



TOWN OF LAKE PARK

Solid Waste Rate Study

FINAL REPORT / JUNE 2023

June 12, 2023

Mr. Roberto F. Travieso, MPA
Director, Public Works Department
Town of Lake Park
640 Old Dixie Highway
Lake Park, FL 33403

Subject: **Solid Waste Rate Study**

Dear Mr. Travieso:

Raftelis Financial Consultant's, Inc. (Raftelis) has completed its study to evaluate the adequacy of the solid waste management system's (System) utility rates for the Town of Lake Park, Florida (Town), and has summarized the results in this report for your consideration. The solid waste utility rates are collected annually through a non-ad valorem special assessment for residential customers and through the Town's monthly utility billing process for nonresidential customers. This report summarizes the financial forecast and proposed annual assessments for the six- (6) year period ending September 30, 2028 (Study Period).

To develop the financial forecast and proposed solid waste rates, we have relied upon certain information and data collected from the Town including the Town's annual financial reports; the adopted Fiscal Year 2023 operating budget; estimated capital expenditures and vehicle replacement plan; customer statistics; periodic reports; records of operation; and other information and data provided by the Town. To the extent we have performed our analyses using certain data and information obtained from the Town and others in the preparation of this report, we have relied upon such information to be accurate, and no assurances are intended, and no representation or warranties are made with respect thereto or the use made herein.

Introduction

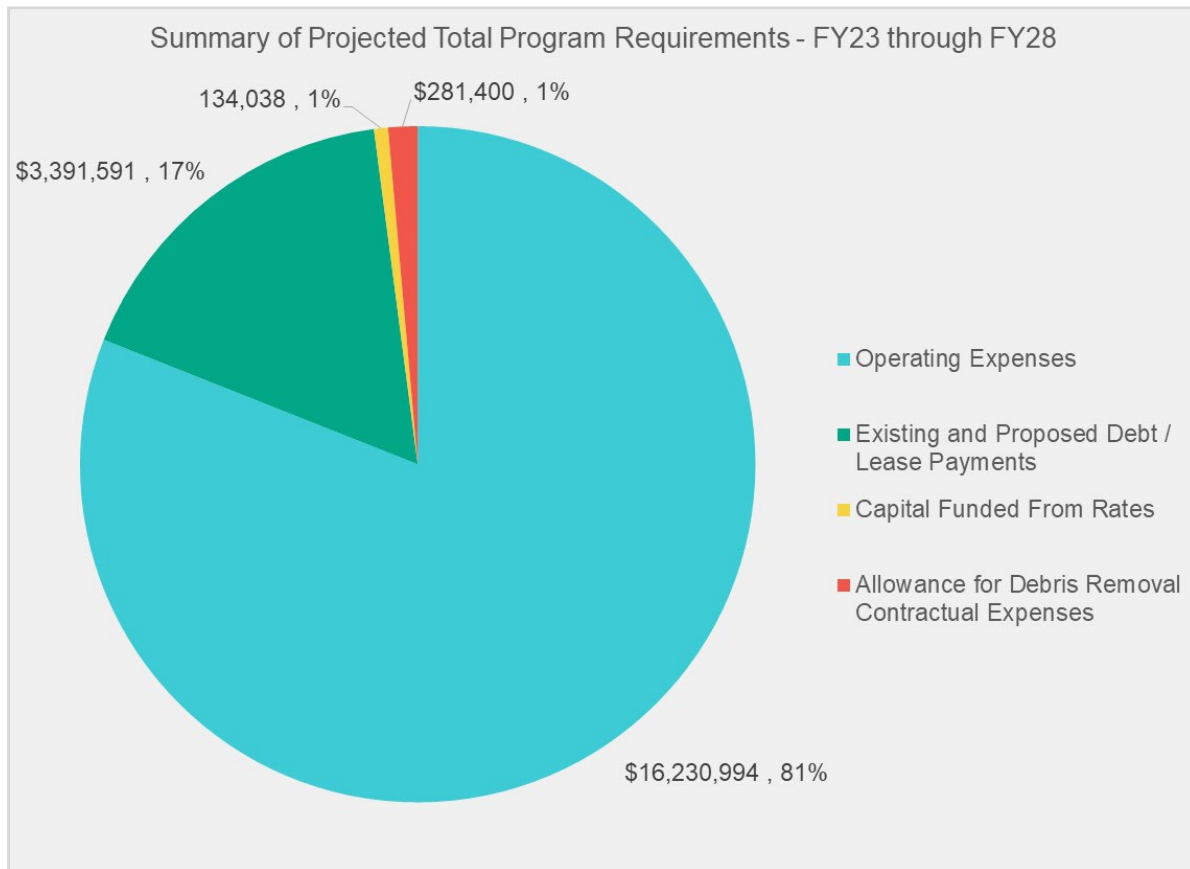
The Town's solid waste utility collects solid waste and recycling from residential and commercial properties, providing cart and dumpster service of varying sizes and frequencies on a weekly basis. Roll-off disposal services are provided as well through franchise agreements with three haulers. The utility's services assist in the protection of the environment and serve as the first line of defense for the health of the community. During fiscal years 2021 and 2022 the Town collected approximately 30.6 million pounds of garbage, 8.9 million bounds of bulk trash and vegetation debris, and 2.3 million pounds of recyclable materials. The waste that is collected is transported to the Palm Beach County Solid Waste Authority's (SWA) North county Transfer Station. Solid waste is then incinerated to generate electricity while recyclable materials are sorted, packaged and commercialized. The utility has nine fulltime employees and a fleet of 10 collection trucks that provide service to the Town's residential and commercial customers. In addition to its collection services, the utility also provides a variety of education opportunities during regular public outreach events. The Town also partners with national, regional, and local public/private organizations for continuous process improvement.

The Town’s solid waste system is established as a self-supporting enterprise fund with separate accounting from other departments and resources. The Town has historically used operating reserves to cover actual expenses that exceeded the budgeted amounts while phasing in rate adjustments over time as follows:

Historical Sanitation Annual Assessment - Residential

Assessment Year	Single-Family and Multi-family <5	Multi-Family >4
2018-2019	\$215.49	\$145.93
2019-2020	\$234.88	\$159.06
2020-2021	\$234.88	\$159.06
2021-2022	\$246.62	\$167.01
2022-2023	\$258.37	\$174.97

Based on information provided by Town staff, the total projected program requirements during the Study Period exceeds \$20.0 million as summarized below:



As shown above, the program requirements include operating expenses, capital lease payments to replace existing solid waste trucks, purchases for minor equipment, and allowances to establish and create cash reserve

funds to address unforeseen contingencies and natural disasters. There are several primary cost drivers that have had a significant impact on System costs:

- Current operating deficiency
 - FY23 operating expenses exceed current revenues by approximately \$250,000 (12% of existing rates)
- High costs, frequency, and severity of mechanical repairs
 - Replacement of major components due to aging fleet
 - Emergency contract operations / limited providers and high cost during service interruptions
 - Urgent and specialized repair needs have sole source providers with little competition
- Compensation and Recruitment:
 - Highly competitive labor market
 - Sanitation Truck Operator positions vacant 12+ months
 - Recommended changes to operating salaries and associated benefits
- Competition: long lead times for materials, supplies, equipment, and vehicles
 - Inflationary increases on all business expenditures

The solid waste utility has nearly exhausted its reserve funds, and therefore cannot continue to operate without a balanced budget that meets the annual expenditure requirements. On January 18, 2023, the Town Commission engaged Raftelis to prepare a solid waste utility rate analysis. The goal of this study is to assist the Town in establishing solid waste rates that are sufficient to recover the cost of operating, maintaining, repairing, and financing the System. In order to achieve this goal, certain criteria were established in conjunction with the Town staff that served as guidelines for developing the proposed solid waste rates. The criteria established included: i) proposed rates should fund operations, maintenance, and vehicle replacement needs; ii) rate increases should be phased-in over time to the extent possible; and iii) the Town Commission should consider adopting a reserve policy for the System to provide adequate working capital reserves equal to not less than 90 days of annual expenditures as well as funding an emergency debris removal fund.

As outlined in this report, solid waste rates are proposed to be adjusted so that the revenues derived from such rates will support the revenue requirements of the System on a stand-alone basis without any contributions from the Town's General Fund. The proposed rate adjustment is higher in the first year than the subsequent years due to the current year's operating deficiency, projected increasing operating costs, increasing lease payments, and the need for additional working capital. The solid waste rate revenues have been specifically pledged to pay operating costs, existing lease payments, and to provide a source of funding for current and future vehicle replacements. Based on the projected financial results summarized herein, the study shows that by implementing a series of annual rate increases over the next five years, the Town can stabilize its operating budget while providing a source of additional funding to make significant capital improvements to the System.

The recommendations of this study are based on a financial forecast developed for the System. The financial forecast starts with a projection of customers and revenues, proceeds next with identification of utility operating

and capital/vehicle replacement needs, evaluates the availability and proposed use of existing operating reserves, and, finally, establishes the timing of rate adjustments. The basis for the study's recommendations is a financial forecast developed for Fiscal Years 2023 through 2028 (previously defined as the Study Period).

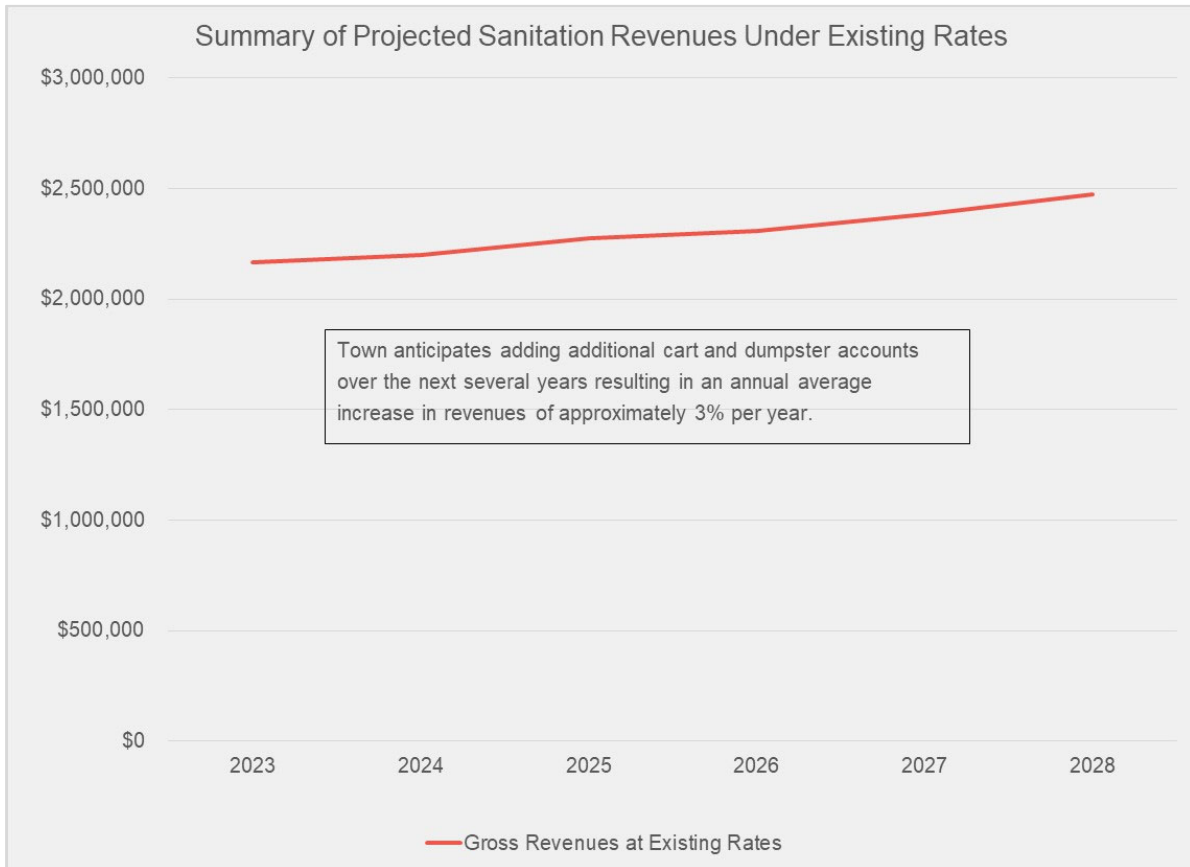
Projected Revenues

During Fiscal Year 2023, it is estimated that the Town serves an average of approximately 2,100 solid waste accounts representing approximately 2,700 carts and dumpsters. The Town collects the solid waste utility rates and charges through an annual non-ad valorem special assessment for residential customers and through monthly charges for commercial dumpster customers. The current revenues are approximately \$2.1 million per year after considering that most residential property owners take advantage of the 4.0% early payment discount. In January 2023 the Town Commission adopted an ordinance that moves multi-family dumpster accounts to the standard dumpster rates. The projected revenues were prepared based on the adopted service classifications.

