

Solid Waste Sanitary Services Revenue Sufficiency & Cost of Service Report



City of Atlanta 55 Trinity Avenue, SW Suite 2400 Atlanta, GA 30303

SCS ENGINEERS

Management Services

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SCS ENGINEERS

March 25, 2024

Mr. Alfred Wiggins
Department of Public Works Commissioner
City of Atlanta
55 Trinity Avenue, SW
Suite 2400
Atlanta, GA 30303

Subject: Solid Waste Sanitary Services Revenue Sufficiency and Cost of Service Update

Report

Dear Commissioner Wiggins,

SCS Engineers Management Services (SCS) is pleased to present this Solid Waste Sanitary Services Revenue Sufficiency and Cost of Service Report (Report) prepared for the City of Atlanta (City). SCS was initially retained by the City's Department of Public Works' Office of Solid Waste Services (DPW SWS) to make a long-term financial management plan for the City's solid waste operations through Fiscal Year (FY) 2034 and update the City's cost to provide services.

This Report is focused on recommending a rate increase for FY 2025 and quantifying potential solid waste management program changes that could improve operational efficiency and/or reduce operational expenses. To meet these objectives, SCS relied on information provided by City finance staff and DPW SWS staff and consultants including, but not limited to, customer and service type information, historical billed amounts, budgeted and historical financial operating revenues and costs, capital plans, long-term liabilities, and other financial and internal policy information.

The Report following this letter details the assumptions, findings, and recommendations of this analysis, and includes an executive summary that summarizes the key results and findings for each component of the study.

We appreciate this opportunity to continue to be of service to the City, and the kind and diligent assistance provided by you and your staff. We look forward to continue working with you in the future. If you have any questions or would like to discuss this further, please call Daniel Dietch at (305) 298-6568.

Regards,

Daniel Dietch
Project Manager

SCS Engineers

Kira Bieber Analyst II SCS Engineers

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ACRONYMS

Acronym	Definition
ASL	Automated Side Load Collection Vehicle
CIP	Capital Improvement Plan
COLA	Cost of Living Adjustment
COSA	Cost of Service Analysis
CPI	Consumer Price Index
DEAM	Department of Enterprise Asset Management
DPW	Department of Public Works
ES	Executive Summary
FY	Fiscal Year
MSW	Municipal Solid Waste
RL	Rear Load Collection Vehicle
RSA	Revenue Sufficiency Analysis
R&M	Repair and Maintenance
SCS	SCS Engineers Management Services
SWS	Office of Solid Waste Services

DEFINITIONS

Term	Definition
Annual Net Cost	The annual cost or savings associated with an operational scenario
Bin	A solid waste or recycling container that stores non-putrescible and putrescible materials that is collected by a front load collection vehicle
Cart	An enclosed wheeled container that stores between 35–95 gallons of non-putrescible and putrescible materials
City	City of Atlanta
Common Good/Special Services	Services that benefit all of the City's residential solid waste customers
Cost of Issuance	The expenses paid by or on behalf of the issuer in connection with the sale and issuance of bonds
Cost of Service	The total cost of providing a service to a customer. It includes all the costs associated with providing the service, such as labor, materials, overhead, and other expenses
Debt Service Coverage	A financial metric that measures the ability to pay debt obligations using cash flow

Term	Definition		
Debt Service Reserve	A financial reserve which works as an additional security measure for the lender as it ensures that the borrower will always have funds deposited to cover future debt service		
Finance	The Department of Public Works - Administration & Finance		
General Fund	The fund that support general City operations		
Interest Rate	The proportion of a loan that is charged as interest to the City, expressed as an annual percentage of the loan outstanding		
Operational Analysis	A method of examining the current performance of an operational investment and measuring that performance against an established set of costs, schedule and performance parameters		
Report	Solid Waste Sanitary Services Revenue Sufficiency and Cost of Service Report		
Revenue Sufficiency	The condition where revenues are sufficient to pay for debt service and operations		
Revenue Sufficiency Model	A model that computes a multi-year projection of the City's current assessment and rate revenues to determine whether the level of existing revenues can meet the projected City financial requirements		
Rubicon	The provider of the City's solid waste routing and data management software		
Scenario Analysis	The process of estimating the expected value of an anticipated operational or other change		
Solid Waste	Any garbage or refuse collected by the City		
Term	The duration related to borrowing funds		
Truck	A truck or vehicle that collects waste and transports it to a waste treatment facility		
Yard Trimming	Segregated plant material (e.g., leaves, grass clippings, branches, brush, flowers, roots, wood waste) generated at residential properties and set out for City collection		

EXECUTIVE SUMMARY

This Executive Summary presents highlights of the solid waste services analysis conducted for the City of Atlanta (City) by SCS Engineers (SCS) related to: 1) Revenue Sufficiency Analysis; 2) Cost of Service; and 3) potential solid waste management program changes that could improve operational efficiency and/or reduce operational expenses.

BACKGROUND

SCS was engaged by the City to analyze the financial stability of its solid waste operations over a multi-year projection period. As part of this engagement, The City also tasked SCS with analyzing different operational scenarios including: changing from rear load (RL) to automated side load (ASL) vehicles for solid waste and/or yard trimming collection, change from a 5-day to 4-day work week, change yard trimming collection from weekly service to biweekly, using carts for yard trimming collection, implementing a cart maintenance program, and reducing vehicle maintenance expense.

Any significant changes to the city's overall collection strategy, might be best experienced by developing several "pilot" programs that can test assumptions and impacts on the overall operational system. With a city as large and as complex as Atlanta, the benefit of real experiences in the field might assist in the development of the best overall strategy for the City of Atlanta.

OBJECTIVES

The objectives of this study were as follows:

- Revenue Sufficiency Analysis Update Project the sufficiency of revenues to fund Department of Public Works (DPW) Solid Waste Services (SWS) operating expenses, capital program, and debt service while maintaining adequate working capital reserve requirements over a long-term projection period. The update presented herein focuses on the recommended rate increase for FY 2025.
- Cost of Service Update Apportion costs among service types to determine the reasonable allocation of the cost of solid waste sanitary services provided by the City.
- Operational Scenarios Analysis Analyze the initial and ongoing financial impact of operational changes compared to the status quo.

REVENUE SUFFICIENCY ANALYSIS (RSA)

The RSA evaluated the sufficiency of DPW SWS' rate revenues and General Fund reimbursements to meet all of its current and projected financial requirements over a ten-year projection period, and determined the level of revenue adjustments necessary in each year of the projection period to provide sufficient revenues to fund the City's cost requirements. The immediate focus is to recommend a rate increase for Fiscal Year (FY) 2025, which is presented in **Figure ES-1**.

Figure ES-1. FY 2025 Revenue Adjustment Recommendation

FY 2025 Revenue Adjustment Recommendation

FY 2025
Revenue Adjustment % 3.50%

The recommended FY 2025 revenue adjustment of 3.50% is due to both internal and external factors. External factors include inflation impacting labor and assets and supply chain disruptions and internal factors include expenses exceeding revenues and not implementing recommended rate increases in prior years. In addition, the \$26.7 million in revenue for Special Services and Other Revenue will need to increase along with the above revenue adjustment plan each year.

It should be noted that the recommended revenue adjustment of 3.50% for FY 2025 is partially reflective of CPI, which currently exceeds 3%. It should be further noted that this study excludes future expenses for the following:

- Recent cost of living adjustments (COLA)
- Relocation of the Yard Waste Transfer Station
- Updating the Solid Waste Master Plan

To place the recommended revenue adjustment into context, Gwinnett County, GA implemented a 14% rate increase in FY 2024 and the City of Augusta, GA implemented a 38% rate increase in FY 2024.

COST OF SERVICE ANALYSIS (COSA)

The cost to provide solid waste and special (i.e., common goods) services for the City are allocated to 25 cost center pools. The results reflect how much it costs the City to provide each of these services. These costs are based off of the FY 2025 expense projections, and are subject to change based on labor changes, operational changes, and market conditions. **Figure ES-2 and Figure ES-3** present the expenses incurred in providing each service.

Figure ES-2. Cost of Service Summary – Solid Waste Services

Cost of Service Summary - Solid Waste

Service Fees	Expenses	%
Garbage Collection	\$ 17,170,618	29.7%
Yard Trimming Collection	\$ 10,043,384	17.4%
Recycling	\$ 8,103,010	14.0%
Post-Closure Care	\$ 7,454,217	12.9%
Multi-Family / Dumpster Collection	\$ 6,021,651	10.4%
Bulk Rubbish Collection	\$ 2,836,428	4.9%
Backyard Collection Solid Waste	\$ 2,685,027	4.6%
Yard Trimming Processing	\$ 2,119,782	3.7%
Backyard Collection Recycling	\$ 878,862	1.5%
Damaged Cart Replacements	\$ 477,778	0.8%
Total	\$ 57,790,758	100.0%

Figure ES-3. Cost of Service Summary – Special Services

Cost of Service Summary - Special Services

Service Fees	Expenses	%
Street Sweeping	\$ 8,247,694	37.3%
ROW Grass Mowing	\$ 4,143,100	18.7%
Trash Receptacle Collection	\$ 2,069,338	9.4%
Lot Clearing	\$ 1,836,599	8.3%
Keep Atlanta Beautiful	\$ 803,276	3.6%
Dead Animal Collection	\$ 738,173	3.3%
Illegal Dumping	\$ 722,938	3.3%
SWEET	\$ 694,007	3.1%
Special Event Cleanup	\$ 473,423	2.1%
Bin Delivery	\$ 940,809	4.3%
Community Cleanup	\$ 380,233	1.7%
Fortification	\$ 365,284	1.7%
Unsheltered Encampment Cleanups	\$ 365,284	1.7%
Illegal Sign Removal	\$ 326,808	1.5%
Damaged Cart Replacements	\$ 2,138	0.0%
Total	\$ 22,109,105	100.0%

^{**}Data for the above two tables include FY 2025 expense projections from the revenue sufficiency analysis which can be found in **Appendix A**. Each line item is allocated to the City's cost center pools (shown above). Methods of allocation include direct allocation, where costs were assigned to a direct cost center pool, indirect

allocation, for example, personal services, employee hours, equipment cost, equipment hours or, weighted averages, if a specific allocation criterion could not be identified.

In addition, these costs are recovered in various components of the solid waste rates and through General Fund payments to DPW SWS. The General Fund is to fund the cost of certain services and exemptions. Specifically, the funding includes other revenue of approximately \$500,000 in City solid waste collection services and \$1.8 million in tax exemptions, which is comprised of 30% of the solid waste bills for exempted persons.

SCENARIO ANALYSIS

The City identified various potential operational changes and tasked SCS to analyze the initial and ongoing financial impact of the following scenarios compared to the status quo:

- Scenario A 5 Day to 4 Day Work Week
- Scenario B Rear Load to Automated Side Load for Solid Waste and/or Yard Trimming Collection
- Scenario C Yard Trimming Collection Weekly to Biweekly
- Scenario D Yard Trimming Collection Loose to Carts
- Scenario E Cart Repair and Maintenance
- Scenario F Reduce Vehicle Maintenance Expense

It should be noted that the operational changes evaluated will have an effect on the need for additional revenues and the recommended revenue adjustment plan does not include these scenarios, since it is not confirmed which scenarios will be implemented, any potential synergies between scenarios, nor in which fiscal year the changes will be implemented.

It is also important to note that the scenario assumptions and inputs are based on discussions and data provided by City Staff as well as SCS's experience and industry standards (e.g., max stops per route based on vehicle (i.e., truck) capacity). More refined annual cost savings will be estimated once the City decides which scenarios will be incorporated, and in which fiscal year.

The estimated Annual Net Cost (Savings) is summarized below in **Figure ES-4** and detailed calculations are presented in **Appendix B**.

Figure ES-4. Estimated Financial Impact of Operational Change Scenarios

Scenario Summary

Annual Net Cost (Savings)	Current	Proposed	Cost (Savings)
5-Day Week to 4-Day Week - MSW	\$5,030,000	\$5,815,000	\$785,000
5-Day Week to 4-Day Week - Yard Trimmings	\$4,795,000	\$5,140,000	\$345,000
Rear Load to Automated Side Load Vehicles - MSW	\$4,340,000	\$3,435,000	(\$905,000)
Rear Load to Automated Side Load Vehicles - Yard Trimmings	\$4,340,000	\$3,435,000	(\$905,000)
Weekly to Biweekly Yard Trimmings Collection	\$4,795,000	\$2,225,000	(\$2,570,000)
Loose Yard Trimmings to Carts/Automated Side Load Collection	\$4,880,000	\$4,430,000	(\$450,000)
Cart Repair & Maintenance Program	\$795,000	\$685,000	(\$110,000)
Reduce Vehicle Maintenance Expense	\$10,650,000	\$9,225,000	(\$1,425,000)
Total Scenario Cost (Savings)			(\$5,235,000)

It should be noted that the values presented in **Figure ES-4** are estimated and **represent the potential annual net cost impacts by scenario and total savings should all of these scenarios be combined.** Further study is required to refine the analysis to optimize the impact of each scenario.

The City will need to determine which scenario(s) will be implemented, in which fiscal year the scenarios will be implemented, and if there are potential staffing or operational synergies or complications from implementing various programs simultaneously.

Once these determinations have been made, SCS can work with the City to analyze and quantify the anticipated net savings on an annual basis and the updated revenue adjustment plan required.

1.0 INTRODUCTION

The background, scope, and objectives of the study are described below.

1.1 BACKGROUND

The City of Atlanta (City), with a population of approximately 500,000, provides solid waste sanitary service to its residents and businesses. DPW SWS, which operates as an enterprise fund of the City, currently services approximately 100,000 residential solid waste and recycling accounts and certain multifamily and City accounts. Additionally, the DPW SWS performs many additional functions for the benefit of its residents and businesses, such as yard waste collection, bulk rubbish collection, and street sweeping, which is now funded by the General Fund along with a portion by Watershed

The City is considering various operational changes, but needs to determine the effects of these changes to their current operations. The feasibility of various scenarios was considered and the City has chosen to focus on the following: changing from rear load (RL) to automated side load (ASL) vehicles (i.e., truck) for solid waste and/or yard trimming collection, changing from a 5-day to 4-day work week, continuing yard trimming collection from a weekly service to biweekly, using carts for yard trimming collection, implementing a cart maintenance program, and reducing vehicle maintenance expense. As a result, SCS was engaged by the City to analyze the financial stability of its solid waste operations over a multi-year projection period and to perform an operational scenario analysis to calculate anticipated net cost/savings for each operational change the City is considering. SCS also updated its analysis of the City's cost to provided services.

1.2 SCOPE & OBJECTIVES

The components and objectives of this study were as follows:

- Revenue Sufficiency Analysis Update Project the sufficiency of revenues to fund
 Department of Public Works (DPW) Solid Waste Services (SWS) operating expenses, capital
 program, and debt service while maintaining adequate working capital reserve requirements
 over a long-term projection period. The update presented herein focuses on the
 recommended rate increase for FY 2025.
- 2. **Cost of Service Update** Apportion costs among service types to determine the reasonable allocation of the cost of solid waste sanitary services provided by the City.
- 3. **Operational Scenarios Analysis** Analyze the initial and ongoing financial impact of operational changes compared to the status quo.

The following sections describe the source data and assumptions used in the analyses, the work that was performed, and the recommended financial management plans.

2.0 REVENUE SUFFICIENCY ANALYSIS (RSA)

This section describes the source data, assumptions, analysis performed, scenarios considered, and the recommended financial management plan for the City. Detailed schedules of the assumptions and results can be found in **Appendix A**.

2.1 SOURCE DATA

The following presents the source data provided to SCS by the City, which was relied upon to conduct the study.

2.1.1 Beginning Fund Balances

Unaudited trial balance schedules for the fiscal year ended 6/30/2023 were used to establish fund balances for DPW SWS and its subfunds.

