Total Cost	Cost Inflation: Garbage Allocation	5%	5%	5%	5%	5%	5%	5%	5%	5%		
					FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34	
Administrative Assistant I/II	Public Works Admin	2026/27	\$94,021	50%			47,010	49,361	51,829	54,420	57,141	59,999	62,998	66,148	
Accounting Technician	Finance	2027/28	\$125,324	30%				37,597	39,477	41,451	43,523	45,699	47,984	50,384	
Part Time	Public Works	2027/28	\$0	50%				-	-	-	-	-	-	-	
Maintenance I C	Public Works	2027/28	\$0	50%				-	-	-	-	-	-	-	
Maintenance I C	Public Works	2027/28	\$0	50%				-	-	-	-	-	-	-	
Maintenance II C	Parks	2027/28	\$96,841	50%				48,421	50,842	53,384	56,053	58,856	61,798	64,888	
Operations Supervisor	Public Works	2027/28	\$0	40%				-	-	-	-	-	-	-	
Management Analyst	Public Works	2029/30	\$162,461	33%						53,612	56,293	59,107	62,063	65,166	
Administrative Assistant I/II	Public Works Admin	2030/31	\$114,283	50%							57,142	59,999	62,999	66,149	
Maintenance II C	Parks	2030/31	\$118,765	50%							59,382	62,351	65,469	68,742	
Management Analyst	Public Works	2032/33	\$130,938	33%									43,210	45,370	
Total Cost:						\$0	\$0	\$47,010	\$135,379	\$142,148	\$202,867	\$329,534	\$346,011	\$406,521	\$426,847
Description	Division	Fiscal Year	Total Cost	Garbage Allocation	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34	
Mini Skid Steer	Urban Forestry	2024/25	\$55,000	50%	27,500										
Equipment Trailer	Urban Forestry	2024/25	\$10,000	50%	5,000										
Stump Grinder	Urban Forestry	2025/26	\$84,460	50%		42,230									
10 YD Dump	Garbage	2028/29	\$601,000	50%					300,500						
Gas Street Sweeper	Streets	2027/28	\$0	40%											
Electric Street Sweeper	Streets	2027/28	\$0	40%											
Utility Truck	Urban Forestry	2031/32	\$100,000	50%								50,000			
Utility Truck	Urban Forestry	2032/33	\$100,000	100%									100,000		
Utility Truck	Urban Forestry	2033/34	\$100,000	50%										50,000	
Total Cost:					\$32,500	\$42,230	\$0	\$0	\$300,500	\$0	\$0	\$50,000	\$100,000	\$50,000	