Town staff has identified several construction projects within the community that will place additional demands on the solid waste utility system. The Town's Community Development Department provided a preliminary list of property developments occurring over the Study Period. As shown in Table 1 on Page 14 of the Report, the Town anticipates residential growth to continue at approximately 1% per year while commercial units are estimated to increase by approximately 1.6% per year during the Study Period. The overall impacts to projected rate revenues are about a 3% increase in revenues at existing rates per year. Specific construction projects include, but are not limited to, Congress Warehouse, Nautilus 220, and Silver Beach Industrial Park.

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Based on the projected units anticipated to be served over the Study Period, Table 2 on Page 21 of the Report provides an estimate of projected revenues based on the current solid waste rates. The following chart summarizes the projected revenues for the Study Period:



Projected Solid Waste Program Revenue Requirements

The various components of cost associated with operating and maintaining a municipally owned solid waste utility system, as well as the cost of funding the renewal and replacement of associated facilities and capital improvements for additions and upgrades, are generally referred to as the utility cash revenue requirements. The sum of these cost components, after adjusting for other income and other operating revenues available to the utility, represents the net revenue requirements of the utility system. The revenue requirements for the Study Period were based on an estimate of solid waste utility costs for the current budget year, plus the five- (5) fiscal year period ending September 30, 2028. The projected revenue requirements include the various generalized cost components described below:

- Operating Expenses:** These expenses include the cost of labor and personnel related costs, disposal costs, vehicle maintenance and repairs, utilities, operating supplies, fuel, container replacements, and other items necessary for the operation and maintenance of the System.

- **Other Revenue Requirements:** This component of cost includes, in general, any recurring capital improvements to be funded from revenues such as vehicle lease payments, minor equipment replacement, and funding of contingency reserves for emergency debris removal.

Principal Assumptions and Considerations

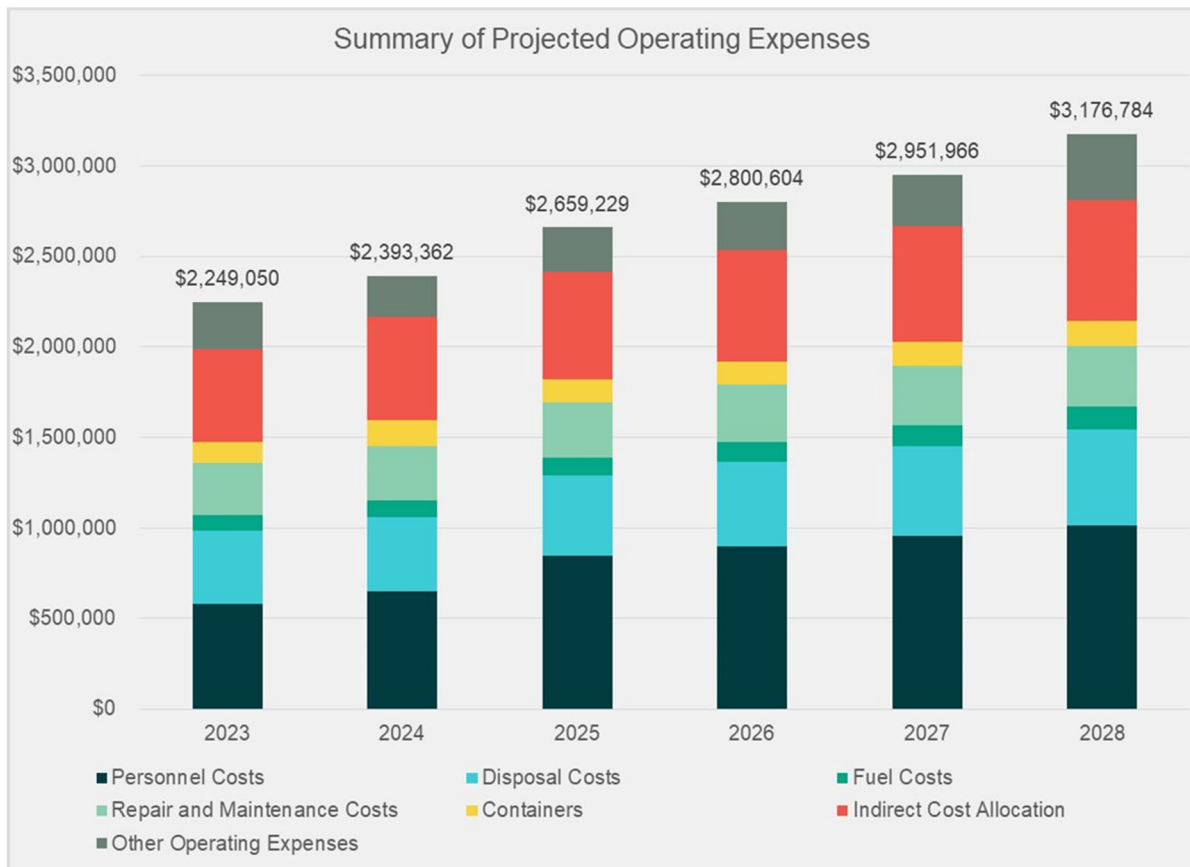
The projected cash revenue requirements, as summarized at the end of this section, reflect certain assumptions, considerations, and analyses. The principal assumptions, considerations, and analyses that are included in the development of the projected System revenue requirements for the Study Period are as follows:

1. The adopted Fiscal Year 2023 budget associated with the operations of the System was used as the basis for the expenditure projections set forth herein. Unless otherwise noted, the underlying assumptions and expenditure amounts included therein are assumed to be reasonable and reflect anticipated operations. Such budgetary amounts are incorporated into the revenue requirement component of the study, except for adjustments and assumptions as noted hereunder.
2. Projected revenues from current solid waste rates are based on the schedule of rates currently in effect as of the date of this report, which became effective on October 1, 2022. Such rates were applied to the customer and units forecast previously discussed in this report and shown in Table 1 on Page 14 of the Report. Table 2 on Page 21 of the Report also summarizes the projected rate revenue under existing rates for the Study Period. Annual rate revenues under existing rates are projected to be approximately \$2.1 million increasing to \$2.5 million by 2028 as customer growth comes online.
3. The operations and maintenance expenses of the System budgeted for Fiscal Years 2023 are summarized in Table 3 on Page 22 of the Report. The amounts for Fiscal Year 2023 are then projected for the remaining five (5) years of the Study Period (i.e., through Fiscal Year 2028) as shown in Table 4 on Page 24 of the Report. The projected operating costs are based on certain inflation assumptions and other adjustments provided by Town staff for the Study Period. The adjustment factors and disposal expense allowances are identified in Tables 5 and 6 on Pages 27 through 28 of the Report, respectively, which were used to estimate the annual expenses summarized in Table 4 on Page 24 of the Report. The projected operating expenses were developed for the Study Period as follows:
 - a. An adjustment was made to budgeted disposal costs based on an estimated increase in tonnage for 2023 of approximately \$92,000.
 - b. An adjustment for operating and revenue contingencies was also made for approximately \$27,000 in 2023.
 - c. To improve solid waste collection service and increase code enforcement/compliance, Town staff proposes to hire one (1) additional Sanitation Truck Operator II during Fiscal Year 2025 at an estimated annual cost of approximately \$70,000 per year and one (1) new Solid Waste Code Officer during Fiscal Year 2025 at \$87,000 per year.

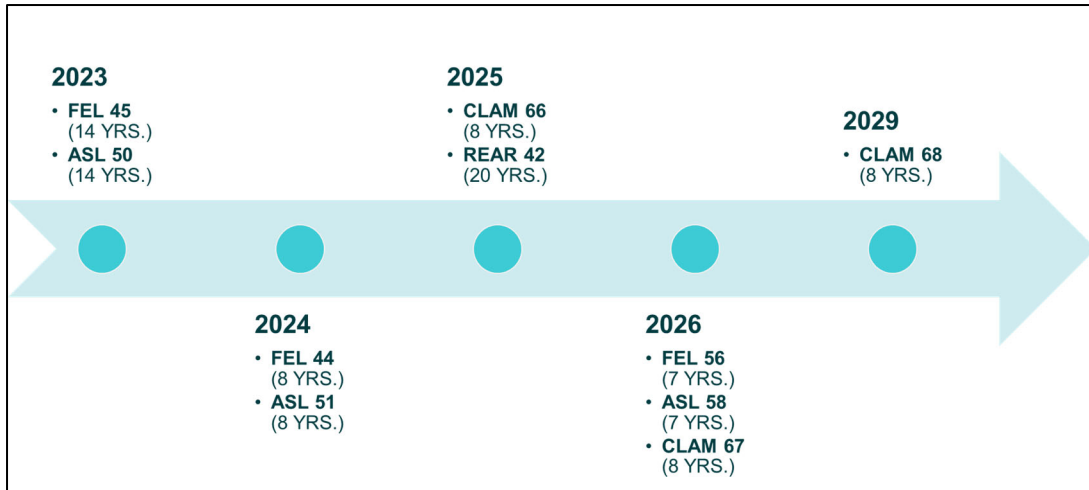
d. Expenses beyond Fiscal Year 2023 were increased based on estimated inflationary adjustments as follows:

- Labor: 11% (Fiscal Year 24); then 4% per year
- Health and Liability Insurance: 15% per year
- Fuel and Utilities: 5% per year
- General Inflation: 3% per year