2.1.2 Revenues

The revenues utilized in the RSA reflect an evaluation of multiple years of historical results and rate revenues collected, the FY 2024 Budget, and conversations with City staff. Beginning in FY 2025, rate revenue is based upon the FY 2024 projection, adjusted annually to reflect assumed revenue adjustments and change in billed parcels. Projections of all other revenues are based upon the FY 2024 projection, excluding interest income (which was calculated annually based upon projected average fund balances and assumed interest rates) and penalties and interest (which were assumed to increase along with rate revenues).

2.1.3 Operating Expenditures

The City's operating expenditures include all personnel services, operations and maintenance (0&M) expenses, transfers, debt service requirements, and minor capital outlay. The expenses reflected in the RSA reflect an evaluation of multiple years of historical results, the FY 2024 Budget, and conversations with the City. In each year thereafter, expenses were based upon the FY 2024 projection and assumed cost escalation factors that were reviewed with City staff. These cost escalators are further explained in section 2.2.1.

2.1.4 Capital Spending

SCS tracks and updates the Consumer Price Index (CPI) escalation monthly for use with our financial analyses as it is an industry standard basis. For capital spending, the annual percent increase in CPI is based on the 10-year average change of the ENR-CCI). This value is calculated to be 3.41% and is used as the Capital Improvement Plan (CIP) escalation assumption factor in this analysis.

City staff provided project-level capital improvement projects taken from the assessment that the Department of Enterprise Asset Management (also known as DEAM) conducted for the City and the most current vehicle and equipment replacement program budgets. The total projected spending from FY 2024 – FY 2034 is projected to be approximately \$18.8 million for post-closure care, as the City is legally required to maintain the closed landfills, \$26.2 million for facility upgrades, and \$75.2 million for debt funded vehicle replacements.

2.2 ASSUMPTIONS

The following assumptions and policies were agreed upon by City staff and are reflected in the RSA and included in the schedules in **Appendix A**.

2.2.1 Revenue/Cost Escalation

When projecting revenues and costs, it is important to use realistic cost escalation factors. While we are aware that external conditions may change and slightly alter these values in the future, this is the best practice for financial projections. The escalation factors used for various types of operating assessments, revenues and expenses were based upon historical cost indices updated monthly by SCS. The following escalators represent the average percent change over the past 10 years. It is important to note, escalators used beyond FY 2025 are not guaranteed and may alter slightly due to changes in trends, The annual cost escalation factors and their sources used in this analysis are listed below:

Cost Escalation Fac	ctors	Source
Salaries	3.06%	Employment Cost Index - South Atlantic Census Division
Operations & Maintenance:	3.58%	Consumer Price Index for All Urban Consumers - Atlanta GA)
Capital Outlay:	3.55%	US Consumer Price Index - Motor Vehicle Maintenance and Repair
CIP:	3.41%	Engineering News Record - Construction Cost Index
No Escalation:	0.00%	

2.2.2 Interest Earnings on Invested Funds

The study assumes interest rate earnings of 0.25% in each year of the projection period, based upon City staff input and recent actual earnings for the City's funds.

2.2.3 Customer & Billed Parcel Growth

Projected growth in billed parcels was based upon a review of historical billing data for Fulton and Dekalb County parcels and local bills. Historical values were used to calculate future growth throughout the projection period from FY 2024 – FY 2034. The assumed growth represents average annual growth rates during the examined period of approximately 1.35% per year.

2.2.4 Minimum Reserve Policies

Local government revenues are often cyclical in nature. Reserves are the portion of fund balances for utility systems that are required to satisfy the utility's projected cash flow needs during the budget year, future capital outlays, debt payments, and debt service coverage requirements without impacting continued operations of the utility. These funds are intended for foreseen financial needs

as well as to minimize risk associated with emergencies, economic downturns, and unforeseen events that could create fiscal hardship.

Many utilities, rating agencies, and the Government Finance Officers Association (GFOA) best practice recommendations emphasize the importance of having risk-based policies or strategies to respond to significant, unplanned, unavoidable costs or revenue losses from unusual or adverse periods, unanticipated system failures, or natural disasters. Reserves also support a strong bond rating by signaling to investors that the utility has resources to repay debt, even with potential disruptions.

The financial management plan reflected herein assumes that the minimum operating fund reserve will equal 25% of annual operations and maintenance expenses for DPW SWS. This reserve level is consistent with our industry experience and a healthy level of reserves for a municipal utility system per the evaluation criteria published by the municipal bond ratings agencies. Maintaining such level of reserves retains the City's ability to access the municipal bond market for future capital bond funding.

2.2.5 Future Borrowing & Vehicle/Equipment Funding

DPW SWS cash funds most of its capital. However, part of its vehicle and equipment replacement program is financed with short-term debt. To the extent any additional short-term debt to fund DPW SWS'S vehicle and equipment replacement program would be required in any year of the projection period to fund a portion of the anticipated capital spending, the terms are based on DPW SWS'S current lease terms as follows:

Term: 6 Years Interest Rate: 2.45% Cost of Issuance: 2.00% of Par

Debt Service Reserve: None

Debt Service Coverage: None required

SCS utilizes "Municipal Bond Specialists" to retrieve interest rates for short term, subordinate, and senior lien debt. This analysis reflects a 2.45% rate for short-term borrowing. See below for the link to this website:

Municipal Bond Specialists: Municipal Bonds Market Yields | FMSbonds.com

It is important to note, these values fluctuate and will be updated for future analysis.

2.3 ANALYSIS

In order to initialize the RSA, we obtained DPW SWS's historical and budgeted financial information, historical billed parcel/container counts, multi-year capital improvement programs, and the City's current financial and debt policies. We also spoke with DPW SWS staff and City Finance staff regarding other assumptions and policies that would affect the financial performance of the City, such as indebtedness to the General Fund, anticipated customer growth, reserve policies, capital funding sources, earnings on invested funds, escalation rates for operating costs, impacts of potential regulatory and legislative initiatives, etc.

SCS then input this information into our Revenue Sufficiency Model. The Revenue Sufficiency Model creates a multi-year projection of the City's current assessment and rate revenues to determine whether the level of existing revenues can meet the projected City financial requirements during each year of the projection period from FY 2024 – FY 2034. The model then calculates the level of revenue adjustments required for the fund to meet its revenue requirements. It replicates the cash flows of DPW SWS in each year of the projection period, based upon City policies and available fund balances. In each year, the model utilizes unrestricted fund balances, revenues, and capital funds to pay for any operating or capital expenditures in that year. To the extent necessary to fund all of the projects and vehicle/equipment replacements in the capital program, the model can identify the level of borrowing and the resulting debt service payments that would be required.

Consistent with the City's Ordinance 22-0-1281 (Chapters 130-77 and 130-84), the following services funded through the General Fund include:

- Providing solid waste collection services to City facilities, and
- Tax exemptions for certain parcels.

Also, beginning in FY 2023:

• Providing special services throughout the City (such as street sweeping, trash receptacle collection along public rights of way, and fortification for special events).

Consequently, the City voted to implement an ad valorem tax increase in 2022 to help fund common good services. This assumption, representing approximately \$26.7 million in FY 2024, was brought into the financial projections.

2.4 RESULTS

Based on the source data and input provided by City staff, and the assumptions and policies described herein, the analysis determined that the City's current revenues are not sufficient to fund its ongoing operating, capital, debt service and coverage requirements, and working capital reserve targets in any year of the projection period from FY 2024 – FY 2034. While SCS has analyzed the cost of service and revenue sufficiency over a 10-year planning period, the rate increase recommendation is presented for FY 2025 only.

It is important to note that the fund balance used in this analysis excludes the General Fund indebtedness as advised by senior management.

2.5 STATUS QUO

The fund balance graph presented in **Figure 1** reflects the SWS Revenue fund balance under the City's current rates with no additional revenue increases. Without any revenue increases, the fund balance is depleted by FY 2029.

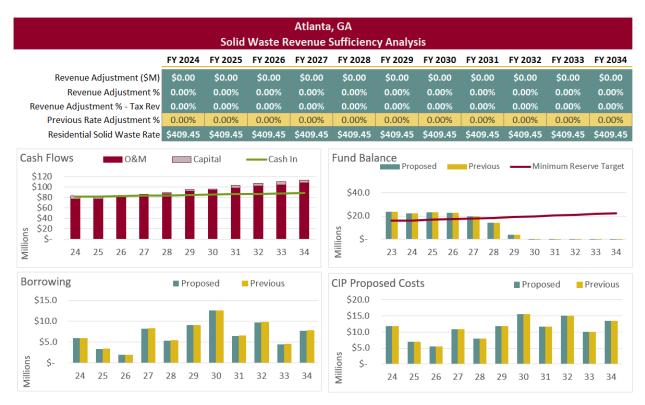


Figure 1. 10 Year Financial Projection – Status Quo

*The above table represents the City's fund balance should no rate increase be implemented. Annual cost escalation factors were used to project the City's non-rate revenues and expenses. These escalators are as follows:

Cost Escalation	Factors	Source
Salaries	3.06%	Employment Cost Index - South Atlantic Census Division
Operations & Maintenance:	3.58%	Consumer Price Index for All Urban Consumers - Atlanta GA)
Capital Outlay:	3.55%	US Consumer Price Index - Motor Vehicle Maintenance and Repair
CIP:	3.41%	Engineering News Record - Construction Cost Index
No Escalation:	0.00%	

Rate revenues were projected based on future growth which was calculated using historical data supplied by the City and future rate increases.

2.6 RECOMMENDED REVENUE ADJUSTMENT PLAN

The fund balance graph presented in **Figure 2** reflects the comparison of the City's status quo with no revenue increases (in yellow) and the fund balance (in blue) with the increases required to remain financially sustainable throughout the projection period. The study concluded that an increase of 3.50% in FY 2025 followed by increases of 2.00% thereafter will be sufficient for the City to meet its financial requirements throughout the projection period.

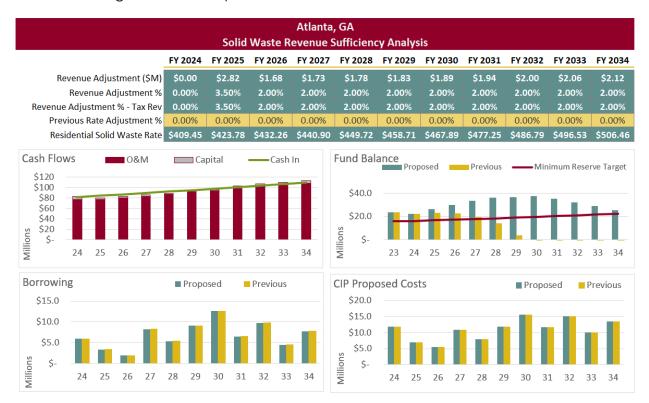


Figure 2. Comparison of Status Quo with Revenue Increases

Rate revenues were projected based on future growth which was calculated using historical data supplied by the City and future rate increases.

Cost Escalation	Factors	Source
Salaries	3.06%	Employment Cost Index - South Atlantic Census Division
Operations & Maintenance:	3.58%	Consumer Price Index for All Urban Consumers - Atlanta GA)
Capital Outlay:	3.55%	US Consumer Price Index - Motor Vehicle Maintenance and Repair

^{*}The table above represents the City's fund balance with the recommended rate plan of 3.50% in FY 2025 followed by 2.00% increases. Annual cost escalation factors were used to project the City's non-rate revenues and expenses. These escalators are as follows:

Cost Escalation	Factors	Source
CIP: 3.41%		Engineering News Record - Construction Cost Index
No Escalation:	0.00%	

It is important to note that this rate plan assumes that the General Fund is continuing to fund the cost of special services, as authorized in Ordinance 22-0-1281, among other revenue sources stated hereafter.

2.7 SCENARIO ANALYSIS

The subsections below reflect the assumptions used in the analysis, each operational change the City is considering, and the net costs associated with each. The operational changes will have an effect on the need for additional revenues, however, the above revenue adjustment plan does not include these scenarios, since it is not confirmed which scenarios will be implemented, any potential synergies between scenarios, nor in which fiscal year the changes will be implemented.

It is important to note the following:

- Scenario assumptions and inputs are based on discussions and data provided by City Staff as well as industry information and/or knowledge (ex: max stops per route based on truck capacity).
- Calculations are based on the above information.
- Final annual cost savings will be determined once the City decides which scenarios will be incorporated, and in which fiscal year.

To the extent that these scenarios generate cost savings, this may reduce the level of revenue increases required in future years. The Annual Net Cost (Savings) is shown for each scenario. The following subsections describe the data collected and analyzed, City staff input, and assumptions. Detailed calculations for each scenario are provided in **Appendix B**.

2.7.1 Data Analysis, Assumptions, and Staff Input

City staff provided detailed route data from its Rubicon software system. This system was implemented this year, so the analysis was based upon 2 months of detailed data for each trip.

Based on route data, industry experience, the number of trucks in the field, and staff input regarding time to collect, the analysis assumes the following:

Time to Leave Route, Tip, and Return Relative Time to Collect

1.00	1.00
1.00	2.00

Based on route data and relative time to collect, our scenario analyses described herein assume the following regarding collection routes:

Average Stops/Hour Average Lbs/Stop Average Trip Time Average Trip Miles

	Yard
MSW	Trimming
132.00	66.00
57.00	94.00
3.80	3.60
21.40	27.40

Based on estimated set outs and route data, the containers in the field are assumed as follows:

		Set Out	Containers in Field
	Set Outs	Rate	(Rounded)
Total Household Stops/Week - MSW	60,000	60%	100,000
Total Household Stops/Week - Yard Trimmings	26,000	60%	43,000

Based on staff input regarding average hourly rates for drivers and helpers and benefits cost of approximately 40%, the analysis assumes the following for labor costs:

		WIIII	
	Base	Benefits	Overtime
Hourly Rate for Drivers	\$22.00	\$30.80	\$33.00
Hourly Rate for Helpers	\$16.25	\$22.75	\$24.38
Benefits Multiplier	40%		

Based on City staff input regarding the current five-day work week and average overtime, the analysis assumes the following:

Hours of Regular Route Time	
Hours of Overtime	
% of Employees Working Overtime	

6	8
2	0
15%	0%

It is important to note that, while the five-day to four-day work week scenario uses this information, the City's current operations are a five-day work week, and all other scenarios assume this current level of time in the field and overtime expense.

The City acknowledges that its repair and maintenance costs are high. However, the City has since developed a vehicle replacement program to ensure that all equipment is replaced at the end of its recommended useful life. For example, useful life of a collection vehicle is usually assumed to be approximately seven years, but the average age of the City's RL fleet is over eight years, with many vehicles 10 - 13 years old. For the purposes of this analysis and to be conservative, we assume that collections vehicles are currently used for eight years, with a recommended life of seven years.

Based on industry experience, local data, vehicle specifications, and City staff input, the analysis assumes the following regarding cart/truck/fuel costs and use:

				Weight
	Cost	Life	MPG	(Tons)
Cost/Useful Life - RL Truck	\$380,000	8	8	12.5
Cost/Useful Life - ASL Truck	\$390,000	8	8	13.5
Cost/Useful Life - Repair Truck	\$35,000	7	25	
Cart Price	\$54.00	10		
Regular Fuel/Gallon	\$2.75			
Diesel Fuel/Gallon	\$3.14			

To estimate the City's current repair and maintenance (R&M) cost for each piece of equipment we divided the City's projected FY 2025 repair and maintenance costs by the total count of equipment in City inventory:

Current R&M Cost/Vehicle (Rounded)	\$23,000
Vehicles in City Inventory	268
Budgeted Repair & Maintenance Cost (Rounded)	\$6,075,000

As stated, this is the average for all vehicles in the fleet, which includes other pieces of equipment such as street sweepers, knuckle booms, and pickup trucks, but this average cost is still high relative to our industry experience. The analysis assumes an annual repair and maintenance cost of \$15,000 per year for an adequately maintained collections vehicle.

2.7.2 Scenario A – 5 Day to 4 Day Work Week

The City's current Municipal Solid Waste (MSW) and Yard Trimming collection operations are performed in a five-day work week. This entails an eight-hour work day, with approximately 15% of employees performing 2 hours of overtime per day, requiring 21 trucks, 21 drivers, and 42 helpers for MSW collection routes. For Yard Trimming collection routes, this requires 20 trucks, 20 drivers, and 40 helpers. The City wants to test the effects of switching to a four-day work week, consisting of 10-hour days assuming no overtime. For MSW routes, based on calculations of maximum stops/route based on maximum truck tonnage, a four-day work week creates the need for an increase in containers collected per day, which increases total routes/trucks to 25, 25 drivers, and 50 helpers, which is an increase of 4 trucks, 4 drivers, and 8 helpers. For Yard Trimming routes, based on calculations of maximum stops/route based on maximum truck tonnage, a four-day work week creates the need for an increase in containers collected per day, which increases total routes/trucks to 22, 22 drivers, and 44 helpers, which is an increase of 2 trucks, 2 drivers, and 4 helpers. There are also associated increases in fuel, and vehicle repairs associated with these additional trucks.

As mentioned before, a significant change like moving from 5 day a week service to 4 day a week service will impact at a minimum 25% of the resident's collection days and may in fact impact significantly greater number of households as staff attempts to balance and equalize the routes.

May

A change as significant as this might benefit from starting this in one or two smaller areas and 'test-drive" the financial assumption presented below.

The Annual Net Cost (Savings) for this scenario is shown below:

Scenario A - 5 Day Week to 4 Day Week

	٨	ΛSW	Yard Tri	mming
	5 Day	4 Day	5 Day	4 Day
Trips Needed/Day	27	34	27	31
Trucks Needed	21	25	20	22
Staff	63	75	60	66
Annual Truck Cost	\$1,000,000	\$1,190,000	\$950,000	\$1,045,000
Total Annual Labor Cost	\$3,485,000	\$3,975,000	\$3,305,000	\$3,500,000
Annual Fuel Cost	\$60,000	\$75,000	\$80,000	\$85,000
R&M Cost	\$485,000	\$575,000	\$460,000	\$510,000
Total Estimated Cost	\$5,030,000	\$5,815,000	\$4,795,000	\$5,140,000
Total Estimated Cost (Savings)		\$785,000	_	\$345,000

For MSW, there is an increase of approximately \$785,000 in costs, and an increase of approximately \$345,000 for Yard Trimming.

Aside from costs, this scenario can provide changes in worker quality of life, efficiency, and dedication, due to a reduction in working days per week. This could result in some potential savings in the long-term due to reduced turnover and associated costs of onboarding and training new staff, as well as increased efficiency from staff that are more experienced.

2.7.3 Scenario B – Rear Load to Automated Side Load for Solid Waste and/or Yard Trimming Collection

Solid waste and yard trimming collection is currently performed mostly with RL collections vehicles. Each RL vehicle requires one driver and two helpers. The City wants to test the effect of switching 75% of their RL to automated side load (ASL) vehicles, which reduces the total staff needed per truck from one driver and two helpers to one driver and one helper, reducing labor costs.

Besides the saving in labor, the city can expect significant savings in worker injuries and workers compensation due to the fact the truck hydraulic arm will do the majority of the lifting instead of the employees. While the financial savings may be difficult to assess without any field results, many jurisdictions across the US have experienced significant downturns in employee injuries and benefitted from related cost savings as a result. The automated service approach also has the benefit of allowing personnel who are older to stay on the job longer without the difficult physical demands of lifting 10 to 12 tons of yard waste each and every day.

Additionally, the capacity of a RL vehicle is 12.5 tons, but 13.5 tons for ASL trucks, decreasing the number of trucks required for the same tonnage capacity.

Labor Cost Comparison

		MSW			Yard Trimmi	ng
% of Trucks Converting to ASL 75%	Current All RL	Proposed RL	Proposed ASL	Current All RL	Proposed RL	Proposed ASL
Tons/Truck	12.5	12.5	13.5	12.5	12.5	13.5
Total Tons (Capacity)	250	63	189	250	63	189
Trucks Required	20	5	14	20	5	14
Drivers/Truck	1	1	1	1	1	1
Helpers/Truck	2	2	1	2	2	1
Total Staff Required	60	15	28	60	15	28

In total, staff is reduced by one truck, one driver, and 16 helpers for both MSW and Yard Trimming routes. The Annual Net Cost (Savings) for this scenario is shown below:

Scenario B - Rear Load to Automated Side Load - MSW

		MSW	
	Current All RL	Proposed RL	Proposed ASL
Total Annual Labor Cost Annual Truck Cost	\$3,390,000 \$950,000	\$850,000 \$237,500	\$1,665,000 \$682,500
Total Estimated Cost	\$4,340,000	\$1,087,500	\$2,347,500
Total Estimated Cost (Savings)			(\$905,000)

Scenario B - Rear Load to Automated Side Load - Yard Trimming - Year 1

		Yard Trimming	g
	Current	Proposed	Proposed
	All RL	RL	ASL
Initial Cart Cost			\$4,050,000
Labor for Cart Roll Out			\$251,250
Annual Cost/Truck	\$3,390,000	\$850,000	\$1,665,000
Trucks	\$950,000	\$237,500	\$682,500
Total Estimated Cost	\$4,340,000	\$1,087,500	\$6,648,750
Total Estimated Cost (Savings)			\$3,396,250

Scenario B - Rear Load to Automated Side Load - Yard Trimming - Future

		Yard Trimming	g
	Current All RL	Proposed RL	Proposed ASL
Annual Cost/Truck Trucks	\$3,390,000 \$950,000	\$850,000 \$237,500	\$1,665,000 \$682,500
Total Estimated Cost	\$4,340,000	\$1,087,500	\$2,347,500
Total Estimated Cost (Savings)			(\$905,000)

This scenario results in an annual net labor savings of \$875,000 and vehicle purchase cost savings of \$30,000 per year for MSW. After year one for Yard Trimming, which contains an initial cart roll out, this scenario recognizes the same savings as MSW.

2.7.4 Scenario C – Yard Trimming Collection Weekly to Biweekly

The City transitioned to a biweekly collection schedule during COVID. This scenario assumes that the City will perform weekly collection in two zones, collecting each zone every other week. The scenario also assumes that the amount of yard trimmings at each stop will increase and, therefore, require longer time to collect at each stop. Overall, however, the necessary trucks/routes per day still decreases from 20 to 17, requiring three fewer trucks, three fewer drivers, and 6 fewer helpers, and there will be less vehicle fuel and repair expense.

One of the key considerations to factor in will be the default size of the cart to be provided. Most jurisdictions in the US, both public and private, set the default size of the cart to be 96 gallons. With the average size lots in mature "treed" communities, this size cart has proven to handle most residents yard waste generation. The city can also offer for those residents who require more service a second cart since this proves to be more efficient than handling extra bags placed at the curb. With the switch to every other week this would be an essential element that again could be piloted in areas of the city with the most deciduous trees and landscaping.

The primary driver for cost savings is that the City will no longer have to hire contract workers to assist in providing this service, an amount estimated to be approximately \$1.84 million in FY 2025. The Annual Net Cost (Savings) for this scenario is shown below:

Scenario C - Weekly to Biweekly Yard Trimming Collection

	Yard Trimming				
	Weekly	Biweekly			
Trips Needed/Day	27	21			
Trucks Needed	20	17			
Staff	60	51			
Contract Labor		(\$1,840,000)			
Annual Truck Cost	\$950,000	\$810,000			
Total Annual Labor Cost	\$3,305,000	\$2,810,000			
Annual Fuel Cost	\$80,000	\$50,000			
R&M Cost	\$460,000	\$395,000			
Total Estimated Cost	\$4,795,000	\$2,225,000			
Total Estimated Cost (Savings)		(\$2,570,000)			

In total, the annual net savings for this scenario is approximately \$1.8 million in contract labor and \$730,000 in other operational costs.

It is important to note, however, that yard waste collection is cyclical, and the data analyzed was during parts of August-October, some of the "slower" months of the year. The table below shows the yard waste tonnages collected from residents and delivered to the Hartsfield Transfer Station in 2023.

Hartsfield Monthly Tonnages Received

Year	Month	SWS YT Collected	% of Total
2023	January	1,105	15.2%
2023	February	827	11.4%
2023	March	681	9.4%
2023	A pril	558	7.7%
2023	May	589	8.1%
2023	June	395	5.4%
2023	July	454	6.3%
2023	August	589	8.1%
2023	September	229	3.2%
2023	October	392	5.4%
2023	November	875	12.1%
2023	December	559	7.7%
2023	Total	7,253	100.0%

In busier months, tonnages can be three (3) times greater than in slower months, making the predictability of pounds per stop or set outs less reliable. During these busier times, the City may require additional routes/trucks/staff to accommodate the increased amount of yard trimmings. This is the case whether collection is weekly or biweekly, but should be considered before removing routes and associated vehicles and staff.

2.7.5 Scenario D – Yard Trimming Collection Loose to Carts

The City wants to maximize the efficiency of its yard trimming collections by switching from loose material collection to 100% ASL collection in carts. This method will allow the City's collection operations to be more efficient based on average collection time per household for carts instead of manual yard trimming collection by helpers. Less time per stop means that more stops are completed per trip, so fewer trips are required, resulting in a decrease in drivers and vehicles needed.

An additional benefit to this scenario is primarily qualitative. Moving to automated collection means that the helpers will no longer physically collect the yard trimmings, reducing potential injury. This risk mitigation also creates a reduction in Worker's Compensation claims and costs over time.

The net cost in the first year is anticipated to be approximately \$4.7 million, because of the initial cart investment of approximately \$5.4 million. The City will perform a one-year cart roll out consisting of approximately 100,000 carts at \$54 each. It is assumed that the City will hire contracted drivers and helpers to distribute these carts for one year.

Scenario D - Loose Yard Trimming Collection to Collection in Carts - 1st Year

	Yard 1	rimming	
	Loose	Carts	
Trips Needed/Day	27	24	
Total Staff Required	60	46	
Additional Annual Labor Cost (Savings)	\$0	\$335,000	
Additional Annual Truck Cost (Savings)	\$950,000	\$975,000	
Total Annual Labor Cost	\$3,390,000	\$2,380,000	
Annual Fuel Cost (Rounded)	\$80,000	\$75,000	
Additional Annual R&M Cost (Savings)	\$420,000	\$420,000	
Initial Cart Cost	\$0	\$5,400,000	
Total Estimated Cost	\$4,840,000	\$9,585,000	
otal Estimated Cost (Savings) \$4,745,			

However, after this one-time large cart expense, annual savings will be approximately \$450,000. This includes approximately \$540,000 per year in assumed cart replacements (one tenth of carts in the field are assumed to be replaced each year, as they have a 10-year assumed useful life).

Scenario D - Loose Yard Trimming Collection to Collection in Carts - Future Years

	Yard T	rimming
	Loose	Carts
Trips Needed/Day	27	24
Total Staff Required	60	40
Additional Annual Cart Cost (Savings)	\$0	\$540,000
Total Annual Labor Cost	\$3,390,000	\$2,380,000
Annual Truck Cost	\$950,000	\$975,000
Annual Fuel Cost	\$80,000	\$75,000
R&M Cost	\$420,000	\$420,000
Total Estimated Cost	\$4,840,000	\$4,390,000
Total Estimated Cost (Savings)		(\$450,000)

As discussed in the prior section, yard trimmings are seasonal, and considerably busier in winter and spring months than the rest of the year. As a result, during busier months the City may require additional routes/trucks/staff if there are more pounds per stop or more set outs than other times of the year. This can make the ability to predict routes needed and anticipated savings less reliable than if there was not such marked seasonality to the operations.

2.7.6 Scenario E – Cart Repair and Maintenance

Currently, when a customer's cart breaks or needs maintenance, the City disposes of and replaces this cart, rather than repairing it. However, savings are anticipated through an effective cart R&M program. Since carts would be repaired, this increases the useful life from approximately 7 years currently to 10 years. This scenario requires costs for cart parts/materials, two employees, two vehicles to use for traveling to cart locations, and associated vehicle fuel and repairs.

The Net Cost (Savings) for this scenario is shown below:

Scenario E - Cart Repairs & Maintenance

	Current	with Cart R&M
Additional Staff Required	0	2
Additional Trucks Required	0	2
Annual Cart Cost	\$775,000	\$540,000
Annual Supply Cost	\$0	\$25,000
Annual Truck Cost	\$0	\$10,000
Annual Labor Cost	\$20,000	\$100,000
Annual Fuel Cost	\$0	\$5,000
R&M Cost	\$0	\$5,000
Total Estimated Cost	\$795,000	\$685,000
Total Estimated Cost (Savings)		(\$110,000)

However, the City should also consider contracting out its cart delivery and repair function. Many large public operations (example: City of Chicago) and large private haulers (WM, Republic, Waste Connections) utilize independent companies to repair carts, and manage their deliveries and inventory, as this is a very specialized service that utilizes proprietary technology to fix and repair carts. Specifically, this is an area of opportunity for the City to partner with a private operator of cart maintenance, repair, and delivery services. Many private large publicly traded and privately held companies as well as many public collection operations make use of this type of supplemental service to be provided by this niche service provider. Typically cart repairs can be performed efficiently with specialized, patented equipment utilized by these companies. This saves tens of thousands of dollars annually in repairs versus replacement. The vendors would also manage the warranty service provision of the cart manufacturers and make sure the city of Atlanta receives the full warranty for the carts delivered. This cart service line is one that can easily end up being a larger cost center than projected due to the movement of carts and conditions in the field,

2.7.7 Scenario F – Reduce Vehicle Downtime

The recommended useful life of a collection vehicle is approximately 7 years. The City currently has a fleet that averages more than 8 years in life, incurring additional repair and maintenance costs.

This scenario assumes that the City will follow a strict vehicle replacement plan for all of its fleet, minimizing the annual cost needed for repair and maintenance as the vehicles age. The scenario assumes that the average cost of annual repairs and maintenance per vehicle will reduce from \$23,000 to \$15,000 as the aging fleet is replaced. The savings are anticipated to average approximately \$1.4 million per year.

Scenario F - Reduce Vehicle Maintenance Expense

	Current	w Adequate Vehicle Replacements
Total V RP Total R&M	\$4,575,000 \$6,075,000	\$5,200,000 \$4,025,000
Total Estimated Cost	\$10,650,000	\$9,225,000
Total Estimated Cost (Savings)		(\$1,425,000)

The City should perform an extensive audit of its maintenance and repair operations, emphasizing pre and post trip inspections for its fleet. The City will need to document how many road calls are occurring in first hour of operations, since this means defects were not caught by the driver or mechanic inspections. A program of listing common repairs should be established and a plan of focusing on those repairs should be emphasized for pre and post trip inspections, otherwise the savings anticipated herein will not likely be realized.

2.7.8 Scenario Summary

The table below represents a summary of the scenarios described and detailed above. It is highly important to note, this does NOT represent the actual annual net cost savings should all of these scenarios be combined.