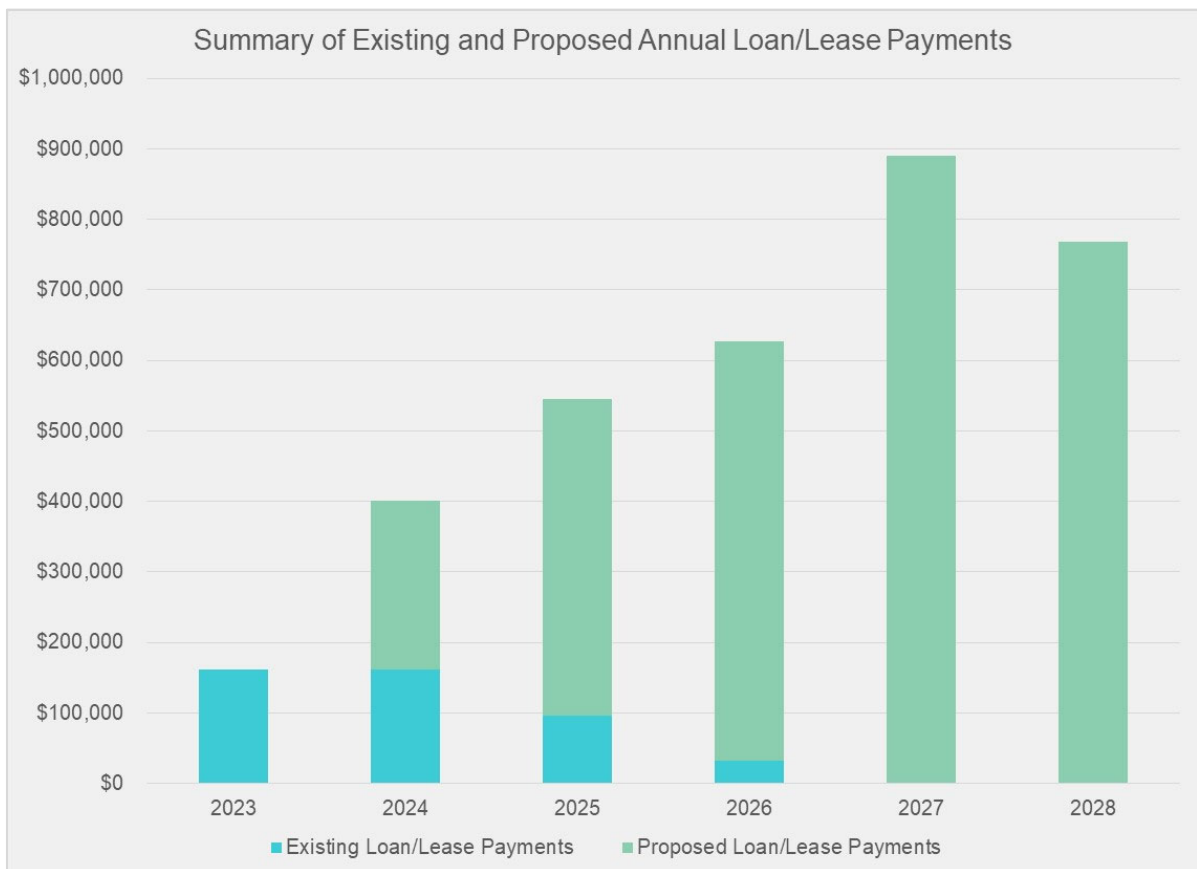
The following chart summarizes the projected operating expenses as follows:



4. The Town has decided to prioritize its vehicle replacement program in order to provide a more reliable service and reduce its repair and maintenance related operating costs. The total vehicle replacement / capital program is projected to be approximately \$4.0 million over the Study Period as shown on Table 7 on Page 29 of the Report. This program includes \$3.9 million for the replacement of 10 trucks including 3 front end loaders, 3 side loaders, 3 grapple trucks, and 1 rear loader truck. Other capital outlay for minor equipment and machinery is also included at \$0.1 million. The vehicle replacement schedule and ages of the vehicles being replaced is shown below.

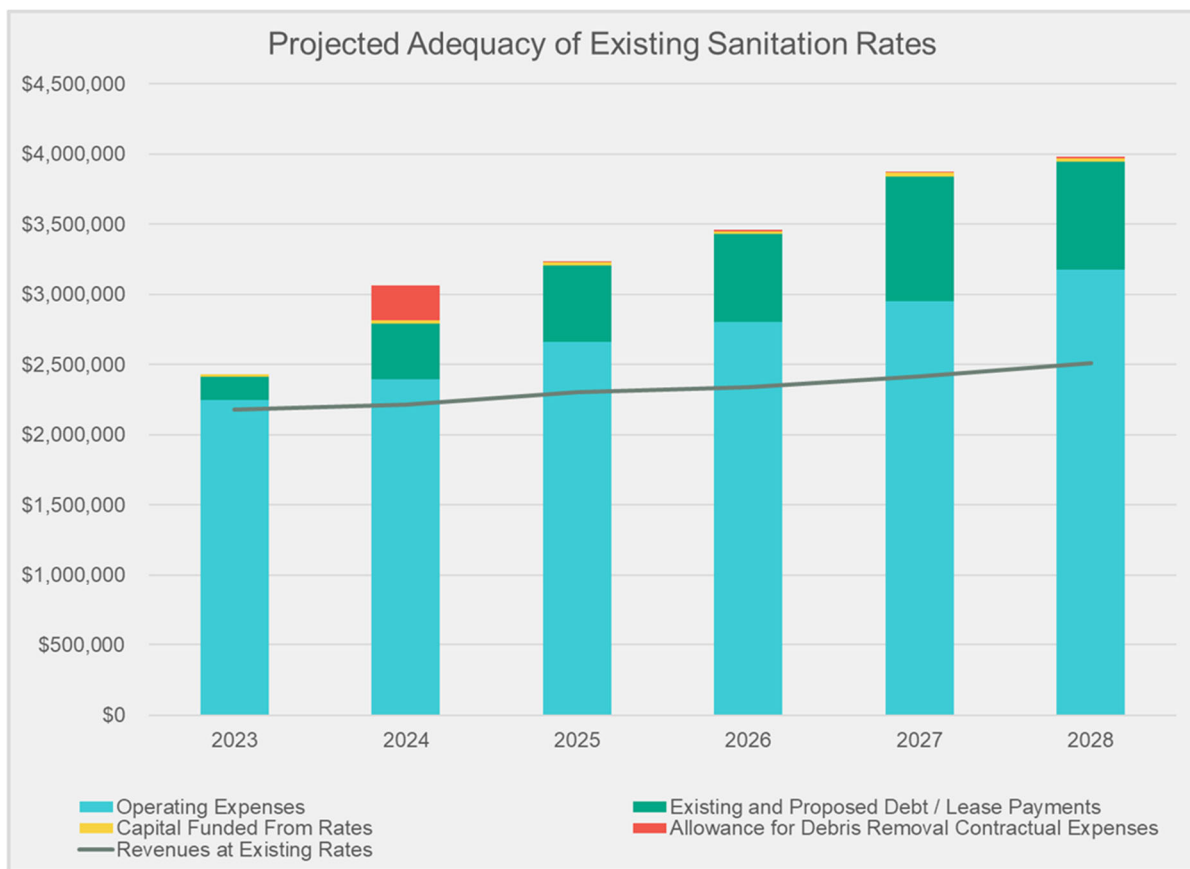


5. As of the date of this report, the System has two existing capital leases and one loan payable to the general fund outstanding. The annual payments are approximately \$161,000 per year, which end in Fiscal Year 2026. Additionally, the Town anticipates additional lease payments associated with the funding of the vehicle replacement program. Payments on these proposed leases are anticipated to begin at approximately \$239,000 in 2024 and increase to \$768,000 in 2028. The proposed leases are assumed to all have 4-year payback terms with interest rates between 5.99% - 6.75% per year. A projection of the total annual lease payments is shown below and also on Table 8 on Page 31 of the Report.



6. Based on discussions with Town Staff an allowance account for emergency contractual debris removal services associated with storm events is to be established. A transfer of \$250,000 in 2024 is the initial deposit with subsequent annual deposits of about \$8,000 per year to keep pace with inflation.
7. A minimum balance in unrestricted operating reserves of 60 days of annual expenditures is the proposed target balance for 2024. Additional deposits to the operating fund are anticipated over the Study Period to increase the balance to at least 90 days of reserves. A projection of ending reserve balances can be found of Table 9 on Page 32 of the Report.

Table 10 on Page 33 of the Report provides a summary of the projected net cash flows of the System for the Study Period. Based upon the assumptions used to prepare the System’s financial forecast regarding operating expenses and capital requirements, the projected net revenue requirements of the System when compared to revenues under existing rates are summarized as follows:



As can be seen in the above summary, and in Table 10 on Page 33 of the Report, the projected revenue deficiency is estimated to be approximately \$250,000 in Fiscal Year 2024, which may increase to \$1.6 million by Fiscal Year 2028.

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Existing and Proposed Rates

The Town currently charges \$258.37 per month per residential cart account and \$11.31 per cubic yard (per pickup per week) of solid waste volume for all properties utilizing dumpsters. To meet the solid waste utility program requirements identified for the Study Period, the following assessments and monthly rates are proposed:

Proposed Solid Waste Rates

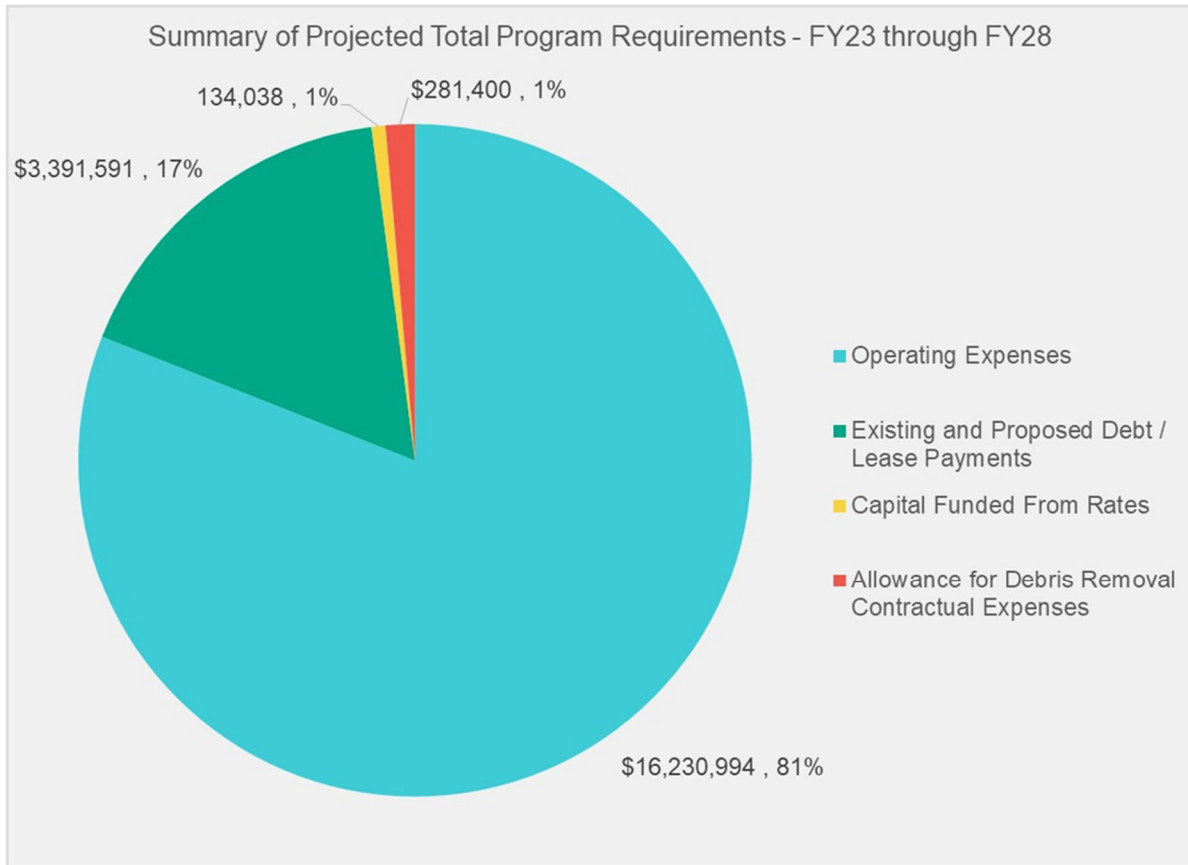
Description	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Funds Total Program					
Percent Rate Increase	48%	3%	3%	3%	3%
Proposed Annual Charge per Cart (Current Fee: \$258.37)	<u>\$382.39</u>	<u>\$393.86</u>	<u>\$405.68</u>	<u>\$417.85</u>	<u>\$430.38</u>
Proposed charge per Cubic Yard per pickup/week (Current Fee: \$11.31)	<u>\$16.74</u>	<u>\$17.24</u>	<u>\$17.76</u>	<u>\$18.29</u>	<u>\$18.84</u>

As shown above, this study recommends that a series of adjustments be made to the annual assessment and monthly rates. A full detailed listing of the Town’s existing and proposed rates can be found on Table 11 on Page 34 of the Report. Key benefits of the proposed rate plan include the following:

- Utility becomes self-sufficient through Fiscal Year 2028
- Utility can fund the prioritized vehicle replacement program
- Builds reserves over time (operating and debris removal funds)

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If the proposed assessments and monthly rates are approved and implemented over the Study Period, by Fiscal Year 2028, the proposed fees are estimated to fund the following expenditures:



Conclusions and Recommendations

Based on our studies, assumptions, considerations, and analyses as summarized herein, we are of the opinion that:

1. The solid waste utility should operate as a self-supporting enterprise fund with separate accounting from other Town departments.
 - a. The Town has consistently used operating reserves to cover actual expenses, but those reserves have been nearly exhausted.
2. The existing rates are not adequate to cover the current operations.
 - a. Additional adjustments are also needed to adequately fund the projected operating expenditures and planned vehicle replacement program.
3. The Town Commission should consider adopting a reserve policy for the solid waste utility to provide working capital and to help address unforeseen contingencies.

- a. Adopting a reserve policy of 90 days of annual expenditures for the solid waste utility to be achieved by fiscal year 2026 is recommended.
 - b. A separate contingency fund of \$250,000 for emergency debris removal should also be established.
4. On or about January 18, 2023, the Town Commission adopted an ordinance that moves the multi-family dumpster accounts to the standard dumpster rates.
- a. The projected financial results were prepared based on the adopted service classifications.
 - b. The Town Commission should consider adopting the proposed non-ad valorem assessment and monthly utility billing schedule for Fiscal Years 2024 through 2028 as outlined in this study.
5. This study should be updated within five (5) years.

We appreciate the opportunity to be of service to the Town and would like to thank the Town's staff for their assistance and cooperation during the course of this study.

Respectfully submitted,

RAFTELIS FINANCIAL CONSULTANTS, INC.



Murray M. Hamilton, Jr.
Vice President



Shawn A. Ocasio
Manager

SAO/dlc
Attachments

List of Tables

Table	Description	Page
1	Detailed Service Requirements and Projection of Rate Revenues	14
2	Projected Operating and Miscellaneous Revenue at Existing Rates	21
3	Fiscal Year 2023 Solid Waste Utility Operating Budget	22
4	Projection of Operating Expenses - Fiscal Years 2023 - 2028.....	24
5	Summary of Operating Expense Escalation Factors.....	27
6	Projection of Annual Disposal Fees	28
7	Capital Funding Program	29
8	Summary of Existing Lease and Debt Service Payments	31
9	Projected Fund Balances and Interest Earnings	32
10	Projected Solid Waste Utility Revenue Requirements	33
11	Summary of Existing and Proposed Rates.....	34

Table 1
Town of Lake Park
Solid Waste Rate Study

Detailed Service Requirements and Development of Rate Revenues

Line No.	Description	Projected Fiscal Year Ending September 30,					
		2023	2024	2025	2026	2027	2028
<u>8 Cubic Yard Container - 3 Pick Ups</u>							
80	Annual Growth	N/A	0	0	0	0	0
81	Annual Units	1	1	1	1	1	1
82	Estimated Maximum Trips	156	156	156	156	156	156
83	Estimated Maximum Cubic Yardage	1,248	1,248	1,248	1,248	1,248	1,248
84	Monthly Charge per Unit	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24
85	Annual Revenues	\$14,115	\$14,115	\$14,115	\$14,115	\$14,115	\$14,115
86	Total Multifamily Dumpster Service	\$445,795	\$445,795	\$445,795	\$445,795	\$445,795	\$445,795
<u>Commercial Dumpster Service</u>							
<u>0.5 Cubic Yard Container - 2 Pick Ups</u>							
87	Annual Growth	N/A	0	0	0	0	0
88	Annual Units	64	64	64	64	64	64
89	Estimated Maximum Trips	6,656	6,656	6,656	6,656	6,656	6,656
90	Estimated Maximum Cubic Yardage	3,328	3,328	3,328	3,328	3,328	3,328
91	Monthly Charge per Unit	\$49.01	\$49.01	\$49.01	\$49.01	\$49.01	\$49.01
92	Annual Revenues	\$37,640	\$37,640	\$37,640	\$37,640	\$37,640	\$37,640
<u>2 Cubic Yard Container - 1 Pick Ups</u>							
93	Annual Growth	N/A	1	0	0	0	0
94	Annual Units	70	71	71	71	71	71
95	Estimated Maximum Trips	3,640	3,692	3,692	3,692	3,692	3,692
96	Estimated Maximum Cubic Yardage	7,280	7,384	7,384	7,384	7,384	7,384
97	Monthly Charge per Unit	\$98.02	\$98.02	\$98.02	\$98.02	\$98.02	\$98.02
98	Annual Revenues	\$82,337	\$83,513	\$83,513	\$83,513	\$83,513	\$83,513
<u>2 Cubic Yard Container - 2 Pick Ups</u>							
99	Annual Growth	N/A	0	0	0	0	0
100	Annual Units	10	10	10	10	10	10
101	Estimated Maximum Trips	1,040	1,040	1,040	1,040	1,040	1,040
102	Estimated Maximum Cubic Yardage	2,080	2,080	2,080	2,080	2,080	2,080
103	Monthly Charge per Unit	\$196.04	\$196.04	\$196.04	\$196.04	\$196.04	\$196.04
104	Annual Revenues	\$23,525	\$23,525	\$23,525	\$23,525	\$23,525	\$23,525
<u>2 Cubic Yard Container - 3 Pick Ups</u>							
105	Annual Growth	N/A	0	0	0	0	0
106	Annual Units	1	1	1	1	1	1
107	Estimated Maximum Trips	156	156	156	156	156	156
108	Estimated Maximum Cubic Yardage	312	312	312	312	312	312
109	Monthly Charge per Unit	\$294.06	\$294.06	\$294.06	\$294.06	\$294.06	\$294.06
110	Annual Revenues	\$3,529	\$3,529	\$3,529	\$3,529	\$3,529	\$3,529
<u>2 Cubic Yard Container - 4 Pick Ups</u>							
111	Annual Growth	N/A	0	0	0	0	0
112	Annual Units	0	0	0	0	0	0
113	Estimated Maximum Trips	0	0	0	0	0	0
114	Estimated Maximum Cubic Yardage	0	0	0	0	0	0
115	Monthly Charge per Unit	\$392.08	\$392.08	\$392.08	\$392.08	\$392.08	\$392.08
116	Annual Revenues	\$0	\$0	\$0	\$0	\$0	\$0

Table 1
Town of Lake Park
Solid Waste Rate Study

Detailed Service Requirements and Development of Rate Revenues

Line No.	Description	Projected Fiscal Year Ending September 30,					
		2023	2024	2025	2026	2027	2028
<u>6 Cubic Yard Container - 4 Pick Ups</u>							
201	Annual Growth	N/A	0	0	0	0	0
202	Annual Units	0	0	0	0	0	0
203	Estimated Maximum Trips	0	0	0	0	0	0
204	Estimated Maximum Cubic Yardage	0	0	0	0	0	0
205	Monthly Charge per Unit	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24
206	Annual Revenues	\$0	\$0	\$0	\$0	\$0	\$0
<u>6 Cubic Yard Container - 5 Pick Ups</u>							
207	Annual Growth	N/A	0	0	0	0	0
208	Annual Units	1	1	1	1	1	1
209	Estimated Maximum Trips	260	260	260	260	260	260
210	Estimated Maximum Cubic Yardage	1,560	1,560	1,560	1,560	1,560	1,560
211	Monthly Charge per Unit	\$1,470.30	\$1,470.30	\$1,470.30	\$1,470.30	\$1,470.30	\$1,470.30
212	Annual Revenues	\$17,644	\$17,644	\$17,644	\$17,644	\$17,644	\$17,644
<u>8 Cubic Yard Container - 1 Pick Ups</u>							
213	Annual Growth	N/A	0	0	0	0	0
214	Annual Units	11	11	11	11	11	11
215	Estimated Maximum Trips	572	572	572	572	572	572
216	Estimated Maximum Cubic Yardage	4,576	4,576	4,576	4,576	4,576	4,576
217	Monthly Charge per Unit	\$392.08	\$392.08	\$392.08	\$392.08	\$392.08	\$392.08
218	Annual Revenues	\$51,755	\$51,755	\$51,755	\$51,755	\$51,755	\$51,755
<u>8 Cubic Yard Container - 2 Pick Ups</u>							
219	Annual Growth	N/A	0	0	0	0	0
220	Annual Units	28	28	28	28	28	28
221	Estimated Maximum Trips	2,912	2,912	2,912	2,912	2,912	2,912
222	Estimated Maximum Cubic Yardage	23,296	23,296	23,296	23,296	23,296	23,296
223	Monthly Charge per Unit	\$784.16	\$784.16	\$784.16	\$784.16	\$784.16	\$784.16
224	Annual Revenues	\$263,478	\$263,478	\$263,478	\$263,478	\$263,478	\$263,478
<u>8 Cubic Yard Container - 3 Pick Ups</u>							
225	Annual Growth	N/A	0	0	0	0	0
226	Annual Units	4	4	4	4	4	4
227	Estimated Maximum Trips	624	624	624	624	624	624
228	Estimated Maximum Cubic Yardage	4,992	4,992	4,992	4,992	4,992	4,992
229	Monthly Charge per Unit	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24	\$1,176.24
230	Annual Revenues	\$56,460	\$56,460	\$56,460	\$56,460	\$56,460	\$56,460
<u>8 Cubic Yard Container - 4 Pick Ups</u>							
231	Annual Growth	N/A	0	0	0	0	0
232	Annual Units	1	1	1	1	1	1
233	Estimated Maximum Trips	208	208	208	208	208	208
234	Estimated Maximum Cubic Yardage	1,664	1,664	1,664	1,664	1,664	1,664
235	Monthly Charge per Unit	\$1,568.32	\$1,568.32	\$1,568.32	\$1,568.32	\$1,568.32	\$1,568.32
236	Annual Revenues	\$18,820	\$18,820	\$18,820	\$18,820	\$18,820	\$18,820
<u>8 Cubic Yard Container - 5 Pick Ups</u>							
237	Annual Growth	N/A	1	0	1	0	0
238	Annual Units	2	3	3	4	4	4
239	Estimated Maximum Trips	520	780	780	1,040	1,040	1,040
240	Estimated Maximum Cubic Yardage	4,160	6,240	6,240	8,320	8,320	8,320
241	Monthly Charge per Unit	\$1,960.40	\$1,960.40	\$1,960.40	\$1,960.40	\$1,960.40	\$1,960.40
242	Annual Revenues	\$47,050	\$70,574	\$70,574	\$94,099	\$94,099	\$94,099