Scenario Summary

Annual Net Cost (Savings)	Current	Proposed	Cost (Savings)
5-Day Week to 4-Day Week - MSW	\$5,030,000	\$5,815,000	\$785,000
5-Day Week to 4-Day Week - Yard Trimmings	\$4,795,000	\$5,140,000	\$345,000
Rear Load to Automated Side Load Vehicles - MSW	\$4,340,000	\$3,435,000	(\$905,000)
Rear Load to Automated Side Load Vehicles - Yard Trimmings	\$4,340,000	\$3,435,000	(\$905,000)
Weekly to Biweekly Yard Trimmings Collection	\$4,795,000	\$2,225,000	(\$2,570,000)
Loose Yard Trimmings to Carts/Automated Side Load Collection	\$4,880,000	\$4,430,000	(\$450,000)
Cart Repair & Maintenance Program	\$795,000	\$685,000	(\$110,000)
Reduce Vehicle Maintenance Expense	\$10,650,000	\$9,225,000	(\$1,425,000)
Total Scenario Cost (Savings)			(\$5,235,000)

The City will, at a minimum, need to determine the following:

- Which scenario/s will be implemented?
- In which fiscal year will each scenario be implemented?
- Are there potential staffing or operational synergies or complications from implementing various programs simultaneously?

Once these determinations have been made, the City can better analyze the operational changes and anticipated net cost or savings on an annual basis, which will affect the revenue adjustment plan required.

2.7.8.1 General Assumption Factors

The assumptions utilized here by SCS are taken from general solid waste industry collection practices and metrics. They are based on the "generally accepted" best industry practices that large scale public and private collection operations utilize. However, solid waste and recycling collection is a highly localized operation, with many significant environmental and geographical conditions that need to be factored into baseline operational metrics. While there are many metrics that that be evaluated across different operations, they need to be processed through the local environmental and geographical factors present in that specific operation. Each city is unique and these assessments and recommendations are based on general standards and practices. SCS would recommend that operational audits for routing data, collection efficiencies, safety, and maintenance practices be performed as the City of Atlanta considers these significant operational shifts in their practices. The City should consider the following:

- Perform route and billing audits during the process for delivery of carts to confirm and reestablish the levels of service at each household. (Applies to scenarios for cart repair or yard trimming collection in carts)
- Perform a complete maintenance audit to evaluate the significant costs currently
 associated with this cost center and evaluate operational changes that can work on
 preventative maintenance measures that can potentially reduce this cost.
- Develop operational metrics centered around collection efficiency and customer service that can help City tell their story about operational improvements that are being established with the pending operational changes.
- Host a series of neighborhood outreach meetings prior to the operational changes in the field to help anticipate potential misunderstandings or roadblocks to a smooth transition to new service requirements for City residents.
- Develop a pilot program for a small number of households (10%) that can be evaluated for any changes to the larger program implementation prior to the full-scale roll-out.

3.0 COST OF SERVICE ANALYSIS UPDATE

3.1 DESCRIPTION

The Cost of Service Analysis (COSA) performed for the solid waste utility uses the results of the RSA to allocate costs from DPW SWS's projected expenses to the City's functions and various customer classes. The costs were allocated into 25 cost center pools:

Garbage Collection

Backyard Collection Solid Waste

Bulk Rubbish Collection

Yard Trimming Processing

Recycling

Bin Delivery Recycling

Trash Receptacle Collection

Unsheltered Encampment Cleanup

Dead Animal Collection

Lot Clearing

Solid Waste Education & Enforcement Team (SWEET)

Fortification

Special Event Cleanup

Multi-Family / Dumpster Collection

Yard Trimming Collection

Bin Delivery Solid Waste

Post-Closure Care

Backyard Collection Recycling

Street Sweeping

Damaged Cart Replacements

Illegal Sign Removal

Right of Way Grass Mowing

Illegal Dumping

Keep Atlanta Beautiful Community Cleanup

3.2 SOURCE DATA

The following presents the key source financial data relied upon in conducting the COSA:

3.2.1 FY 2025 Projected Operating Expenses

The COSA uses the FY 2025 projected expenses from the RSA as the basis for the costs to be apportioned between the cost center pools. The operating expenditures include all O&M expenses (including personal services, fixed and variable operations and maintenance costs, transfers, and minor capital outlay), and debt service requirements related to the provision of solid waste service to the City's served residents and businesses.

3.2.2 Capital Improvement Program

The COSA includes the City's 5-year average cash funded capital costs from its CIP for FY 2024 – FY 2028 as provided by City staff and used in the RSA. The CIP, averaging about \$3.6 million during this period, consists of landfill closure activity, and facility repairs and upgrades.

3.3 ALLOCATION OF COSTS

Described below are the methods used to allocate expenses to cost center pools.

3.3.1 Direct Allocation

Where possible, costs were directly assigned to these cost center pools.

3.3.2 Indirect Allocation

In the case that items supported more than one cost pool, we attempt to identify proper allocation criteria to apportion the line item cost to each cost pool. For example, personal services costs are often allocated based upon the number of employees or based upon a workflow analysis of where each employee spends their time.

3.3.3 Staff Estimate

If certain cost items supported more than one cost pool but a specific allocation criterion could not be identified, we discussed with City staff the appropriate allocation percentages and used DPW SWS staff estimates or data provided by City staff to apportion the costs.

3.3.4 Weighted Average

For cost items that supported more than one cost pool, a specific allocation criterion could not be identified, and staff did not have an estimate as to the allocation percentage, the weighted average of the allocation of all other costs was used to allocate those costs. This weighted allocation is primarily used for administrative and overhead costs, as it is appropriate to allocate such costs based upon the weighted average of the allocation of all other costs for which they are responsible.

3.4 COSA RESULTS

In total, the City's FY 2025 projected revenue requirement totaled approximately \$79.8 million. These costs are subject to change based on market conditions. The apportionment of expenses incurred by DPW SWS to each cost center pool are shown in **Figures 3 and 4**.

Figure 3. Cost of Service Summary – Solid Waste

Cost of Service Summary - Solid Waste

Service Fees	Expenses	%
Garbage Collection	\$ 17,170,618	29.7%
Yard Trimming Collection	\$ 10,043,384	17.4%
Recycling	\$ 8,103,010	14.0%
Post-Closure Care	\$ 7,454,217	12.9%
Multi-Family / Dumpster Collection	\$ 6,021,651	10.4%
Bulk Rubbish Collection	\$ 2,836,428	4.9%
Backyard Collection Solid Waste	\$ 2,685,027	4.6%
Yard Trimming Processing	\$ 2,119,782	3.7%
Backyard Collection Recycling	\$ 878,862	1.5%
Damaged Cart Replacements	\$ 477,778	0.8%
Total	\$ 57,790,758	100.0%

Figure 4. Cost of Service Summary – Special Services

Cost of Service Summary - Special Services

Service Fees	Expenses				
Street Sweeping	\$	8,247,694	37.3%		
ROW Grass Mowing	\$	4,143,100	18.7%		
Trash Receptacle Collection	\$	2,069,338	9.4%		
Lot Clearing	\$	1,836,599	8.3%		
Keep Atlanta Beautiful	\$	803,276	3.6%		
Dead Animal Collection	\$	738,173	3.3%		
Illegal Dumping	\$	722,938	3.3%		
SWEET	\$	694,007	3.1%		
Special Event Cleanup	\$	473,423	2.1%		
Bin Delivery	\$	940,809	4.3%		
Community Cleanup	\$	380,233	1.7%		
Fortification	\$	365,284	1.7%		
Unsheltered Encampment Cleanups	\$	365,284	1.7%		
Illegal Sign Removal	\$	326,808	1.5%		
Damaged Cart Replacements	\$	2,138	0.0%		
Total	\$	22,109,105	100.0%		

^{**}Data sources for the above two tables include FY 2025 expense projections from the revenue sufficiency analysis. Each line item is allocated to the City's cost center pools (shown above). Methods of allocation include direct allocation, where costs were assigned to a direct cost center pool, indirect allocation, for example, personal services, employee hours, equipment cost, equipment hours or, weighted averages, if a specific allocation criterion could not be identified.

^{***}In addition, these costs are recovered in various components of the solid waste rates and through General Fund payments to DPW SWS. The General Fund is to fund the cost of certain services and exemptions. The funding includes other revenue, which is comprised of approximately \$500,000 in City solid waste collection services, and \$1.8 million in tax exemptions (30% of the solid waste bills for exempted persons).

4.0 CONCLUSIONS & RECOMMENDATIONS

4.1 RECOMMENDATIONS

Based upon the results of the study described herein, SCS finds that the City's current rates are not sufficient to fund all of its ongoing operations, capital, and reserve requirements. Therefore, a financial management plan was developed for the City, including the recommended FY 2025 revenue adjustment presented in **Figure 5**.

Figure 5. FY 2025 Revenue Adjustment Recommendation

FY 2025 Revenue Adjustment Recommendation

Revenue Adjustment %

3.50%

The recommended FY 2025 revenue adjustment of 3.50% is due to both internal and external factors. External factors include inflation impacting labor and assets and supply chain disruptions and internal factors include expenses exceeding revenues and not implementing recommended rate increases in prior years. In addition, the \$26.7 million in revenue for Special Services and Other Revenue will need to increase along with the above revenue adjustment plan each year.

It should be noted that the recommended revenue adjustment of 3.50% for FY 2025 is partially reflective of CPI, which currently exceeds 3%. It should be further noted that this study excludes future expenses for the following:

- Recent cost of living adjustments (COLA)
- Relocation of the Yard Waste Transfer Station
- Updating the Solid Waste Master Plan

To place the recommended revenue adjustment for solid waste collection services into context, Gwinnett County, GA implemented a 14% rate increase in FY 2024 and the City of Augusta, GA implemented a 38% rate increase in FY 2024. It is also important to note that the CPI for trash collections increased by 5.3% in February 2023.

Lastly, as a best practice and to reflect any operational changes undertaken by the City, SCS recommends that the City update the revenue sufficiency analysis portion of this study every 1-2 years to be sure that the recommended rate plan continues to be sufficient to fund the DPW SWS's operations while meeting all of its financial policies and goals.

Atlanta, GA Solid Waste Revenue Sufficiency Analysis

Appendix A

Results as of Mar 21, 2024



Schedule 1 - Model Results

Schedule 2 - Model Assumptions & Inputs

Schedule 3 - Trial Balances as of Jun 30, 2023

Schedule 4 - Cash In

Schedule 5 - Cash Out

Schedule 6 - Pro Forma

Schedule 7 - Capital Improvement Plan

Schedule 8 - Borrowing

Schedule 9 - Summary of Funds

Schedule 10 - Vehicle Replacement Program

Schedule 11 - Additional Employees

SCS ENGINEERS

Management Services

Schedule 1 - Model Results

Atlanta, GA Solid Waste Revenue Sufficiency Analysis FY 2024 FY 2025 FY 2026 FY 2027 FY 2028 FY 2029 FY 2030 FY 2031 FY 2032 FY 2033 FY 2034 Revenue Adjustment (\$M) \$2.12 \$1.73 \$1.89 \$1.94 \$2.06 \$0.00 \$2.82 \$1.68 \$1.78 \$1.83 \$2.00 Revenue Adjustment % 0.00% 3.50% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% Revenue Adjustment % - Tax Rev 0.00% 3.50% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% Previous Rate Adjustment % 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% Residential Solid Waste Rate \$409.45 \$423.78 \$440.90 \$449.72 \$458.71 \$477.25 \$486.79 \$496.53 \$506.46 \$432.26 \$467.89 Cash Flows Fund Balance M&0 Capital Capital -Cash In Previous Minimum Reserve Target \$120 \$100 \$40.0 \$80 \$60 \$20.0 \$40 Millions \$20 Š-\$-25 26 27 28 29 30 31 32 33 24 25 26 27 28 29 30 31 32 33 Borrowing ■ Proposed CIP Funding Previous Proposed Previous \$15.0 \$20.0 \$15.0 \$10.0 \$10.0 \$5.0 \$5.0 Millions Millions \$-\$-31 32 33 25 26 27 28 29 30 24 25 26 27 28 29 30 31 32 33 34

Schedule 2 - Model Assumptions & Inputs

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Rate Revenue Adjustments											
Rate Adjustment	0.00%	3.50%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Growth											
Change in Billed Parcels	1.78%	1.12%	1.26%	1.29%	1.40%	1.30%	1.33%	1.34%	1.35%	1.34%	1.34%
Working Capital Reserve Target	;										
Percent of Annual O&M Expense	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%
Cost Escalation Factors											
Salaries	N/A	3.06%	3.06%	3.06%	3.06%	3.06%	3.06%	3.06%	3.06%	3.06%	3.06%
O&M	N/A	3.58%	3.58%	3.58%	3.58%	3.58%	3.58%	3.58%	3.58%	3.58%	3.58%
CO	N/A	3.55%	3.55%	3.55%	3.55%	3.55%	3.55%	3.55%	3.55%	3.55%	3.55%
No Escalation	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Interest Assumptions											
Interest Earnings on Fund Balances	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
CIP											
CIP Escalation	0.00%	3.41%	3.41%	3.41%	3.41%	3.41%	3.41%	3.41%	3.41%	3.41%	3.41%
Borrowing Assumptions											
Short-Term Debt Rate	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%
Short-Term Borrowing Assumptions											
Debt Svc Coverage	0.00										
Interest Only in 1st Year	N										
Term (Years)	6										
Debt Service Reserve (Years)	0										
Cost of Issuance	2.00%										

Schedule 3 - Trial Balances as of Jun 30, 2023

	Solid Waste Services Fund	e Solid Waste R&E Fund
Assets		
1119039-A/R - Solid Waste 1119301-Allowance-Uncollectible	\$ 43,412,666 (11,445,33	
Total Assets	\$ 31,967,33	7 -
Liabilities		
1211001-Ap Liabilities	\$ (2,874,63	9) (114,963)
1211002-Uninvoiced Receipts	(1,600,15	0) (892,857)
1211006-A/P Accrual	(3,296,21	6) (2,525)
1212001-Accrued Salaries	(634,09	
Total Liabilities	\$ (8,405,10	0) (1,010,345)
Net Assets	\$ 23,562,23	6 (1,010,345)
Total Available Fund Balance	\$ 23,562,23	6 (1,010,345)

Schedule 4 - Cash In

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Rate Revenues			·		·		·				
Solid Waste Collection											
Solid Waste Collections	\$ 53,244,155	55,723,878	57,554,374	59,464,894	61,505,366	63,551,041	65,687,273	67,902,143	70,196,855	72,558,056	75,004,235
Special Services	24,383,997	25,237,437	25,742,186	26,257,030	26,782,170	27,317,814	27,864,170	28,421,453	28,989,882	29,569,680	30,161,074
Other Revenue	2,304,662	2,385,325	2,433,032	2,481,692	2,531,326	2,581,953	2,633,592	2,686,264	2,739,989	2,794,789	2,850,684
Total Rate Revenues	\$ 79,932,814	83,346,641	85,729,591	88,203,616	90,818,862	93,450,808	96,185,035	99,009,860	101,926,726	104,922,524	108,015,993
Other Operating Revenues											
Penalties And Interest-Personal Prop Delinquent	\$ 1,041,983	1,090,510	1,126,333	1,163,722	1,203,654	1,243,687	1,285,493	1,328,838	1,373,745	1,419,954	1,467,825
Recycling, Paper	33,616	33,616	33,616	33,616	33,616	33,616	33,616	33,616	33,616	33,616	33,616
Total Other Operating Revenues	\$ 1,075,599	1,124,126	1,159,949	1,197,338	1,237,270	1,277,303	1,319,109	1,362,454	1,407,361	1,453,570	1,501,441
Interest Earnings											
Interest Earnings	\$ 56,887	59,976	69,885	79,082	86,778	90,431	92,200	90,821	83,730	75,656	67,411
Total Interest Earnings	\$ 56,887	59,976	69,885	79,082	86,778	90,431	92,200	90,821	83,730	75,656	67,411
Total Cash In	\$ 81,065,299	84,530,743	86,959,426	89,480,036	92,142,910	94,818,541	97,596,344	100,463,135	103,417,817	106,451,750	109,584,845

		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Personal Services Execution	Department											
Salaries, Regular	Exe Sustainability 01-Jun - 13	\$ 72,557	74,777	77,064	79,422	81,851	84,355	86,936	89,596	92,337	95,161	98,073
Gp Life Ins Cont-Emp	Exe Sustainability 01-Jun - 13	48	49	51	53	54	56	58	59	61	63	65
Gp Health Ins ContEmp	Exe Sustainability 01-Jun - 13	10,152	10,463	10,783	11,113	11,452	11,803	12,164	12,536	12,920	13,315	13,722
Medicare Contribution	Exe Sustainability 01-Jun - 13	1,092	1,125	1,160	1,195	1,232	1,270	1,308	1,348	1,390	1,432	1,476
Defined Contribution	Exe Sustainability 01-Jun - 13	2,520	2,597	2,677	2,758	2,843	2,930	3,019	3,112	3,207	3,305	3,406
Deferred Comp 2011	Exe Sustainability 01-Jun - 13	36	37	38	39	41	42	43	44	46	47	49
Comp, Retention Bonus	AIM - Chief Information Officer	117	121	124	128	132	136	140	144	149	153	158
Salaries, Regular	AIM - IT Infrastructure	10,650	10,976	11,312	11,658	12,014	12,382	12,761	13,151	13,553	13,968	14,395
Gp Life Ins Cont-Emp	AIM - IT Infrastructure	12 1,524	12	13 1,619	13	14	14 1,772	14	15 1,882	15	16	16 2,060
Gp Health Ins ContEmp Medicare Contribution	AIM - IT Infrastructure AIM - IT Infrastructure	1,524	1,571 186	1,619	1,668 197	1,719 203	209	1,826 216	1,882	1,939 229	1,999 236	2,060
Defined Contribution	AIM - IT Infrastructure	420	433	446	460	474	488	503	519	534	551	568
Salaries, Regular	DPW - Commissioner of Public Works	280.306	288.881	297,719	306,826	316,213	325.886	335,856	346,131	356,719	367,632	378.879
Gp Life Ins Cont-Emp	DPW - Commissioner of Public Works	180	186	191	197	203	209	216	222	229	236	243
Gp Health Ins ContEmp	DPW - Commissioner of Public Works	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(3)	(3)	(3)
Medicare Contribution	DPW - Commissioner of Public Works	3,768	3,883	4,002	4,124	4,251	4,381	4,515	4,653	4,795	4,942	5,093
Defined Contribution	DPW - Commissioner of Public Works	8,700	8,966	9,240	9,523	9,814	10,115	10,424	10,743	11,072	11,410	11,759
Salaries, Regular	DPW - Public Works Administration	843,010	868,799	895,378	922,769	950,998	980,092	1,010,075	1,040,975	1,072,820	1,105,640	1,139,464
Gp Life Ins Cont-Emp	DPW - Public Works Administration	636	655	676	696	717	739	762	785	809	834	860
Gp Health Ins ContEmp	DPW - Public Works Administration	90,753	93,529	96,391	99,339	102,378	105,510	108,738	112,065	115,493	119,026	122,667
Medicare Contribution	DPW - Public Works Administration	13,164	13,567	13,982	14,409	14,850	15,305	15,773	16,255	16,753	17,265	17,793
Pen Cont Gen Emp Pen Fd	DPW - Public Works Administration	141,528	145,858	150,320	154,918	159,658	164,542	169,576	174,763	180,110	185,619	191,298
Defined Contribution	DPW - Public Works Administration	25,764	26,552	27,364	28,202	29,064	29,953	30,870	31,814	32,787	33,790	34,824
Salaries, Regular	DPW - Safety & Risk Management	369,852	381,167	392,827	404,845	417,230	429,994	443,148	456,705	470,676	485,075	499,915
Overtime Expense	DPW - Safety & Risk Management	6,720	6,926	7,137	7,356	7,581	7,813	8,052	8,298	8,552	8,814	9,083
Gp Life Ins Cont-Emp	DPW - Safety & Risk Management	216	223	229	236	244	251	259	267	275	283	292
Gp Health Ins ContEmp	DPW - Safety & Risk Management	51,294	52,863	54,480	56,147	57,865	59,635	61,459	63,339	65,277	67,274	69,332
Medicare Contribution	DPW - Safety & Risk Management	4,416	4,551	4,690	4,834	4,982	5,134	5,291	5,453	5,620	5,792	5,969
Pen Cont Gen Emp Pen Fd	DPW - Safety & Risk Management	71,244	73,424	75,670	77,985	80,370	82,829	85,363	87,974	90,666	93,439	96,298
Defined Contribution	DPW - Safety & Risk Management	7,788	8,026	8,272	8,525	8,786	9,054	9,331	9,617	9,911	10,214	10,527
Emp Reimb Wc Medical Exp	DPW - Safety & Risk Management	24	25	25	26	27	28	29	30	31	31	32
W/C - Service Providers	DPW - Safety & Risk Management	2,148	2,214	2,281	2,351	2,423	2,497	2,574	2,652	2,734	2,817	2,903
Salaries, Regular	DPW - Communications	109,529	112,880	116,333	119,892	123,560	127,339	131,235	135,250	139,387	143,652	148,046
Gp Life Ins Cont-Emp	DPW - Communications	168	173	178	184	190	195	201	207	214	220	227
Gp Health Ins ContEmp	DPW - Communications	24,462	25,210	25,982	26,776	27,596	28,440	29,310	30,206	31,131	32,083	33,064
Medicare Contribution	DPW - Communications	3,564	3,673	3,785	3,901	4,021	4,144	4,270	4,401	4,536	4,674	4,817
Pen Cont Gen Emp Pen Fd	DPW - Communications	26,364	27,171	28,002	28,858	29,741	30,651	31,589	32,555	33,551	34,577	35,635
Defined Contribution	DPW - Communications	8,232	8,484	8,743 2,516	9,011	9,287 2,672	9,571 2,754	9,863	10,165 2,925	10,476	10,797	11,127
Gp Health Ins ContEmp	DPW - Transportation Design	2,369	2,441 65,030	67,020	2,593		, .	2,838	2,925 77,918	3,015	3,107	3,202
Salaries, Regular	DPW - Fleet Services Administration	63,100			69,070	71,183	73,361	75,605		80,302	82,758	85,290
Salaries, Regular Overtime Expense	DPW - Solid Waste Administration DPW - Solid Waste Administration	1,147,003 34,301	1,182,092 35,350	1,218,255 36,432	1,255,524 37,546	1,293,933 38,695	1,333,517 39,879	1,374,312 41,099	1,416,355 42,356	1,459,684 43,652	1,504,339 44,987	1,550,360 46,363
Overtime expense Overtime, Holiday-Regular	DPW - Solid Waste Administration	10,248	10,562	10,885	11,218	11,561	11,914	12,279	12,655	13,042	13,441	13,852
Gp Life Ins Cont-Emp	DPW - Solid Waste Administration	972	1,002	1,032	1,064	1,097	1,130	1.165	1,200	1,237	1,275	1,314
Gp Health Ins ContEmp	DPW - Solid Waste Administration	118,377	121,998	125,731	129,577	133,541	137,626	141,837	146,176	150,647	155,256	160,006
Medicare Contribution	DPW - Solid Waste Administration	20,076	20,690	21,323	21.975	22,648	23,341	24,055	24,790	25,549	26,330	27,136
Pen Cont Gen Emp Pen Fd	DPW - Solid Waste Administration	162,072	167,030	172,140	177,406	182,833	188,426	194,191	200,132	206,254	212,564	219,066
Defined Contribution	DPW - Solid Waste Administration	37,560	38,709	39,893	41,114	42,371	43,668	45,004	46,380	47,799	49,261	50,768
Emp Reimb Wc Medical Exp	DPW - Solid Waste Administration	156	161	166	171	176	181	187	193	199	205	211
W/C - Service Providers	DPW - Solid Waste Administration	33.564	34.591	35,649	36.740	37.864	39.022	40.216	41.446	42,714	44.020	45.367
Salaries, Extra Help	DPW - Customer Service	15,000	15,459	15,932	16,419	16,921	17,439	17,973	18,522	19,089	19,673	20,275
Overtime Expense	DPW - Customer Service	4,536	4,675	4,818	4,965	5,117	5,274	5,435	5,601	5,773	5,949	6,131
Gp Life Ins Cont-Emp	DPW - Customer Service	96	99	102	105	108	112	115	119	122	126	130
Gp Health Ins ContEmp	DPW - Customer Service	15,780	16,263	16,760	17,273	17,801	18,346	18,907	19,486	20,082	20,696	21,329
Medicare Contribution	DPW - Customer Service	2,004	2,065	2,128	2,194	2,261	2,330	2,401	2,475	2,550	2,628	2,709
Pen Cont Gen Emp Pen Fd	DPW - Customer Service	13,092	13,493	13,905	14,331	14,769	15,221	15,687	16,166	16,661	17,171	17,696
Defined Contribution	DPW - Customer Service	2,748	2,832	2,919	3,008	3,100	3,195	3,293	3,393	3,497	3,604	3,714
Salaries, Regular	DPW - Solid Waste Collection - Curbside	4,275,219	4,406,007	4,540,796	4,679,708	4,822,870	4,970,412	5,122,467	5,279,174	5,440,674	5,607,116	5,778,649
Salaries, Extra Help	DPW - Solid Waste Collection - Curbside	274,144	282,531	291,174	300,081	309,262	318,723	328,473	338,522	348,878	359,551	370,550
Gp Life Ins Cont-Emp	DPW - Solid Waste Collection - Curbside	2,532	2,609	2,689	2,772	2,856	2,944	3,034	3,127	3,222	3,321	3,422
Gp Health Ins ContEmp	DPW - Solid Waste Collection - Curbside	722,077	744,167	766,932	790,394	814,574	839,494	865,176	891,643	918,920	947,032	976,004
Medicare Contribution	DPW - Solid Waste Collection - Curbside	52,332	53,933	55,583	57,283	59,036	60,842	62,703	64,621	66,598	68,635	70,735
Pen Cont Gen Emp Pen Fd	DPW - Solid Waste Collection - Curbside	508,296	523,846	539,871	556,387	573,408	590,950	609,028	627,660	646,861	666,650	687,044
Defined Contribution	DPW - Solid Waste Collection - Curbside	101,796	104,910	108,120	111,427	114,836	118,349	121,970	125,701	129,546	133,509	137,594
Worker Comp, Inc Pay	DPW - Solid Waste Collection - Curbside	131,080	135,090	139,223	143,482	147,871	152,395	157,057	161,862	166,813	171,917	177,176
Workers Comp, Ioj Pay	DPW - Solid Waste Collection - Curbside	8,424	8,682	8,947	9,221	9,503	9,794	10,093	10,402	10,720	11,048	11,386
Emp Reimb Wc Medical Exp	DPW - Solid Waste Collection - Curbside	1,896	1,954	2,014	2,075	2,139	2,204	2,272	2,341	2,413	2,487	2,563