Table 1
Town of Lake Park
Solid Waste Rate Study

Detailed Service Requirements and Development of Rate Revenues

Line No.	Description	Projected Fiscal Year Ending September 30,					
		2023	2024	2025	2026	2027	2028
243	Total Commercial Dumpster Service	\$1,134,483	\$1,159,185	\$1,229,759	\$1,253,284	\$1,323,858	\$1,408,547
244	4.0 % Discount for Residential Prepayments	(\$23,687)	(\$23,915)	(\$24,163)	(\$24,411)	(\$24,659)	(\$24,907)
245	Total Revenues	<u>\$2,148,775</u>	<u>\$2,178,933</u>	<u>\$2,255,460</u>	<u>\$2,284,938</u>	<u>\$2,361,465</u>	<u>\$2,452,107</u>

**Table 2
Town of Lake Park
Solid Waste Rate Study**

Projected Operating and Miscellaneous Revenue at Existing Rates

Line No.	Description	General Ledger Account Number	Historical Fiscal Year Ended September 30,			Budgeted 2023 [1]	Adjustments	Adjusted 2023	Escalation Reference [2]	Projected Fiscal Year Ending September 30,				
			2020	2021	2022					2024	2025	2026	2027	2028
SYSTEM REVENUES														
Charges for Service														
1	Commercial Assessment - SWA	404-343.410	\$84,263	\$89,628	\$89,251	\$0	\$0	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0
2	Commercial User Fees - TLP	404-343.420	840,264	932,889	934,716	1,117,400	17,083	1,134,483	Calculated	1,604,979	1,675,554	1,699,079	1,769,653	1,854,342
3	Residential Assessments - SWA	404-343.500	798,898	848,818	845,787	990,000	(39,600)	950,400	Calculated	573,953	579,906	585,859	591,812	597,765
4	Residential User Fees - TLP	404-343.510	4,632	10,996	(861)	5,000	0	5,000	Constant	5,000	5,000	5,000	5,000	5,000
5	Recycling Income	404-343.610	127	0	4,662	2,000	0	2,000	Constant	2,000	2,000	2,000	2,000	2,000
6	Total Charges for Service		\$1,728,183	\$1,882,331	\$1,873,555	\$2,114,400	(\$22,517)	\$2,091,883		\$2,185,933	\$2,262,460	\$2,291,938	\$2,368,465	\$2,459,107
Other Revenues														
7	Delinquent Refuse Assessments	404-311.120	\$671	\$124	\$0	\$0	\$0	\$0	Constant	\$0	\$0	\$0	\$0	\$0
8	FEMA/State Hurricane Relief	404-331.500	3,461	0	0	0	0	0	Eliminate	0	0	0	0	0
9	Cares Act Covid Relief	404-331.560	34,935	0	0	0	0	0	Eliminate	0	0	0	0	0
10	Service Charge - Dishonored Checks	404-349.100	0	0	0	0	81	81	Eliminate	0	0	0	0	0
11	Penalties	404-354.100	8,910	21,390	17,175	14,000	0	14,000	Constant	14,000	14,000	14,000	14,000	14,000
12	Interest Earnings [3]	404-361.100	3,973	504	2,690	0	0	0	Constant	0	0	0	0	0
13	Interest Tax Collector [3]	404-361.110	175	57	0	0	0	0	Constant	0	0	0	0	0
14	Sale of Surplus Property	404-364.100	35,735	0	6,477	0	56,543	56,543	Eliminate	0	0	0	0	0
15	Miscellaneous Revenue	404-369.100	1,287	698	79	0	3,616	3,616	Eliminate	0	0	0	0	0
16	Container Proceeds	404-369.200	0	0	1,471	0	0	0	Constant	0	0	0	0	0
17	Locking Device Proceeds	404-369.300	715	455	195	500	0	500	Constant	500	500	500	500	500
18	Service Reinstatement Fees	404-369.400	0	0	100	0	100	100	Eliminate	0	0	0	0	0
19	Transfer from General Fund	404-399.100	0	108,000	0	0	0	0	Eliminate	0	0	0	0	0
20	Balance Brought Forward [4]	404-399.999	0	0	0	317,993	(317,993)	0	Eliminate	0	0	0	0	0
21	Total Other Sources		\$89,863	\$131,227	\$28,187	\$332,493	(\$257,653)	\$74,840		\$14,500	\$14,500	\$14,500	\$14,500	\$14,500
22	TOTAL SYSTEM REVENUES		\$1,818,047	\$2,013,558	\$1,901,742	\$2,446,893	(\$280,169)	\$2,166,724		\$2,200,433	\$2,276,960	\$2,306,438	\$2,382,965	\$2,473,607

Footnotes:

- [1] Based on budgeted figures for the Fiscal Year 2023 revised Budget. FY23 amounts exclude any rate increase or index that was assumed in the budget.
- [2] Escalation factors and attributes derived from Table 5.
- [3] Interest earnings, if any, was removed from this schedule which is then calculated in Table 9 based on the annual average balance of each fund.
- [4] Transfers from Retained Earnings reflect the amount of annual expenditures in excess of revenues for each Fiscal Year. Such amounts, if any, are calculated in Table 10.

Table 3
Town of Lake Park
Solid Waste Rate Study

Fiscal Year 2023 Sanitation Operating Budget

Line No.	Description	General Ledger Account Number	Budget [1] 2023	Adjustments	Adjusted 2023
<u>Personal Services</u>					
1	Regular Salaries	404-53-534-404-12000	\$347,047	\$0	\$347,047
2	Overtime Salaries	404-53-534-404-14000	18,000	0	18,000
3	Special Pay	404-53-534-404-15000	3,000	0	3,000
4	FICA	404-53-534-404-21000	31,739	0	31,739
5	Retirement	404-53-534-404-22000	25,877	0	25,877
6	Town Retirement Matching	404-53-534-404-22100	9,172	0	9,172
7	Health Insurance	404-53-534-404-23100	114,211	0	114,211
8	Insurance - Dental	404-53-534-404-23200	3,654	0	3,654
9	Insurance - Life	404-53-534-404-23300	1,041	0	1,041
10	Insurance - Vision	404-53-534-404-23400	495	0	495
11	Disability	404-53-534-404-23500	3,778	0	3,778
12	Worker's Compensation Insurance	404-53-534-404-24000	21,129	0	21,129
13	Total Personal Services		\$579,143	\$0	\$579,143
<u>Operating Expenses</u>					
14	Professional Services	404-53-534-404-31000	\$60,734	\$0	\$60,734
15	Contractual Services	404-53-534-404-34000	44,902	0	44,902
16	Disposal Fees - Garbage	404-53-534-404-34310	315,000	92,400	407,400
17	Travel & Training	404-53-534-404-40000	1,000	0	1,000
18	Telephone	404-53-534-404-41100	2,280	0	2,280
19	Postage & Shipping	404-53-534-404-41200	1,600	0	1,600
20	Rentals	404-53-534-404-44100	20,000	0	20,000
21	Capital Leases	404-53-534-404-44200	6,000	0	6,000
22	Insurance	404-53-534-404-45000	51,447	0	51,447
23	Repair & Maintenance	404-53-534-404-46000	160,137	0	160,137
24	Vehicle Parts & Supplies	404-53-534-404-46300	127,379	0	127,379
25	Printing	404-53-534-404-47000	2,500	0	2,500
26	Advertising	404-53-534-404-48100	9,000	0	9,000
27	Uniforms & Clothing	404-53-534-404-49400	10,800	0	10,800
28	Office Supplies	404-53-534-404-51000	1,000	0	1,000
29	Operating Supplies	404-53-534-404-52000	20,403	0	20,403
30	Gasoline & Diesel Fuel	404-53-534-404-52100	83,300	0	83,300
31	Small Tools & Others	404-53-534-404-52200	500	0	500
32	Containers	404-53-534-404-52400	120,000	0	120,000
33	Memberships, Dues & Subscriptions	404-53-534-404-54200	500	0	500
34	Total Operating Expenses		\$1,038,482	\$92,400	\$1,130,882
35	Total Depreciation	404-53-534-404-59000	\$0	\$0	\$0
<u>Capital Outlay [2]</u>					
36	Improvements-Dumpster Enclosure	404-53-534-404-63101	\$5,000	(\$5,000)	\$0
37	Machinery & Equipment	404-53-534-404-64100	153,000	(153,000)	0
38	Total Capital Outlay		\$158,000	(\$158,000)	\$0

Table 3
Town of Lake Park
Solid Waste Rate Study

Fiscal Year 2023 Sanitation Operating Budget

Line No.	Description	General Ledger Account Number	Budget [1] 2023	Adjustments	Adjusted 2023
	<u>Debt Service [3]</u>				
39	Principal	404-53-534-404-71000	\$122,987	(\$122,987)	\$0
40	Interest	404-53-534-404-72000	5,256	(5,256)	0
41	Total Debt Service		<u>\$128,243</u>	<u>(\$128,243)</u>	<u>\$0</u>
42	Total Grants & Aids	Grants and Aid	\$0	\$0	\$0
	<u>Other</u>				
43	Transfer to General Fund [3]	404-53-534-404-99110	\$31,435	(\$31,435)	\$0
44	Indirect Cost Allocation	404-53-534-404-99404	511,527	0	511,527
45	Total Other		<u>\$542,962</u>	<u>(\$31,435)</u>	<u>\$511,527</u>
	<u>Adjustments</u>				
46	Other Adjustments	Adjustments	\$0	\$0	\$0
47	Total Adjustments		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	<u>Additional Charges</u>				
48	Additional Personnel Costs	AddPer	\$0	\$0	\$0
49	Additional Operating Costs	AddOps	0	0	0
50	Additional Maintenance Costs	AddMaint	0	0	0
51	Bad Debt Expense - 0.25% [4]	BadDebt	0	5,230	5,230
52	Operating Contingency - 1.00% [5]	Contingency	0	22,268	22,268
53	Total Additional Charges		<u>\$0</u>	<u>\$27,498</u>	<u>\$27,498</u>
54	Total Sanitation Expenses		<u><u>\$2,446,830</u></u>	<u><u>(\$197,780)</u></u>	<u><u>\$2,249,050</u></u>

Footnotes:

- [1] Amounts reflect the expenditures for Fiscal Year 2023 as provided by City staff.
[2] Amount removed from operating expenses and shown separately as part of the capital plan.
[3] Amount removed from operating expenses and shown separately as part of the projection of annual loan and lease payments shown on Table 8.
[4] An allowance for uncollectible accounts was assumed at 0.25% of revenues per year for conservatism.
[5] An allowance for operating cost contingencies was assumed at 1.00% of expenses per year for conservatism.

Table 4
Town of Lake Park
Solid Waste Rate Study

Projection of Operating Expenses - Fiscal Years 2023 - 2028

Line No.	Description	Adjusted [1]	Escalation	Projected Fiscal Year Ending September 30,				
		2023	Reference [2]	2024	2025	2026	2027	2028
<u>Personal Services</u>								
1	Regular Salaries	\$347,047	Labor	\$386,402	\$401,858	\$417,933	\$434,650	\$452,036
2	Overtime Salaries	18,000	Labor	20,041	20,843	21,677	22,544	23,445
3	Special Pay	3,000	Labor	3,340	3,474	3,613	3,757	3,908
4	FICA	31,739	Labor	35,338	36,752	38,222	39,751	41,341
5	Retirement	25,877	Labor	28,811	29,964	31,162	32,409	33,705
6	Town Retirement Matching	9,172	Labor	10,212	10,621	11,045	11,487	11,947
7	Health Insurance	114,211	Ins-Health	131,343	151,044	173,701	199,756	229,719
8	Insurance - Dental	3,654	Ins-Health	4,202	4,832	5,557	6,391	7,349
9	Insurance - Life	1,041	Ins-Health	1,197	1,377	1,583	1,821	2,094
10	Insurance - Vision	495	Ins-Health	569	655	753	866	996
11	Disability	3,778	Ins-Health	4,345	4,996	5,746	6,608	7,599
12	Worker's Compensation Insurance	21,129	Worker Comp	22,608	23,512	24,453	25,431	26,448
13	Total Personal Services	\$579,143		\$648,409	\$689,928	\$735,444	\$785,469	\$840,587
<u>Operating Expenses</u>								
14	Professional Services	\$60,734	Contract	\$10,163	\$10,570	\$10,993	\$11,432	\$73,890
15	Contractual Services	44,902	Contract	46,698	48,566	50,509	52,529	54,630
16	Disposal Fees - Garbage [3]	407,400	Calculated	414,067	442,434	469,941	498,733	528,851
17	Travel & Training	1,000	Inflation	1,030	1,061	1,093	1,126	1,159
18	Telephone	2,280	Inflation	2,348	2,419	2,491	2,566	2,643
19	Postage & Shipping	1,600	Accounts/Inf	1,666	1,735	1,807	1,882	1,960
20	Rentals	20,000	Inflation	20,600	21,218	21,855	22,510	23,185
21	Capital Leases	6,000	VehLease	9,245	9,708	10,193	10,703	11,238
22	Insurance	51,447	Insurance	59,164	68,039	78,244	89,981	103,478
23	Repair & Maintenance	160,137	Repair	164,941	169,889	174,986	180,236	185,643
24	Vehicle Parts & Supplies	127,379	Repair	131,200	135,136	139,190	143,366	147,667
25	Printing	2,500	Accounts/Inf	2,604	2,711	2,824	2,941	3,063
26	Advertising	9,000	Accounts/Inf	9,373	9,760	10,167	10,589	11,027
27	Uniforms & Clothing	10,800	Inflation	11,124	11,458	11,801	12,155	12,520
28	Office Supplies	1,000	Inflation	1,030	1,061	1,093	1,126	1,159
29	Operating Supplies	20,403	Inflation	21,015	21,646	22,295	22,964	23,653
30	Gasoline & Diesel Fuel	83,300	Hauling	90,735	98,833	107,011	115,765	125,131
31	Small Tools & Others	500	Inflation	515	530	546	563	580

Table 4
Town of Lake Park
Solid Waste Rate Study

Projection of Operating Expenses - Fiscal Years 2023 - 2028

Line No.	Description	Adjusted [1] 2023	Escalation Reference [2]	Projected Fiscal Year Ending September 30,				
				2024	2025	2026	2027	2028
32	Containers	120,000	Repair	145,600	127,968	131,807	135,761	139,834
33	Memberships, Dues & Subscriptions	500	Inflation	515	530	546	563	580
34	Total Operating Expenses	<u>\$1,130,882</u>		<u>\$1,143,634</u>	<u>\$1,185,272</u>	<u>\$1,249,393</u>	<u>\$1,317,491</u>	<u>\$1,451,892</u>
35	Total Depreciation	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0
	<u>Capital Outlay [4]</u>							
36	Improvements-Dumpster Enclosure	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0
37	Machinery & Equipment	0	Eliminate	0	0	0	0	0
38	Total Capital Outlay	<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	<u>Debt Service [5]</u>							
39	Principal	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0
40	Interest	0	Eliminate	0	0	0	0	0
41	Total Debt Service	<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
42	Total Grants & Aids	\$0	Inflation	\$0	\$0	\$0	\$0	\$0
	<u>Other</u>							
43	Transfer to General Fund [5]	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0
44	Indirect Cost Allocation	511,527	Labor	569,534	592,316	616,008	640,648	666,274
45	Total Other	<u>\$511,527</u>		<u>\$569,534</u>	<u>\$592,316</u>	<u>\$616,008</u>	<u>\$640,648</u>	<u>\$666,274</u>
	<u>Adjustments</u>							
46	Other Adjustments	\$0	Inflation	\$0	\$0	\$0	\$0	\$0
47	Total Adjustments	<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Table 4
Town of Lake Park
Solid Waste Rate Study

Projection of Operating Expenses - Fiscal Years 2023 - 2028

Line No.	Description	Adjusted [1] 2023	Escalation Reference [2]	Projected Fiscal Year Ending September 30,				
				2024	2025	2026	2027	2028
Additional Charges								
48	Additional Personnel Costs [6]	\$0	Labor	\$0	\$156,762	\$163,033	\$169,554	\$176,336
49	Additional Operating Costs	0	Inflation	0	0	0	0	0
50	Additional Maintenance Costs	0	Inflation	0	0	0	0	0
51	Bad Debt Expense - 0.25% [7]	5,230	Calculated	8,088	8,622	8,997	9,576	10,241
52	Operating Contingency - 1.00% [8]	22,268	Calculated	23,697	26,329	27,729	29,227	31,453
53	Total Additional Charges	<u>\$27,498</u>		<u>\$31,785</u>	<u>\$191,713</u>	<u>\$199,758</u>	<u>\$208,357</u>	<u>\$218,030</u>
54	TOTAL OPERATING EXPENSES	<u>\$2,249,050</u>		<u>\$2,393,362</u>	<u>\$2,659,229</u>	<u>\$2,800,604</u>	<u>\$2,951,966</u>	<u>\$3,176,784</u>
55	Annual Rate of Change	<u>N/A</u>		<u>6.42%</u>	<u>11.11%</u>	<u>5.32%</u>	<u>5.40%</u>	<u>7.62%</u>

Footnotes:

- [1] Adjusted Budget Fiscal Year 2023 amounts shown derived from Table 3.
[2] Escalation references derived from Table 5.
[3] Disposal costs shown based on tonnage projections as developed on Table 6.
[4] Amounts removed from operating expenses and shown separately as part of the capital plan on Table 7.
[5] Amounts removed from operating expenses and shown separately as part of the projection of annual loan and lease payments shown on Table 8.
[6] Amounts shown reflect one additional Sanitation Truck Operator II and one additional Solid Waste Code Officer being added in 2025.
[7] An allowance for uncollectible accounts was assumed at 0.25% of revenues per year for conservatism.
[8] An allowance for operating cost contingencies was assumed at 1.00% of expenses per year for conservatism.

Table 5
Town of Lake Park
Solid Waste Rate Study

Summary of Operating Expense Escalation Factors

Line No.	Description	Escalation Reference	Projected Fiscal Year Ending September 30,				
			2024	2025	2026	2027	2028
1	Constant	Constant	1.0000	1.0000	1.0000	1.0000	1.0000
2	Eliminate	Eliminate	0.0000	0.0000	0.0000	0.0000	0.0000
3	General Inflation (CPI)	Inflation	1.0300	1.0300	1.0300	1.0300	1.0300
4	Labor Escalator	Labor	1.1134	1.0400	1.0400	1.0400	1.0400
5	Contract Labor	Contract	1.0400	1.0400	1.0400	1.0400	1.0400
6	Life/Health/Disability Insurance Escalator	Ins-Health	1.1500	1.1500	1.1500	1.1500	1.1500
7	Workers Compensation	Worker Comp	1.0700	1.0400	1.0400	1.0400	1.0400
8	General Insurance Factor	Insurance	1.1500	1.1500	1.1500	1.1500	1.1500
9	Repair and Maintenance	Repair	1.0300	1.0300	1.0300	1.0300	1.0300
10	Fuel	Fuel	1.0500	1.0500	1.0500	1.0500	1.0500
11	Utility Expenses	Utility	1.1151	1.0500	1.0500	1.0500	1.0500
12	Growth in Disposal + Fuel	Hauling	1.0893	1.0893	1.0827	1.0818	1.0809
13	Marginal Adjustment Factor	Marginal	1.0100	1.0100	1.0100	1.0100	1.0100
14	Operating Leases - Vehicles	VehLease	1.5409	1.0500	1.0500	1.0500	1.0500
15	Customer Accounts	Accounts	1.0111	1.0110	1.0113	1.0112	1.0111
16	Customer Units	Units	1.0089	1.0125	1.0091	1.0122	1.0124
17	Customer Accounts + Inflation	Accounts/Inf	1.0414	1.0413	1.0417	1.0415	1.0414
18	Customer Units + Inflation	Units/Inf	1.0392	1.0429	1.0393	1.0426	1.0428
19	Maximum Trips	Trips	1.0094	1.0146	1.0097	1.0142	1.0145
20	Maximum Cubic Yards	Yards	1.0129	1.0286	1.0123	1.0274	1.0311
21	Estimate Tonnage	Tons	1.0164	1.0374	1.0312	1.0303	1.0294

Table 6
Town of Lake Park
Solid Waste Rate Study

Projection of Annual Disposal Fees

Line No.	Description	Projected Fiscal Year Ending September 30, [1] [2]					
		2023	2024	2025	2026	2027	2028
<u>Residential - All Classes</u>							
1	Growth in Weight	N/A	1.0%	1.0%	1.0%	1.0%	1.0%
2	Chargeable Weight - Base (Tons)	2,300	2,323	2,346	2,370	2,393	2,417
3	Chargeable Weight - Yard Waste Base (Tons)	342	345	349	352	356	359
4	Chargeable Weight - Bulk Waste (Tons)	373	377	380	384	388	392
5	Chargeable Weight (Tons)	3,015	3,045	3,075	3,106	3,137	3,169
6	Rate per Ton	\$42.00	\$42.00	\$43.26	\$44.56	\$45.90	\$47.28
7	Annual Charges	\$126,624	\$127,891	\$133,045	\$138,413	\$144,001	\$149,814
<u>Commercial - All Classes</u>							
8	Growth in Weight	N/A	2.2%	6.2%	4.9%	4.7%	4.5%
9	Chargeable Weight - Base (Tons)	5,100	5,213	5,535	5,807	6,079	6,351
10	Chargeable Weight - Yard Waste Base (Tons)	758	766	773	781	789	797
11	Chargeable Weight - Bulk Waste (Tons)	827	835	844	852	861	869
12	Chargeable Weight (Tons)	6,685	6,814	7,152	7,440	7,728	8,017
13	Rate per Ton	\$42.00	\$42.00	\$43.26	\$44.56	\$45.90	\$47.28
14	Annual Charges	\$280,776	\$286,176	\$309,389	\$331,528	\$354,732	\$379,037
<u>Total Department</u>							
15	Growth in Weight	N/A	1.6%	3.7%	3.1%	3.0%	2.9%
16	Chargeable Weight (Tons)	9,700	9,859	10,227	10,546	10,866	11,186
17	Average Cost per Ton	\$42.00	\$42.00	\$43.26	\$44.56	\$45.90	\$47.28
18	Annual Charges	\$407,400	\$414,067	\$442,434	\$469,941	\$498,733	\$528,851
19	Rate of Change	N/A	1.64%	6.85%	6.22%	6.13%	6.04%

Footnotes:

[1] Amounts based on historical disposal trends as provided by the Town and adjusted for new development.