March Processor March Processor Controlled 1903-18 1913-75			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Seven Spills One Selection (1999) One Sele	W/C - Service Providers	DPW - Solid Waste Collection - Curbside	306,348	315,720	325,378	335,332	345,591	356,163	367,059	378,288	389,861	401,787	414,079
Section for fire 1979 Section Section 1979 Sect		DPW - Solid Collection - Backyard											
System S													
Section Control from Prof. 1979 1970		•											
Proceedings Procedure Pr													
Perfect Communities		•											
Control of Part Control of	· · · · · · · · · · · · · · · · · · ·		,	-,		,				, .	.,		
Work Control Provided Pro-Static Celebrate - Relayment Solid S						-			-	-	-	-	-
Salaries, Repaired 1909-5 and Collections - Markel-Well 120,000 131,007 131,		DPW - Solid Collection - Backyard	504	519	535	552	569	586	604	622	641	661	681
go per formitmer professor sometiment professor som	W/C - Service Providers	DPW - Solid Collection - Backyard	6,396	6,592	6,793	7,001	7,215	7,436	7,664	7,898	8,140	8,389	8,645
Part													
Medicare Contribution Per Sold Coloction Multi Family Part Contribution Part C	·												
Section from power of the Controlland Part 19.00	-p	,	-,-	- ,	,-	,	,-	. , .	. ,	. ,	, .		
Perfect Communication Perfect Confession Perf													7,688
Worker Comp. (in Pay Own - Select Option - Full Hearthy \$3.98 \$9.007 \$8,000 \$9.007 \$10,000		,		,									
Page		,											
Salleste, Expelse GPW - But Machine Celestrons 701.00 72.7557 74.4867 767.441 700.000 415.101 700.000 415.101 700.000 700.		,											
Salarene Composition Com	W/C - Service Providers	DPW - Solid Collection - Multi-Family	190,836	196,674	202,691	208,891	215,282	221,868	228,655	235,650	242,859	250,289	257,946
Geometry Compute Com	Salaries, Regular	DPW - Bulk Rubbish Collections	701,109	722,557	744,662	767,443	790,920	815,116	840,052	865,751	892,236	919,532	947,662
General Process	Salaries, Extra Help												
Medican Contribution 1974 - Mile Rubobh Collections 11,088 11,477 12,137 12,137 12,138 13,248 13,247 13,247 13,247 12,147	- F												
Per force (Gen Emp Pen Fer for DPW Buk Rubbish Collections 15,093 15,098 190,124 129,590 201,914 201,127 21,0014 222,002 234,717 241,935										,			
Defined Contribution DPA*- suk Rubbin Collections 4,039 4,116 4,845 4,747 4,615 4,757 4,921 5,032 5,032 5,036 5,236 5,236 5,036													
Work-Service Providers DPW Bulk Rubbin Collections 4,091 4,216 4,915 5,130 5,130 5,536 5,536 5,5													
Wilson W							-, -				-,		
Gel Line Scanfering Solid Waster Public Education 1,8,7 ml 1,52 ml 1,5													
Medicare Contribution Solid Waster Public Education 6.44 6.45 6.61 6.86													
Perforce Cent Emp Per Fid Solid Waste Public Education 3,422 3,939 4,060 4,184 4,432 4,444 4,580 4,770 4,864 5,013 5,165	Gp Health Ins ContEmp	Solid Waste Public Education	14,874	15,329	15,798	16,282	16,780	17,293	17,822	18,367	18,929	19,508	20,105
Defined Contribution Solid Waste Public Education 3,822 3,939 4,060 4,184 4,312 4,444 4,580 4,70 4,844 5,013 5,166 5,841 5,674 5,141	Medicare Contribution	Solid Waste Public Education	1,447				1,633		1,734	1,787		1,898	
Solid Waste Public Education 3,000 3,092 3,186 3,284 3,384 3,384 3,385 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,818 3,935 3,706 3,906													
Salines, Extra Help													
Overtime Expense DPW - Yard Trimming Collections 219,232 225,899 223,872 239,996 247,338 254,905 262,703 279,739 279,022 287,558 266,345 Overtime, Holidal-Pregular DPW - Yard Trimming Collections 1,536 1,538 1,631 1,681 1,733 1,786 1,840 1,897 1,955 2,015 2,076 6,016 6,016 1,681 1,733 1,786 1,840 1,897 1,955 2,015 2,076 6,016 6,016 1,950 1,950 2,076 6,048 1,950 1,950 4,016 4,300 4,016 4,300 8,000 42,011 4,016 4,000 4,000 4,000 4,000 4,000 4,000 6,000 6,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 6,000 6,000 7,000 7,000 7,000 7,000													
Overtime, Holiday-Regular Dev - Yard Trimming Collections 4,368 46,728 48,152 49,625 51,143 52,708 54,812 55,982 57,695 59,460 61,729													
Gp Health Ins Cont-Emp DPW - Yard Trimming Collections 1,536 1,581 1,681 1,783 1,786 1,840 1,870 1,955 2,015 2,076													
Gb) Health Ins ContEmp PPW - Yard Trimming Collections 379,911 382,248 393,941 40,959 418,143 431,213 444,405 458,000 472,011 484,613 501,338 Pen Cont Gen Emp Pen Fd DPW - Yard Trimming Collections 414,800 427,400 440,657 454,055 462,951 492,004 512,208 527,877 544,06 500,656 DPW - Yard Trimming Collections 114,800 427,400 440,567 454,045 467,935 482,251 497,004 512,208 527,877 544,056 560,656 66,2511 64,423 66,334 68,342 70,519 72,676 74,899 77,719 Worker Comp, Inc Pay DPW - Yard Trimming Collections 114,092 117,582 121,179 124,887 125,076 132,644 136,702 140,884 154,194 149,636 154,214 Workers Comp, Inc Pay DPW - Yard Trimming Collections 4.8 49 51 53 54 56 58 99 61 63 65 58 99 61 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td>									,				
Medicare Contribution DPW - Yard Trimming Collections 31,872 32,847 33,882 34,887 35,955 37,055 38,188 39,357 40,561 41,801 43,080													
Defined Contribution DPW - Yard Trimming Collections 11,002 117,552 121,179 124,887 127,070 126,644 136,702 140,884 141,5194 149,536 142,124 Workers Comp, jol Pay DPW - Yard Trimming Collections 16,440 16,943 17,461 17,995 18,546 19,113 19,698 20,301 20,922 21,562 22,221 150,500 150,000	Medicare Contribution	DPW - Yard Trimming Collections	31,872	32,847	33,852	34,887		37,055	38,188	39,357	40,561	41,801	43,080
Worker Comp., Inc Pay DPW - Yard Trimming Collections 114,092 117,582 121,179 124,887 128,707 132,644 136,702 140,884 1,194 19,636 154,214 Workers Comp., Io Pay DPW - Yard Trimming Collections 48 49 51 53 54 56 58 59 61 63 65 W/C - Service Providers DPW - Yard Trimming Collections 83,340 85,890 85,17 91,225 94,016 96,892 99,856 102,911 106,059 190,304 112,644 54 56 58 59 61 63 65 58 59 61 63 65 58 59 61 63 65 58 59 61 63 65 58 59 99,856 10,94 490,34 43,183 448,084 461,792 475,919 490,479 505,833 50,947 36,884 93,20 50,615 9,99 10,212 10,555 10,847 11,179 11,523 11,879 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>. ,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>						. ,							
Workers Comp. Io Pay DPW - Yard Trimming Collections 16,440 16,943 17,461 17,995 18,546 19,113 19,988 20,301 20,922 21,552 22,221 15,969 16,165 16,36		•											
Emp Relmb Wc Medical Exp DPW - Yard Trimming Collections 8 8 8 9 51 53 54 56 58 59 16 1 63 55 M/C - Service Providers DPW - Yard Trimming Collections 8 3 3.40 8 58,800 8 88,517 9 12,225 94,016 96,892 99,856 102,911 106,059 109,304 112,647 Salaries, Regular DPW - Yard Trimming Processing 6 9,000 71,11 73,286 75,528 77,839 80,220 82,674 85,203 87,810 90,496 93,265 Overtime, Fulloy, Pegas Pega							-, -					.,	
W/C-Service Providers DPW - Yard Trimming Processing 397,203 499,354 421,877 434,783 448,084 461,792 475,919 499,479 505,483 520,947 536,884 50,000 71,111 73,286 75,528 77,839 80,20 82,674 85,203 87,810 90,496 93,265 94,016 94,000													
Salaries, Regular DPW - Yard Trimming Processing 397,203 499,354 421,877 443,783 448,084 461,792 475,919 490,479 505,483 520,947 536,884 Overtime, Holiday-Regular DPW - Yard Trimming Processing 8,784 9,053 9,330 9,615 9,909 10,212 10,525 10,847 11,179 11,521 11,873 Gp Life Ins Cont-Emp DPW - Yard Trimming Processing 144 148 153 158 162 167 173 178 183 189 195 Gh Health Ins Cont-Emp DPW - Yard Trimming Processing 47,349 48,798 50,290 51,829 53,414 55,048 56,732 58,468 60,257 62,100 66,000 Medicare Contribution DPW - Yard Trimming Processing 3,060 3,154 3,250 3,350 3,452 3,558 3,666 3,779 3,894 40,13 4,133 4,146 50,929 69,483 2,476 2,510 66,000 66,881 66,794 50,742 59,009													
Overtime Expense DPW - Yard Trimming Processing 69,00 71,111 73,286 75,528 77,839 80,220 82,674 85,203 87,810 90,466 93,265 Overtime, Holiday-Regular DPW - Yard Trimming Processing 8,784 9,053 9,330 9,615 9,909 10,212 10,525 10,847 11,179 11,521 11,873 Gp Health ins Cont-Emp DPW - Yard Trimming Processing 44 148 153 158 162 167 173 178 183 189 195 Gp Health ins Cont-Emp DPW - Yard Trimming Processing 43,09 48,798 50,290 51,829 53,414 55,048 56,732 58,468 60,257 62,100 64,000 Medicare Contribution DPW - Yard Trimming Processing 49,416 59,228 52,486 54,091 55,746 57,452 59,209 61,020 62,887 64,811 66,794 Defined Contribution DPW - Yard Trimming Processing 1,037 11,669 11,024 11,361 11,709 12,067 </td <td></td>													
Overtime, Holiday-Regular DPW - Yard Trimming Processing 8,784 9,053 9,330 9,615 9,909 10,212 10,525 10,847 11,179 11,521 11,873 Gp Health Ins ContEmp DPW - Yard Trimming Processing 47,349 48,798 50,290 51,829 53,414 55,048 56,722 58,468 60,257 62,000 64,000 Medicare Contribution DPW - Yard Trimming Processing 43,060 3,154 3,250 3,350 3,452 3,558 3,666 3,779 3,894 4,013 4,136 Pen Cont Gen Emp Pen Fd DPW - Yard Trimming Processing 49,416 50,928 52,486 54,091 55,746 57,452 59,099 61,020 62,887 64,811 66,794 Defined Contribution DPW - Yard Trimming Processing 1,092 1,125 1,160 1,195 1,232 1,270 1,308 1,348 1,390 1,432 1,476 Workers Comp, Inc Pay DPW - Yard Trimming Processing 1,788 1,843 1,899 1,957 2,017													
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Medicare Contribution DPW - Yard Trimming Processing 3,060 3,154 3,250 3,350 3,452 3,558 3,666 3,779 3,894 4,013 4,136 Pen Cont Gen Emp Pen Fd DPW - Yard Trimming Processing 49,416 50,928 52,486 54,091 55,746 57,452 59,209 61,020 62,887 64,811 66,794 Defined Contribution DPW - Yard Trimming Processing 1,092 1,125 1,160 1,195 1,232 1,270 1,308 1,348 1,390 1,412 1,402 Worker Comp, Inc Pay DPW - Yard Trimming Processing 1,788 1,843 1,899 1,957 2,017 2,079 2,142 2,208 2,275 2,345 2,417 Workers Comp, Jo Pay DPW - Yard Trimming Processing 1,788 1,843 1,899 1,957 2,017 2,079 2,142 2,208 2,275 2,345 2,417 Wor- Service Providers DPW - Landfill Closure & Post Closure 177,447 182,875 188,470 194,236 200,178 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
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Defined Contribution DPW - Yard Trimming Processing 1,092 1,125 1,160 1,195 1,232 1,270 1,308 1,348 1,390 1,432 1,476 Worker Comp, Inc Pay DPW - Yard Trimming Processing 10,379 10,697 11,024 11,361 11,709 12,067 12,436 12,816 13,208 13,612 14,029 Workers Comp, Iol Pay DPW - Yard Trimming Processing 1,788 1,843 1,899 1,957 2,017 2,079 2,142 2,208 2,275 2,345 2,417 W/C - Service Providers DPW - Yard Trimming Processing 12,740 23,436 24,153 1,899 1,957 2,017 2,079 2,142 2,208 2,275 2,345 2,417 W/C - Service Providers DPW - Yard Trimming Processing 12,740 23,436 24,153 24,891 25,653 26,438 27,247 28,080 28,939 29,824 30,737 Salaries, Regular DPW - Landfill Closure & Post Closure 177,447 182,875 188,470 194,236 200,178 206,302 212,613 219,117 225,820 232,729 239,848 Overtime Expense DPW - Landfill Closure & Post Closure 34,025 35,066 36,139 37,244 38,384 39,558 40,768 42,015 43,300 44,625 45,990 Overtime, Holiday-Regular DPW - Landfill Closure & Post Closure 6,060 6,245 6,436 6,633 6,836 7,045 7,261 7,483 7,712 7,948 8,191 GP Lie Ins ContEmp DPW - Landfill Closure & Post Closure 10,8 111 115 118 122 126 129 133 137 142 146 GP Health Ins ContEmp DPW - Landfill Closure & Post Closure 2,304 2,374 2,474 2,522 2,599 2,679 2,761 2,845 2,932 33,530 34,556 35,613 36,702 37,825 38,982 40,175 41,404 42,671 Medicare Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,682 3,795 3,911 4,030 4,154 4,878 95,082 2,679 2,679 2,761 2,845 2,932 3,455 2,584,740 2,582 2,584,740 2,582 2,584,740 2,582 2,583 2,585 3,911 4,030 4,154 4,878 95,082 2,584,740 2,584													
Worker Comp, Inc Pay DPW - Yard Trimming Processing 10,379 10,697 11,024 11,361 11,709 12,067 12,436 12,816 13,208 13,612 14,029 Workers Comp, Io Pay DPW - Yard Trimming Processing 1,788 1,843 1,899 1,957 2,017 2,079 2,142 2,208 2,275 2,345 2,417 W/C - Service Providers DPW - Vard Trimming Processing 22,740 23,436 24,153 24,891 2,565 26,438 2,724 28,080 28,939 2,9824 3,073 Salaries, Regular DPW - Landfill Closure & Post Closure 177,447 182,875 188,470 194,236 20,178 206,302 212,613 219,117 225,820 232,729 239,848 Overtime, Expense DPW - Landfill Closure & Post Closure 34,025 35,066 36,139 37,244 38,384 39,558 40,768 42,015 43,300 44,625 48,990 Overtime, Holiday-Regular DPW - Landfill Closure & Post Closure 6,060 6,245 6,436 6,63	·	0 0											
Workers Comp, Io] Pay DPW - Yard Trimming Processing 1,788 1,843 1,899 1,957 2,017 2,079 2,142 2,208 2,275 2,345 2,417 W/C - Service Providers DPW - Vard Trimming Processing 22,740 23,346 24,153 24,891 25,653 26,438 27,247 28,080 28,939 29,824 30,737 32,938 32,9		0 0							-,	-,		-,	, .
W/C - Service Providers DPW - Yard Trimming Processing 22,740 23,436 24,153 24,891 25,653 26,438 27,247 28,080 28,939 29,824 30,737 Salaries, Regular DPW - Landfill Closure & Post Closure 177,447 182,875 188,470 194,256 200,178 206,302 212,613 219,117 225,820 232,729 239,898 Overtime Expense DPW - Landfill Closure & Post Closure 34,025 35,066 36,139 37,244 38,384 39,558 40,768 42,015 43,300 44,625 45,989 Overtime, Holiday-Regular DPW - Landfill Closure & Post Closure 6,060 6,245 6,436 6,633 6,836 7,045 7,261 7,483 7,712 7,948 8,191 Gp Health Ins Cont-Emp DPW - Landfill Closure & Post Closure 31,569 32,535 33,530 34,556 35,613 36,702 37,825 38,982 40,175 41,404 42,611 Medicare Contribution DPW - Landfill Closure & Post Closure 2,304 2,374 2,447 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						,							
Salaries, Regular DPW - Landfill Closure & Post Closure 177,447 182,875 188,470 194,236 20,178 20,532 212,613 219,117 225,820 232,729 239,848 Overtime Expense DPW - Landfill Closure & Post Closure 34,025 35,066 36,139 37,244 38,384 39,558 40,768 42,015 43,300 44,625 45,990 Covertime, Polidiay-Regular DPW - Landfill Closure & Post Closure 6,060 6,245 6,436 6,633 6,833 6,833 6,833 6,833 7,045 7,261 7,483 7,712 7,484 7,694 7,694 7,495 7,295 7,									,				
Overtime, Holiday-Regular DPW - Landfill Closure & Post Closure 6,060 6,245 6,436 6,633 6,836 7,045 7,261 7,483 7,712 7,948 8,191 Gp Health Ins Cont-Emp DPW - Landfill Closure & Post Closure 110 111 115 118 122 126 129 133 137 142 146 Health Ins Cont-Emp DPW - Landfill Closure & Post Closure 31,569 32,535 33,530 34,556 35,613 36,702 37,825 38,982 40,175 41,404 42,611 Medicare Contribution DPW - Landfill Closure & Post Closure 2,304 2,374 2,447 2,522 2,599 2,679 2,761 2,845 2,932 3,022 31,121 Pen Cont Gen Emp Pen Fd DPW - Landfill Closure & Post Closure 37,200 38,338 39,511 40,720 41,965 43,249 44,572 45,936 47,341 48,789 50,282 Defined Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,													
Gp Life Ins Cont-Emp DPW - Landfill Closure & Post Closure 31,599 32,535 33,530 34,556 35,613 36,702 37,825 38,982 40,175 41,404 42,671 Medicare Contribution DPW - Landfill Closure & Post Closure 2,304 2,374 2,474 2,472 2,522 2,599 2,679 2,761 2,845 2,932 33,982 40,175 41,404 42,671 42,671 43,002 43,104 43,671 44,772 45,936 47,341 48,789 50,282 Defined Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,682 3,795 3,911 4,030 4,154 4,818 4,041 5,810 5,81aries, Regular DPW - Recycling & Collection 1,912,699 1,970,799 2,031,099 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,031,193 2,157,229 2,223,223 2,291,236 2,361,329 2,433,567 2,508,015 2,584,740									,				
Op Health Ins Cont. Emp DPW - Landfill Closure & Post Closure 31,569 32,535 33,530 34,556 35,613 36,702 37,825 38,982 40,175 41,404 42,671 Medicare Contribution DPW - Landfill Closure & Post Closure 2,304 2,374 2,447 2,522 2,599 2,679 2,761 2,845 2,932 3,022 3,114 Pen Cont Gen Emp Pen Fd DPW - Landfill Closure & Post Closure 37,200 38,338 39,511 40,720 41,965 43,249 44,572 45,936 47,341 48,789 50,282 Defined Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,682 3,795 45,936 47,341 48,789 50,282 Defined Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,682 3,795 3,911 40,300 4,134 48,789 50,282 GP Health Ins ContEmp DPW - Disposal - Landfill 7,890 8,131 8,380 8,636 8,901 <td></td>													
Medicare Contribution DPW - Landfill Closure & Post Closure 2,304 2,374 2,447 2,522 2,599 2,679 2,761 2,845 2,932 3,022 3,114 Pen Cont Gen Emp Pen Fd DPW - Landfill Closure & Post Closure 37,200 38,338 39,511 40,720 41,965 43,249 44,572 45,936 47,341 48,789 50,822 Defined Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,682 3,795 3,911 4,030 4,154 4,281 40,462 GP Health Ins ContEmp DPW - Disposal - Landfill 7,880 8,131 8,380 8,636 8,901 9,173 9,454 9,743 10,041 10,348 10,665 Salaries, Regular DPW - Recycling & Collection 1,912,69 1,970,769 2,031,059 2,031,93 2,157,229 2,232,23 2,91,236 2,361,329 2,433,567 2,508,015 2,584,740	·												
Pen Cont Gen Emp Pen Fd DPW - Landfill Closure & Post Closure 37,200 38,338 39,511 40,720 41,965 43,249 44,572 45,936 47,341 48,789 50,282 Defined Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,682 3,795 3,911 4,030 4,154 4,281 4,412 Gp Health Ins ContEmp DPW - Disposal - Landfill 7,890 8,131 8,380 8,636 8,901 9,173 9,454 9,743 10,041 10,348 41,045 Salaries, Regular DPW - Recycling & Collection 1,912,699 1,970,769 2,031,059 2,031,359 2,217,229 2,223,223 2,91,236 2,361,329 2,433,567 2,508,015 2,584,740													
Defined Contribution DPW - Landfill Closure & Post Closure 3,264 3,364 3,467 3,573 3,682 3,795 3,911 4,030 4,154 4,281 4,412 Gp Health Ins ContEmp DPW - Disposal - Landfill 7,890 8,131 8,380 8,636 8,901 9,173 9,454 9,743 10,041 10,348 10,665 Salaries, Regular DPW - Recycling & Collection 1,912,269 1,970,769 2,031,059 2,093,193 2,157,229 2,232,223 2,91,236 2,361,329 2,433,567 2,508,015 2,584,740										,			
Gp Health ins ContEmp DPW - Disposal - Landfill 7,890 8,131 8,380 8,636 8,901 9,173 9,454 9,743 10,041 10,348 10,665 Salaries, Regular DPW - Recycling & Collection 1,912,269 1,970,769 2,031,059 2,093,193 2,157,229 2,223,223 2,91,236 2,361,329 2,433,567 2,508,015 2,584,740													
Salaries, Regular DPW - Recycling & Collection 1,912,269 1,970,769 2,031,059 2,093,193 2,157,229 2,223,223 2,291,236 2,361,329 2,433,567 2,508,015 2,584,740													
Salaries, Extra Help DPW - Recycling & Collection 105,996 109,239 112,580 116,025 119,574 123,232 127,002 130,887 134,891 139,018 143,271		·											
	Salaries, Extra Help	DPW - Recycling & Collection	105,996	109,239	112,580	116,025	119,574	123,232	127,002	130,887	134,891	139,018	143,271