[2] Existing disposal levels assumed to increase annually by 1% per year for all classes except Commercial Base tonnages which are projected based on development information provided by the Town.

Table 7
Town of Lake Park
Solid Waste Rate Study

Capital Funding Program

Line No.	Description	Funding Reference	Projected Fiscal Year Ending September 30, - Future Dollars [1]					6 Year Totals	
			2023	2024	2025	2026	2027		2028
CUMULATIVE INFLATIONARY ADJUSTMENT FACTOR			1.000	1.050	1.103	1.158	1.216	1.276	
<u>Replacement of Vehicles</u>									
1	Autocar/Heil FEL - #45	Lease1	\$329,999	\$0	\$0	\$0	\$0	\$0	\$329,999
2	Mack/McNeilus FEL - #44	Lease4	0	346,499	0	0	0	0	346,499
3	Mack/Heil TE64 FEL - #56	Lease8	0	0	0	382,015	0	0	382,015
4	Autocar/Heil ASL - #50	Lease2	357,549	0	0	0	0	0	357,549
5	Mack/McNeilus ASL - #51	Lease5	0	375,426	0	0	0	0	375,426
6	Mack/Heil LR64R ASL - #58	Lease9	0	0	0	413,908	0	0	413,908
7	Peterson TL3 Grapple/International - #66	Lease6	0	0	195,143	0	0	0	195,143
8	Peterson TL3 Grapple/International - #67	Lease10	0	0	0	204,900	0	0	204,900
9	Peterson TL3 Grapple/Mack - #68	REV	0	0	0	0	0	0	0
10	2005 IHC/Heil Rearloader - #42	Lease7	0	0	308,700	0	0	0	308,700
11	Mack MD6 Container Handler - #59	REV	0	0	0	0	0	0	0
12	Chevy Silverado 1500 - #360	REV	0	0	0	0	0	0	0
13	Dodge Ram 1500 - #New	REV	0	0	0	0	0	0	0
14	Total Vehicle Replacements		\$687,548	\$721,925	\$503,843	\$1,000,822	\$0	\$0	\$2,914,138
<u>Other Capital Requirements</u>									
15	Capital Outlay - Dumpster Enclosures	REV	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
16	A-Frame Gantry Crane - New	REV	13,000	0	0	0	0	0	13,000
17	Truck for Dumpsters - New	Lease3	140,000	0	0	0	0	0	140,000
18	Other Capital Outlay	REV	0	21,000	22,050	23,153	24,310	25,526	116,038
19	Other Capital Outlay - Additional Truck	Lease11	0	0	0	0	401,116	0	401,116
20	Other Capital Outlay - Additional Truck	Lease12	0	0	0	0	0	456,333	456,333
21	Other 3	REV	0	0	0	0	0	0	0
22	Total Capital Projects		\$158,000	\$21,000	\$22,050	\$23,153	\$425,426	\$481,859	\$1,131,487
23	TOTAL CAPITAL PLAN		\$845,548	\$742,925	\$525,893	\$1,023,975	\$425,426	\$481,859	\$4,045,626

**Table 7
Town of Lake Park
Solid Waste Rate Study**

Capital Funding Program

Line No.	Description	Funding Reference	Projected Fiscal Year Ending September 30, - Future Dollars [1]					6 Year Totals	
			2023	2024	2025	2026	2027		2028
FUNDING SOURCES									
24	Operating Reserves	OR	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Operating Revenues	REV	18,000	21,000	22,050	23,153	24,310	25,526	134,038
26	Vehicle Replacement Fund	VRF	0	0	0	0	0	0	0
27	Other	OTHER	0	0	0	0	0	0	0
28	Additional Vehicle Lease 1	Lease1	329,999	0	0	0	0	0	329,999
29	Additional Vehicle Lease 2	Lease2	357,549	0	0	0	0	0	357,549
30	Additional Vehicle Lease 3	Lease3	140,000	0	0	0	0	0	140,000
31	Additional Vehicle Lease 4	Lease4	0	346,499	0	0	0	0	346,499
32	Additional Vehicle Lease 5	Lease5	0	375,426	0	0	0	0	375,426
33	Additional Vehicle Lease 6	Lease6	0	0	195,143	0	0	0	195,143
34	Additional Vehicle Lease 7	Lease7	0	0	308,700	0	0	0	308,700
35	Additional Vehicle Lease 8	Lease8	0	0	0	382,015	0	0	382,015
36	Additional Vehicle Lease 9	Lease9	0	0	0	413,908	0	0	413,908
37	Additional Vehicle Lease 10	Lease10	0	0	0	204,900	0	0	204,900
38	Additional Vehicle Lease 11	Lease11	0	0	0	0	401,116	0	401,116
39	Additional Vehicle Lease 12	Lease12	0	0	0	0	0	456,333	456,333
40	TOTAL FUNDING SOURCES		<u>\$845,548</u>	<u>\$742,925</u>	<u>\$525,893</u>	<u>\$1,023,975</u>	<u>\$425,426</u>	<u>\$481,859</u>	<u>\$4,045,626</u>

Footnotes:

[1] Amounts as provided by the City and include an escalation for inflation at 5% per year.

Table 8
Town of Lake Park
Solid Waste Rate Study

Summary of Debt Service Payments

Line No.	Description	Fiscal Year Ending September 30th,					
		2023	2024	2025	2026	2027	2028
<u>Existing Loan / Lease Payments [1]</u>							
1	Side Loader Lease Payments	\$64,943	\$64,943	\$0	\$0	\$0	\$0
2	Mack MD7 Grapple Truck Payments	64,680	64,680	64,680	0	0	0
3	General Fund Loan	31,435	31,435	31,435	31,435	0	0
4	Total Existing Loan / Lease Payments	<u>\$161,058</u>	<u>\$161,058</u>	<u>\$96,115</u>	<u>\$31,435</u>	<u>\$0</u>	<u>\$0</u>
<u>Proposed Loan/Lease Payments [2]</u>							
5	Additional Vehicle Lease 1	\$0	\$95,502	\$95,502	\$95,502	\$95,502	\$0
6	Additional Vehicle Lease 2	0	103,292	103,292	103,292	103,292	0
7	Additional Vehicle Lease 3	0	40,691	40,691	40,691	40,691	0
8	Additional Vehicle Lease 4	0	0	101,007	101,007	101,007	101,007
9	Additional Vehicle Lease 5	0	0	108,510	108,510	108,510	108,510
10	Additional Vehicle Lease 6	0	0	0	56,888	56,888	56,888
11	Additional Vehicle Lease 7	0	0	0	89,976	89,976	89,976
12	Additional Vehicle Lease 8	0	0	0	0	112,383	112,383
13	Additional Vehicle Lease 9	0	0	0	0	121,140	121,140
14	Additional Vehicle Lease 10	0	0	0	0	60,132	60,132
15	Additional Vehicle Lease 11	0	0	0	0	0	118,013
16	Additional Vehicle Lease 12	0	0	0	0	0	0
17	Total Proposed Loan/Lease Payments	<u>\$0</u>	<u>\$239,485</u>	<u>\$449,003</u>	<u>\$595,867</u>	<u>\$889,521</u>	<u>\$768,048</u>
18	Total Existing and Proposed Loan/Lease Payments	<u><u>\$161,058</u></u>	<u><u>\$400,543</u></u>	<u><u>\$545,118</u></u>	<u><u>\$627,302</u></u>	<u><u>\$889,521</u></u>	<u><u>\$768,048</u></u>

Footnotes:

- [1] Existign loan and lease amounts shown based on adjustments from Table 3 and include adjustments for an additional \$1,380 in annual interest costs.
- [2] Projected lease payment amounts shown based on funding of capital program as shown on Table 7. Loans assume a payment term of 4 years and interest rates between 5.99% and 6.75%.

Table 9
Town of Lake Park
Solid Waste Rate Study

Projected Fund Balances and Interest Earnings

Line No.	Description	Reference	Projected Fiscal Year Ending September 30, [1]					
			2023	2024	2025	2026	2027	2028
UNRESTRICTED OPERATING FUND								
1	Beginning Balance [2]		\$514,286	\$264,903	\$464,678	\$720,175	\$906,562	\$912,632
2	Transfers In - Revenues		2,091,883	3,235,181	3,448,894	3,598,645	3,830,367	4,096,265
3	Transfers Out - Net Revenue Requirements		2,341,267	3,035,406	3,193,397	3,412,258	3,824,297	3,926,058
4	Transfers Out - CIP		0	0	0	0	0	0
5	Transfers Out (In) - Outside Sources		0	0	0	0	0	0
6	End of Year Transfer In / (Out)		0	0	0	0	0	0
7	Interest Rate	Short Term	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
8	Interest Income		12,000	11,000	18,000	24,000	27,000	30,000
	Transfer of Interest Income							
9	to Revenue Fund		12,000	11,000	18,000	24,000	27,000	30,000
10	Ending Balance		<u>\$264,903</u>	<u>\$464,678</u>	<u>\$720,175</u>	<u>\$906,562</u>	<u>\$912,632</u>	<u>\$1,082,840</u>
CONTINGENCY FUND - DEBRIS REMOVAL CONTRACT EXPENSES								
11	Beginning Balance [2]		\$0	\$0	\$250,000	\$257,500	\$265,200	\$273,200
12	Transfers In		0	250,000	7,500	7,700	8,000	8,200
13	Transfers Out		0	0	0	0	0	0
14	Interest Rate	Medium Term	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
15	Interest Income		0	4,000	8,000	8,000	8,000	8,000
	Transfer of Interest Income							
16	to Revenue Fund		0	4,000	8,000	8,000	8,000	8,000
17	Ending Balance		<u>\$0</u>	<u>\$250,000</u>	<u>\$257,500</u>	<u>\$265,200</u>	<u>\$273,200</u>	<u>\$281,400</u>
CUSTOMER DEPOSITS								
18	Beginning Balance [2]		\$0	\$0	\$0	\$0	\$0	\$0
19	Transfers In		0	0	0	0	0	0
20	Transfers Out		0	0	0	0	0	0
21	Interest Rate	None	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
22	Interest Income		0	0	0	0	0	0
	Transfer of Interest Income							
23	to Revenue Fund		0	0	0	0	0	0
24	Ending Balance		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
56	TOTAL INTEREST INCOME		<u>\$12,000</u>	<u>\$15,000</u>	<u>\$26,000</u>	<u>\$32,000</u>	<u>\$35,000</u>	<u>\$38,000</u>

Footnotes:

- [1] Cash balances dependent upon the adoption of proposed rate increases shown in Table 10, if any.
 [2] The beginning balance was derived from the City's unaudited trial balances as of September 30, 2022.

Table 10
Town of Lake Park
Solid Waste Rate Study

Projected Sanitation Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30,					
		2023	2024	2025	2026	2027	2028
1	Total Operating Expenses [1]	\$2,249,050	\$2,393,362	\$2,659,229	\$2,800,604	\$2,951,966	\$3,176,784
	<u>Debt Service</u>						
2	Existing Debt Service	\$161,058	\$161,058	\$96,115	\$31,435	\$0	\$0
3	Proposed Debt Service	0	239,485	449,003	595,867	889,521	768,048
4	Annual Debt Service Payments [2]	\$161,058	\$400,543	\$545,118	\$627,302	\$889,521	\$768,048
	<u>Other Revenue Requirements</u>						
5	Allowance for Debris Removal Contractual Expenses	\$0	\$250,000	\$7,500	\$7,700	\$8,000	\$8,200
6	Other Capital Funded from Rates [3]	18,000	21,000	22,050	23,153	24,310	25,526
7	Intragovernmental Transfers - Franchise Fees	0	0	0	0	0	0
8	Operating Reserves - Deposits to/(Uses of)	0	0	0	0	0	0
9	Total Other Revenue Requirements	\$18,000	\$271,000	\$29,550	\$30,853	\$32,310	\$33,726
10	Gross Revenue Requirements	\$2,428,108	\$3,064,906	\$3,233,897	\$3,458,758	\$3,873,797	\$3,978,558
	<u>Less Income and Funds from Other Sources</u>						
11	Other Operating Revenue [4]	\$74,840	\$14,500	\$14,500	\$14,500	\$14,500	\$14,500
12	Interest Income	12,000	15,000	26,000	32,000	35,000	38,000
13	Net Revenue Requirements	\$2,341,267	\$3,035,406	\$3,193,397	\$3,412,258	\$3,824,297	\$3,926,058
	<u>Revenue from Operations</u>						
14	Existing Operating Revenue [4]	\$2,091,883	\$2,185,933	\$2,262,460	\$2,291,938	\$2,368,465	\$2,459,107
15	Prior Year Rate Adjustments	0	0	1,085,981	1,201,892	1,350,338	1,517,849
16	Total Rate Revenue Before Current Year Adjustment	2,091,883	2,185,933	3,348,441	3,493,830	3,718,803	3,976,957
17	<u>Current Year Rate Adjustments</u>						
18	Current Year Rate Adjustment	0.00%	48.00%	3.00%	3.00%	3.00%	3.00%
19	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
20	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
21	Total Revenue from Current Year Adjustments	\$0	\$1,049,248	\$100,453	\$104,815	\$111,564	\$119,309
22	Total Revenue	\$2,091,883	\$3,235,181	\$3,448,894	\$3,598,645	\$3,830,367	\$4,096,265
23	Revenue Surplus/(Deficiency) - Transfer to Reserves	(\$249,384)	\$199,775	\$255,498	\$186,387	\$6,070	\$170,208
24	Percent of Rate Revenues	-11.92%	6.18%	7.41%	5.18%	0.16%	4.16%
25							
		Projected Fiscal Year Ending September 30,					
26	Residential Cart Per Unit Rates	2023	2024	2025	2026	2027	2028
27	Single Family Per Unit Rate	\$258.37	\$382.39	\$393.86	\$405.68	\$417.85	\$430.39
28	Mobile Home	258.37	382.39	393.86	405.68	417.85	430.39
29	Multi-Family Cart Service	258.37	382.39	393.86	405.68	417.85	430.39
31							
		Projected Fiscal Year Ending September 30,					
32	Summary of Cash Balances (Year-End)	2023	2024	2025	2026	2027	2028
33	Unrestricted Operating Fund	\$264,903	\$464,678	\$720,175	\$906,562	\$912,632	\$1,082,840
34	Contingency Fund - Debris Removal Contract Expenses	0	250,000	257,500	265,200	273,200	281,400
35	Total Cash Balances (Year-End)	\$264,903	\$714,678	\$977,675	\$1,171,762	\$1,185,832	\$1,364,240
36	Operating Fund - Days of Annual Expenditures - Minimum	90	90	90	90	90	90
37	Operating Fund - Days of Annual Expenditures - Calculated	41	61	83	97	87	101

Footnotes:

- [1] Amounts derived from Table 4.
[2] Amounts derived from Table 8.
[3] Amounts derived from Table 7.
[4] Amounts derived from Table 2.

**Table 11
Town of Lake Park
Solid Waste Rate Study**

Summary of Existing and Proposed Rates

Line No.	Description	Existing Charges	Proposed Rates				
			2024	2025	2026	2027	2028
<u>Single-family Cart Service</u>							
1	Annual Charge per Unit	\$258.37	\$382.39	\$393.86	\$405.68	\$417.85	\$430.38
<u>Multifamily Cart Service</u>							
2	Annual Charge per Unit	\$258.37	\$382.39	\$393.86	\$405.68	\$417.85	\$430.38
<u>Multifamily Dumpster Service</u>							
		<u>Per Unit</u>	<u>Per Dumpster</u>	<u>Per Dumpster</u>	<u>Per Dumpster</u>	<u>Per Dumpster</u>	<u>Per Dumpster</u>
3	<u>2 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$196.04	\$290.16	\$298.83	\$307.84	\$317.03	\$326.56
4	<u>2 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$294.06	\$435.24	\$448.24	\$461.76	\$475.54	\$489.84
5	<u>3 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$294.06	\$435.24	\$448.24	\$461.76	\$475.54	\$489.84
6	<u>3 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$441.09	\$652.86	\$672.36	\$692.64	\$713.31	\$734.76
7	<u>4 Cubic Yard Container - 1 Pick Ups</u> Monthly Charge per Unit	\$196.04	\$290.16	\$298.83	\$307.84	\$317.03	\$326.56
8	<u>4 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$392.08	\$580.32	\$597.65	\$615.68	\$634.05	\$653.12
9	<u>4 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$588.12	\$870.48	\$896.48	\$923.52	\$951.08	\$979.68
10	<u>6 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$588.12	\$870.48	\$896.48	\$923.52	\$951.08	\$979.68
11	<u>6 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$882.18	\$1,305.72	\$1,344.72	\$1,385.28	\$1,426.62	\$1,469.52
12	<u>8 Cubic Yard Container - 1 Pick Ups</u> Monthly Charge per Unit	\$392.08	\$580.32	\$597.65	\$615.68	\$634.05	\$653.12
13	<u>8 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$784.16	\$1,160.64	\$1,195.31	\$1,231.36	\$1,268.11	\$1,306.24
14	<u>8 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$1,176.24	\$1,740.96	\$1,792.96	\$1,847.04	\$1,902.16	\$1,959.36
<u>Commercial Dumpster Service</u>							
15	<u>0.5 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$49.01	\$72.54	\$74.71	\$76.96	\$79.26	\$81.64
16	<u>2 Cubic Yard Container - 1 Pick Ups</u> Monthly Charge per Unit	\$98.02	\$145.08	\$149.41	\$153.92	\$158.51	\$163.28
17	<u>2 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$196.04	\$290.16	\$298.83	\$307.84	\$317.03	\$326.56
18	<u>2 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$294.06	\$435.24	\$448.24	\$461.76	\$475.54	\$489.84

Table 11
Town of Lake Park
Solid Waste Rate Study

Summary of Existing and Proposed Rates

Line No.	Description	Existing Charges	Proposed Rates				
			2024	2025	2026	2027	2028
19	<u>2 Cubic Yard Container - 4 Pick Ups</u> Monthly Charge per Unit	\$392.08	\$580.32	\$597.65	\$615.68	\$634.05	\$653.12
20	<u>2 Cubic Yard Container - 5 Pick Ups</u> Monthly Charge per Unit	\$490.10	\$725.40	\$747.07	\$769.60	\$792.57	\$816.40
21	<u>3 Cubic Yard Container - 1 Pick Ups</u> Monthly Charge per Unit	\$147.03	\$217.62	\$224.12	\$230.88	\$237.77	\$244.92
22	<u>3 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$294.06	\$435.24	\$448.24	\$461.76	\$475.54	\$489.84
23	<u>3 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$441.09	\$652.86	\$672.36	\$692.64	\$713.31	\$734.76
24	<u>3 Cubic Yard Container - 4 Pick Ups</u> Monthly Charge per Unit	\$588.12	\$870.48	\$896.48	\$923.52	\$951.08	\$979.68
25	<u>3 Cubic Yard Container - 5 Pick Ups</u> Monthly Charge per Unit	\$735.15	\$1,088.10	\$1,120.60	\$1,154.40	\$1,188.85	\$1,224.60
26	<u>4 Cubic Yard Container - 1 Pick Ups</u> Monthly Charge per Unit	\$196.04	\$290.16	\$298.83	\$307.84	\$317.03	\$326.56
27	<u>4 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$392.08	\$580.32	\$597.65	\$615.68	\$634.05	\$653.12
28	<u>4 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$588.12	\$870.48	\$896.48	\$923.52	\$951.08	\$979.68
29	<u>4 Cubic Yard Container - 4 Pick Ups</u> Monthly Charge per Unit	\$784.16	\$1,160.64	\$1,195.31	\$1,231.36	\$1,268.11	\$1,306.24
30	<u>4 Cubic Yard Container - 5 Pick Ups</u> Monthly Charge per Unit	\$980.20	\$1,450.80	\$1,494.13	\$1,539.20	\$1,585.13	\$1,632.80
31	<u>6 Cubic Yard Container - 1 Pick Ups</u> Monthly Charge per Unit	\$294.06	\$435.24	\$448.24	\$461.76	\$475.54	\$489.84
32	<u>6 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$588.12	\$870.48	\$896.48	\$923.52	\$951.08	\$979.68
33	<u>6 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$882.18	\$1,305.72	\$1,344.72	\$1,385.28	\$1,426.62	\$1,469.52
34	<u>6 Cubic Yard Container - 4 Pick Ups</u> Monthly Charge per Unit	\$1,176.24	\$1,740.96	\$1,792.96	\$1,847.04	\$1,902.16	\$1,959.36
35	<u>6 Cubic Yard Container - 5 Pick Ups</u> Monthly Charge per Unit	\$1,470.30	\$2,176.20	\$2,241.20	\$2,308.80	\$2,377.70	\$2,449.20
36	<u>8 Cubic Yard Container - 1 Pick Ups</u> Monthly Charge per Unit	\$392.08	\$580.32	\$597.65	\$615.68	\$634.05	\$653.12
37	<u>8 Cubic Yard Container - 2 Pick Ups</u> Monthly Charge per Unit	\$784.16	\$1,160.64	\$1,195.31	\$1,231.36	\$1,268.11	\$1,306.24
38	<u>8 Cubic Yard Container - 3 Pick Ups</u> Monthly Charge per Unit	\$1,176.24	\$1,740.96	\$1,792.96	\$1,847.04	\$1,902.16	\$1,959.36

**Table 11
Town of Lake Park
Solid Waste Rate Study**

Summary of Existing and Proposed Rates

Line No.	Description	Existing Charges	Proposed Rates				
			2024	2025	2026	2027	2028
39	<u>8 Cubic Yard Container - 4 Pick Ups</u> Monthly Charge per Unit	\$1,568.32	\$2,321.28	\$2,390.61	\$2,462.72	\$2,536.21	\$2,612.48
40	<u>8 Cubic Yard Container - 5 Pick Ups</u> Monthly Charge per Unit	\$1,960.40	\$2,901.60	\$2,988.27	\$3,078.40	\$3,170.27	\$3,265.60