		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Overtime Expense	DPW - Recycling & Collection	592,092	610,205	628,873	648,111	667,938	688,372	709,431	731,134	753,501	776,552	800,308
Overtime, Holiday-Regular	DPW - Recycling & Collection	99,996	103,055	106,208	109,457	112,805	116,256	119,813	123,478	127,256	131,149	135,161
Gp Life Ins Cont-Emp	DPW - Recycling & Collection	1,212	1,249	1,287	1,327	1,367	1,409	1,452	1,497	1,542	1,590	1,638
Gp Health Ins ContEmp	DPW - Recycling & Collection	347,231	357,854	368,801	380,083	391,711	403,694	416,044	428,772	441,889	455,407	469,339
Medicare Contribution	DPW - Recycling & Collection	25,224	25,996	26,791	27,611	28,455	29,326	30,223	31,147	32,100	33,082	34,094
Pen Cont Gen Emp Pen Fd	DPW - Recycling & Collection DPW - Recycling & Collection	307,364 40,848	316,767 42,098	326,457 43,385	336,444 44,713	346,737 46,081	357,344 47,490	368,276 48,943	379,543 50,440	391,154 51,983	403,120 53,574	415,452 55,213
Defined Contribution Worker Comp, Inc Pay	DPW - Recycling & Collection DPW - Recycling & Collection	40,848 3,769	42,098 3.884	43,385	44,713	46,081	4,382	48,943 4,516	4,654	4,796	4,943	55,213 5,094
Workers Comp, Inc Pay	DPW - Recycling & Collection	15,660	16,139	16,633	17,142	17,666	18,206	18,763	19,337	19,929	20,539	21,167
Emp Reimb Wc Medical Exp	DPW - Recycling & Collection	216	223	229	236	244	251	259	267	275	283	292
W/C - Service Providers	DPW - Recycling & Collection	37,464	38,610	39,791	41,009	42,263	43,556	44,888	46,262	47,677	49,135	50,639
Gp Life Ins Cont-Emp	DPW - Street Cleaning - Mechanical	115	118	122	125	129	133	137	141	146	150	155
Gp Health Ins ContEmp	DPW - Street Cleaning - Mechanical	22,879	23,579	24,300	25,044	25,810	26,599	27,413	28,252	29,116	30,007	30,925
Medicare Contribution	DPW - Street Cleaning - Mechanical	2,997	3,089	3,183	3,281	3,381	3,484	3,591	3,701	3,814	3,931	4,051
Pen Cont Gen Emp Pen Fd	DPW - Street Cleaning - Mechanical	14,814	15,267	15,734	16,216	16,712	17,223	17,750	18,293	18,853	19,429	20,024
Defined Contribution	DPW - Street Cleaning - Mechanical	3,692	3,805	3,921	4,041	4,165	4,292	4,423	4,559	4,698	4,842	4,990
Worker Comp, Inc Pay Workers Comp, Ioj Pay	DPW - Street Cleaning - Mechanical DPW - Street Cleaning - Mechanical	6,880 1,392	7,090 1,435	7,307 1,478	7,531 1,524	7,761 1,570	7,999 1,618	8,243 1,668	8,496 1,719	8,756 1,771	9,023 1,826	9,299 1,882
W/C - Service Providers	DPW - Street Cleaning - Mechanical	13,223	13,628	14,045	1,324	14,917	15,373	15,844	16,328	16,828	17,343	17,873
Gp Life Ins Cont-Emp	DPW - Street Cleaning - Manual	175	181	186	192	198	204	210	216	223	230	237
Gp Health Ins ContEmp	DPW - Street Cleaning - Manual	39,096	40,292	41,524	42,795	44,104	45,453	46,843	48,276	49,753	51,275	52,844
Medicare Contribution	DPW - Street Cleaning - Manual	4,042	4,165	4,293	4,424	4,559	4,699	4,842	4,991	5,143	5,301	5,463
Pen Cont Gen Emp Pen Fd	DPW - Street Cleaning - Manual	21,458	22,114	22,791	23,488	24,206	24,947	25,710	26,497	27,307	28,143	29,004
Defined Contribution	DPW - Street Cleaning - Manual	7,026	7,241	7,462	7,690	7,926	8,168	8,418	8,676	8,941	9,214	9,496
Workers Comp, Ioj Pay	DPW - Street Cleaning - Manual	2,188	2,255	2,324	2,395	2,469	2,544	2,622	2,702	2,785	2,870	2,958
Gp Life Ins Cont-Emp	DPW - Trash Troopers	336	346	357	368	379	391	403	415	428	441	454
Gp Health Ins ContEmp	DPW - Trash Troopers	44,289	45,644	47,041	48,480	49,963	51,491	53,066	54,690	56,363	58,087	59,864
Medicare Contribution Pen Cont Gen Emp Pen Fd	DPW - Trash Troopers DPW - Trash Troopers	7,306 38,220	7,529 39,389	7,759 40,594	7,997 41,836	8,241 43,116	8,494 44,435	8,753 45,795	9,021 47,196	9,297 48,639	9,582 50,127	9,875 51,661
Defined Contribution	DPW - Trash Troopers	10,571	10,894	11,228	11,571	11,925	12,290	12,666	13,053	13,453	13,864	14,288
Worker Comp, Inc Pay	DPW - Trash Troopers	4,974	5,126	5,283	5,445	5,611	5,783	5,960	6,142	6,330	6,524	6,723
Workers Comp, Ioj Pay	DPW - Trash Troopers	7,757	7,994	8,238	8,490	8,750	9,018	9,294	9,578	9,871	10,173	10,484
Emp Reimb Wc Medical Exp	DPW - Trash Troopers	60	62	64	66	68	70	72	74	76	79	81
W/C - Service Providers	DPW - Trash Troopers	26,887	27,710	28,558	29,431	30,332	31,259	32,216	33,201	34,217	35,264	36,343
Gp Life Ins Cont-Emp	DPW - Street Cleaning - Center 2 Water & Sewer	6	6	6	7	7	7	7	7	8	8	8
Gp Health Ins ContEmp	DPW - Street Cleaning - Center 2 Water & Sewer	1,581	1,629	1,679	1,731	1,784	1,838	1,894	1,952	2,012	2,074	2,137
Medicare Contribution	DPW - Street Cleaning - Center 2 Water & Sewer	294	303	312	322	332	342	353	363	374	386	398
Pen Cont Gen Emp Pen Fd	DPW - Street Cleaning - Center 2 Water & Sewer	(648)	(668)	(688)	(709)	(731)	(753)	(777)	(800)	(825)	(850)	(876)
Defined Contribution Gp Life Ins Cont-Ret	DPW - Street Cleaning - Center 2 Water & Sewer NDP - Pensioners & Dependent Expenses	195 27,696	201 28,543	207 29,416	213 30,316	220 31,244	226 32,200	233 33,185	240 34,200	248 35,246	255 36,324	263 37,436
Gp Health Ins Cont-Ret	NDP - Pensioners & Dependent Expenses	1,482,301	1,527,648	1,574,382	1,622,545	1,672,182	1,723,338	1,776,058	1,830,391	1,886,387	1,944,095	2,003,569
Vendor Comm Fee Rev Coll	NDP - Fulton County	5,400	5,565	5,735	5,911	6,092	6,278	6,470	6,668	6,872	7,082	7,299
Comp, Retention Bonus	DHR - Commissioner of Human Resources	858	884	911	939	968	998	1,028	1,059	1,092	1,125	1,160
Salaries, Regular	DHR - Human Resources Management	425,294	438,305	451,713	465,532	479,774	494,451	509,577	525,166	541,232	557,790	574,854
Salaries, Extra Help	DHR - Human Resources Management	2,675	2,757	2,841	2,928	3,018	3,110	3,205	3,303	3,404	3,508	3,616
Overtime Expense	DHR - Human Resources Management	1,296	1,336	1,377	1,419	1,462	1,507	1,553	1,600	1,649	1,700	1,752
Gp Life Ins Cont-Emp	DHR - Human Resources Management	312	322	331	342	352	363	374	385	397	409	422
Gp Health Ins ContEmp Medicare Contribution	DHR - Human Resources Management DHR - Human Resources Management	44,124 6,408	45,474 6.604	46,865 6,806	48,299 7,014	49,776 7,229	51,299 7,450	52,868 7,678	54,486 7,913	56,153 8,155	57,870 8.404	59,641 8,661
Pen Cont Gen Emp Pen Fd	DHR - Human Resources Management	41,832	43,112	44,431	45,790	47,191	48,634	50,122	51,655	53,236	54,864	56,543
Defined Contribution	DHR - Human Resources Management	14,592	15.038	15.498	15,973	16,461	16.965	17.484	18.019	18.570	19.138	19.723
Deferred Comp 2011	DHR - Human Resources Management	180	186	191	197	203	209	216	222	229	236	243
Worker Comp, Inc Pay	DHR - Human Resources Management	1,086	1,119	1,153	1,189	1,225	1,263	1,301	1,341	1,382	1,424	1,468
W/C - Service Providers	DHR - Human Resources Management	11	11	12	12	12	13	13	14	14	14	15
Salaries, Regular	COA Customer Service	544,052	560,696	577,849	595,526	613,744	632,520	651,870	671,812	692,364	713,545	735,374
Comp, Retention Bonus	COA Customer Service	1,394	1,437	1,481	1,526	1,573	1,621	1,670	1,721	1,774	1,828	1,884
Overtime Expense	COA Customer Service	138	142	147	151	156 447	160	165 474	170	176 504	181	187
Gp Life Ins Cont-Emp	COA Customer Service	396 117,276	408 120,864	421 124,561	433 128,372		460 136,346	474 140,517	489 144,816	149,246	519 153,812	535 158,517
Gp Health Ins ContEmp Medicare Contribution	COA Customer Service	8.196	120,864 8.447	8,705	8.971	132,299 9,246	9,529	9,820	10,121	149,246	10,749	11,078
Pen Cont Gen Emp Pen Fd	COA Customer Service	105,732	108,967	112,300	115.736	119,276	122,925	126,686	130,561	134,555	138,672	142,914
Defined Contribution	COA Customer Service	16,572	17,079	17,601	18,140	18,695	19,267	19,856	20,464	21,090	21,735	22,400
Deferred Comp 2011	COA Customer Service	228	235	242	250	257	265	273	282	290	299	308
Salaries, Regular	Administration	74,359	76,634	78,978	81,394	83,884	86,451	89,095	91,821	94,630	97,525	100,508
Comp, Retention Bonus	Administration	103	106	109	113	116	120	123	127	131	135	139
Gp Life Ins Cont-Emp	Administration	60	62	64	66	68	70	72	74	76	79	81
Gp Health Ins ContEmp	Administration	5,076	5,231	5,391	5,556	5,726	5,901	6,082	6,268	6,460	6,657	6,861
Medicare Contribution	Administration	1,116 2,592	1,150 2,671	1,185	1,222	1,259	1,297	1,337	1,378	1,420	1,464	1,508 3,504
Defined Contribution	Administration	2,592	2,6/1	2,753	2,837	2,924	3,013	3,106	3,201	3,299	3,400	3,504

		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Repair & Maintenance-Equipment	AIM - IT Administration	99,999	103,058	106,211	109,460	112,809	116,260	119,816	123,482	127,259	131,153	135,165
Salaries, Regular	AIM - IT Applications	20,525	21,153	21,800	22,467	23,154	23,863	24,593	25,345	26,120	26,919	27,743
Gp Life Ins Cont-Emp	AIM - IT Applications	12 2,028	12 2,090	13 2,154	13 2,220	14 2,288	14 2,358	14 2,430	15 2,504	15 2,581	16 2,660	16 2,741
Gp Health Ins ContEmp Medicare Contribution	AIM - IT Applications AIM - IT Applications	2,028	2,090 322	2,154 331	342	2,288 352	2,358	2,430 374	2,504 385	2,581 397	2,660 409	422
Defined Contribution	AIM - IT Applications	720	742	765	788	812	837	863	889	916	944	973
Deferred Comp 2011	AIM - IT Applications	12	12	13	13	14	14	14	15	15	16	16
Overtime Expense	DOF - Chief Financial Officer	1,029	1,060	1,093	1,126	1,161	1,196	1,233	1,271	1,310	1,350	1,391
Worker Comp, Inc Pay	DOF - Chief Financial Officer	696	717	739	762	785	809	834	859	886	913	941
W/C - Service Providers	DOF - Chief Financial Officer	13,387	13,797	14,219	14,654	15,102	15,564	16,040	16,531	17,036	17,558	18,095
Deferred Comp 2011	Administration	36	37	38	39	41	42	43	44	46	47	49
Salaries, Regular	Fund 1001	5,695,014	5,869,236	6,048,788	6,233,833	6,424,539	6,621,079	6,823,632	7,032,381	7,247,516	7,469,232	7,697,731
CompTime COVID-19	Fund 1001	90,000	92,753	95,591	98,515	101,529	104,635	107,836	111,135	114,535	118,038	121,650
ARP Premium Pay Salaries, Extra Help	Fund 1001 Fund 1001	130,772 109.616	134,773 112.969	138,896 116.425	143,145 119.987	147,524 123.658	152,037 127,441	156,688 131.339	161,481 135.357	166,421 139.498	171,513 143.766	176,759 148,164
Overtime Expense	Fund 1001 Fund 1001	370,984	382.333	394.030	406.084	418.507	431.310	131,339 444.504	458,103	139,498 472.117	486.560	501.445
Overtime Expense Overtime, Holiday-Regular	Fund 1001	336,818	347,122	357,741	368,685	379,964	391,588	403,567	415,913	428,637	441,750	455,264
Gp Life Ins Cont-Emp	Fund 1001	101,547	104,654	107,855	111,155	114,555	118,060	121,671	125,393	129,229	133,183	137,257
Gp Health Ins ContEmp	Fund 1001	1,300,338	1,340,118	1,381,115	1,423,366	1,466,910	1,511,786	1,558,034	1,605,698	1,654,819	1,705,444	1,757,617
Medicare Contribution	Fund 1001	93,225	96,077	99,016	102,045	105,167	108,384	111,700	115,117	118,639	122,268	126,009
Pen Cont Gen Emp Pen Fd	Fund 1001	1,225,636	1,263,131	1,301,773	1,341,596	1,382,639	1,424,936	1,468,528	1,513,454	1,559,753	1,607,469	1,656,645
Defined Contribution	Fund 1001	97,451	100,432	103,505	106,671	109,934	113,297	116,763	120,336	124,017	127,811	131,721
Deferred Comp 2011	Fund 1001	888	915	943	972	1,002	1,032	1,064	1,097	1,130	1,165	1,200
Worker Comp, Inc Pay	Fund 1001	100,379	103,450	106,615	109,876	113,237	116,702	120,272	123,951	127,743	131,651	135,678
Workers Comp, Ioj Pay	Fund 1001	24,240	24,982	25,746	26,533	27,345	28,182	29,044	29,932	30,848	31,792	32,764
Emp Reimb Wc Medical Exp	Fund 1001	394	406	418	431	444	458	472	487	501	517	533 246,574
W/C - Service Providers Subtotal Personal Services Execution	Fund 1001	182,423 \$ 32,035,376	188,004 33,015,404	193,755 34,025,414	199,682 35,066,321	205,791 36,139,073	212,087 37,244,642	218,575 38,384,032	225,262 39,558,279	232,153 40,768,449	239,255 42,015,640	43,300,986
Personal Services Execution Execution		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total Personal Services Execution		\$ 32,035,376	33,015,404	34,025,414	35,066,321	36,139,073	37,244,642	38,384,032	39,558,279	40,768,449	42,015,640	43,300,986
Fixed Operations & Maintenance Execu	tion											
Postage Expense	Exe Sustainability 01-Jun - 13	\$ 12	12	13	13	14	14	15	15	16	16	17
Business Travel / Per Diem	Exe Sustainability 01-Jun - 13	252	261	270	280	290	300	311	322	334	346	358
Training Travel / Per Diem	Exe Sustainability 01-Jun - 13	1,473	1,526	1,580	1,637	1,696	1,756	1,819	1,884	1,952	2,022	2,094
Education And Train	Exe Sustainability 01-Jun - 13	24	25	26	27	28	29	30	31	32	33	34
Service Grants	Exe Sustainability 01-Jun - 13	36	37	39	40	41	43	44	46	48	49	51
Consulting / Professional Services-Technical Consulting / Professional Services-Technical	AIM - IT Applications AIM - IT Network Management	574,498 (235,560)	595,070 (243,995)	616,379 (252,732)	638,450 (261,782)	661,312 (271,156)	684,993 (280,866)	709,522 (290,923)	734,929 (301,341)	761,245 (312,132)	788,504 (323,309)	816,740 (334,886)
Consulting / Professional Services-Technical	AIM - IT Server Management	235,560	243,995	252,732	261,782	271,156	280,866	290,923	301,341	312,132	323,309	334,886
Consulting / Professional Services-Technical	DOF - Chief Financial Officer	145,206	150,406	155,791	161,370	167,149	173,134	179,334	185,755	192,407	199,297	206,433
Supplies, Consumable	DOF - Revenue & Collections	67	69	72	74	77	80	83	86	89	92	95
Consulting / Professional Services	DOF - Billings	75,543	78,248	81,050	83,952	86,959	90,072	93,298	96,639	100,099	103,684	107,396
Consulting / Professional Services-Technical	DOF - Billings	77,028	79,786	82,643	85,603	88,668	91,843	95,132	98,538	102,067	105,722	109,507
Repair & Maintenance-Equipment	DOF - Billings	3,600	3,729	3,862	4,001	4,144	4,292	4,446	4,605	4,770	4,941	5,118
Supplies, Consumable	DOF - Billings	1,212	1,255	1,300	1,347	1,395	1,445	1,497	1,550	1,606	1,663	1,723
Software (\$1,000-4,999)	DOF - Billings	804	833	863	894	925	959	993	1,029	1,065	1,103	1,143
Consulting / Professional Services	DOF - Payment Processing DPW - Commissioner of Public Works	108 7,212	112 7,470	116 7,738	120 8,015	124 8.302	129 8,599	133 8,907	138 9,226	143 9,556	148 9,899	154 10,253
Postage Expense Printing & Binding	DPW - Commissioner of Public Works	2,000	2,072	2,146	2,223	2,302	2,385	2,470	2,559	2,650	2,745	2,843
Business Travel / Per Diem	DPW - Commissioner of Public Works	15,429	15,981	16,554	17,147	17,761	18,397	19,055	19.738	20,444	21,176	21,935
Training Travel / Per Diem	DPW - Commissioner of Public Works	12,636	13,088	13,557	14,043	14,545	15,066	15,606	16,165	16,743	17,343	17,964
Education And Train	DPW - Commissioner of Public Works	228	236	245	253	262	272	282	292	302	313	324
Training / Registration	DPW - Commissioner of Public Works	1,791	1,855	1,922	1,991	2,062	2,136	2,212	2,292	2,374	2,459	2,547
Supplies, Consumable	DPW - Commissioner of Public Works	15,724	16,287	16,870	17,474	18,100	18,748	19,420	20,115	20,835	21,581	22,354
Consulting / Professional Services	DPW - Public Works Administration	9,456	9,795	10,145	10,509	10,885	11,275	11,678	12,097	12,530	12,978	13,443
Printing & Binding	DPW - Public Works Administration	648	671	695	720	746	773	800	829	859	889	921
Training / Registration	DPW - Public Works Administration	1,540	1,595	1,652	1,712	1,773	1,836	1,902	1,970	2,041	2,114	2,190
Training Travel / Per Diem	DPW - Safety & Risk Management	1,188	1,231	1,275	1,320	1,368	1,416	1,467	1,520	1,574	1,631	1,689
Memberships	DPW - Safety & Risk Management	60	62	64	67	69	72	74	77	80	82	85
Training / Registration Supplies, Consumable	DPW - Safety & Risk Management DPW - Safety & Risk Management	1,300 10,000	1,347 10,358	1,395 10,729	1,445 11,113	1,496 11.511	1,550 11,923	1,606 12,350	1,663 12,793	1,723 13,251	1,784 13,725	1,848 14,217
Consulting / Professional Services-Technical	DPW - Safety & Risk Management DPW - Communications	9,000	9,322	9,656	10,002	10,360	10,731	11,115	11,513	11,926	12,353	12,795
Printing & Binding	DPW - Communications	1,168	1,210	1,253	1,298	1,344	1,392	1,442	1,494	1,547	1,603	1,660
Memberships	DPW - Communications	996	1,032	1,069	1,107	1,147	1,188	1,230	1,274	1,320	1,367	1,416
Consulting / Professional Services	DPW - Solid Waste Administration	1,852,260	1,918,587	1,987,289	2,058,451	2,132,161	2,208,511	2,287,594	2,369,510	2,454,359	2,542,246	2,633,280
Litigation Exp	DPW - Solid Waste Administration	17,148	17,762	18,398	19,057	19,739	20,446	21,178	21,937	22,722	23,536	24,379
Consulting / Professional Services-Technical	DPW - Solid Waste Administration	280,667	290,717	301,127	311,910	323,079	334,648	346,631	359,044	371,900	385,218	399,012

Regard Abuntermace Building DIW - Sella Waste Administration 23,4696 243,411 252,327 286,138 270,527 286,73 286	26,677 27,632 28,621 29,646 46,299 47,957 49,674 51,453 44,091 45,669 47,305 48,999 40,456 41,905 43,405 44,959 1,235 1,279 1,325 1,373 118,500 122,743 127,138 131,691 37,051 38,378 39,752 41,175 77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 <td< th=""><th>4 26,677 27,632 28,621 8 46,299 47,957 49,674 46,091 45,669 47,305 43,405 2 1,235 1,279 1,325 3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 14,034 14,536 15,057 49,414 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217</th><th>25,754 44,698 42,566 39,057 1,192 114,403 35,770 75,074 8,919 5,621 23,847 143,075</th><th>24,864 43,153 41,095 37,707 1,151 110,448 34,533 72,479 8,610 5,426 23,022</th><th>24,004 41,661 39,674 36,403 1,111 106,630 33,340 69,973 8,313</th><th>23,175 40,221 38,303 35,145 1,073 102,944</th><th>22,373 38,830 36,978 33,930 1,036</th><th>21,600 37,488 35,700</th><th>DPW - Solid Waste Administration</th><th>Repair & Maintenance-Other</th></td<>	4 26,677 27,632 28,621 8 46,299 47,957 49,674 46,091 45,669 47,305 43,405 2 1,235 1,279 1,325 3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 14,034 14,536 15,057 49,414 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	25,754 44,698 42,566 39,057 1,192 114,403 35,770 75,074 8,919 5,621 23,847 143,075	24,864 43,153 41,095 37,707 1,151 110,448 34,533 72,479 8,610 5,426 23,022	24,004 41,661 39,674 36,403 1,111 106,630 33,340 69,973 8,313	23,175 40,221 38,303 35,145 1,073 102,944	22,373 38,830 36,978 33,930 1,036	21,600 37,488 35,700	DPW - Solid Waste Administration	Repair & Maintenance-Other
Spring tasse/Rental standy	46,299 47,957 49,674 51,453 44,091 45,669 47,305 48,999 40,456 41,905 43,405 44,959 1,235 1,279 1,325 1,373 118,500 122,743 127,138 131,691 37,051 38,378 39,752 41,175 77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10	8 46,299 47,957 49,674 6 44,091 45,669 47,305 7 40,456 41,905 43,405 2 1,235 1,279 1,325 3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	44,698 42,566 39,057 1,192 114,403 35,770 75,074 8,919 5,621 23,847 143,075	43,153 41,095 37,707 1,151 110,448 34,533 72,479 8,610 5,426 23,022	41,661 39,674 36,403 1,111 106,630 33,340 69,973 8,313	40,221 38,303 35,145 1,073 102,944	38,830 36,978 33,930 1,036	37,488 35,700		
Operating issue/floral skulping DPW - Solid Waste Administration 13,700 38,978 38,978 39,974 41,995 42,566 4,001 45,666 27,205 48,989 Porating Essen/Red Per Berner DPW - Solid Waste Administration 1,008 1,008 1,018 1,111 1,112 1,120 1,205	44,091 45,669 47,305 48,999 40,456 41,905 43,405 44,959 1,235 1,279 1,325 1,373 118,500 122,743 127,138 131,691 37,051 38,378 39,752 41,175 77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 <td< td=""><td>6 44,091 45,669 47,305 7 40,456 41,905 43,405 2 1,235 1,279 1,325 3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 47,064 49,414 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217</td><td>42,566 39,057 1,192 114,403 35,770 75,074 8,919 5,621 23,847 143,075</td><td>41,095 37,707 1,151 110,448 34,533 72,479 8,610 5,426 23,022</td><td>39,674 36,403 1,111 106,630 33,340 69,973 8,313</td><td>38,303 35,145 1,073 102,944</td><td>36,978 33,930 1,036</td><td>35,700</td><td>DPW - Solid Waste Administration</td><td>O</td></td<>	6 44,091 45,669 47,305 7 40,456 41,905 43,405 2 1,235 1,279 1,325 3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 47,064 49,414 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	42,566 39,057 1,192 114,403 35,770 75,074 8,919 5,621 23,847 143,075	41,095 37,707 1,151 110,448 34,533 72,479 8,610 5,426 23,022	39,674 36,403 1,111 106,630 33,340 69,973 8,313	38,303 35,145 1,073 102,944	36,978 33,930 1,036	35,700	DPW - Solid Waste Administration	O
Power spice Sear-Permis Fear-Infrants Fe	40,456 41,905 43,405 44,959 1,235 1,279 1,325 1,373 118,500 122,743 127,138 131,691 37,051 38,378 39,752 41,175 77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,38 10,294 540,354 559,703 579,745 600,505	7 40,456 41,905 43,405 2 1,235 1,279 1,325 3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 14,034 14,536 15,057 4 4,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	39,057 1,192 114,403 35,770 75,074 8,919 5,621 23,847 143,075	37,707 1,151 110,448 34,533 72,479 8,610 5,426 23,022	36,403 1,111 106,630 33,340 69,973 8,313	35,145 1,073 102,944	33,930 1,036			
Postage Expense OPW - Soled Waster Administration 1,000 1,006 1,007 1,111 1,151 1,192 1,295 1,279 1,275 1,176	1,235 1,279 1,325 1,373 118,500 122,743 127,138 131,691 37,051 38,378 39,752 41,175 77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	2 1,235 1,279 1,325 3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	1,192 114,403 35,770 75,074 8,919 5,621 23,847 143,075	1,151 110,448 34,533 72,479 8,610 5,426 23,022	1,111 106,630 33,340 69,973 8,313	1,073 102,944	1,036			
Write-file Telephone Expense DPVSolid Waste Administration 95,349 93,385 120,244 116,630 113,468 114,600 118,500 122,743 131,601 131,601 141,601 1	118,500 122,743 127,138 131,691 37,051 38,378 39,752 41,175 77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	3 118,500 122,743 127,138 0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	114,403 35,770 75,074 8,919 5,621 23,847 143,075	110,448 34,533 72,479 8,610 5,426 23,022	106,630 33,340 69,973 8,313	102,944				
Printing & Rinding Diff. Solid Waste Administration C.59.6 (6.52.1) Diff. Solid Waste Administration C.59.6 (5.52.1) Diff. Solid Waste Administration Diff. Sol	37,051 38,378 39,752 41,175 77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,388 10,294 540,354 559,703 579,745 600,505	0 37,051 38,378 39,752 4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 14,034 14,536 15,057 4 46,057 47,706 49,414 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	35,770 75,074 8,919 5,621 23,847 143,075	34,533 72,479 8,610 5,426 23,022	33,340 69,973 8,313	. , .	99 385			
Busines Travel Fee Dem DPVSolid Waste Administration 7.48 7.78 7.504 69.973 7.2479 77.072 80.547 83.431 86.419 Training Travel, Fee Dem DPVSolid Waste Administration 7.48 7.78 8.025 7.524 5.22 5.621 5.822 6.030 6.246 6.470 7.780 7.7	77,762 80,547 83,431 86,419 9,238 9,569 9,911 10,266 5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	4 77,762 80,547 83,431 9 9,238 9,569 9,911 1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	75,074 8,919 5,621 23,847 143,075	72,479 8,610 5,426 23,022	69,973 8,313		,	,		·
Training Tawel / Per Diem DPWSolid Waste Administration 7,480 7,748 8,025 8,313 8,510 8,919 9,238 9,569 9,911 10,266 Memberships DPWSolid Waste Administration 20,000 20,716 22,458 22,226 23,022 23,847 24,701 25,586 26,501 27,450 20,000 20,716 24,658 22,226 23,022 23,847 24,701 25,586 26,501 27,450 20,000 20,716 24,658 24,731 24,732 24,732 24,731 24,732 24,731 24,732 24,731 24,732 24,731 24,732 24,731 24,732 24,732 24,731 24,732 24,731 24,732 24,731 24,732 24,731 24,732 24,731 24,732	5,822 6,030 6,246 6,470 24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,388 10,294 540,354 559,703 579,745 600,505	1 5,822 6,030 6,246 7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	5,621 23,847 143,075	8,610 5,426 23,022		67,554			DPW - Solid Waste Administration	
Fraining / Registration DPW - Solid Waste Administration 19.96 12.428 138.129 138.078 138.079 138.078 138.07	24,701 25,585 26,501 27,450 148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	7 24,701 25,585 26,501 5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	23,847 143,075	23,022	5,239	8,025	7,748	7,480	DPW - Solid Waste Administration	Training Travel / Per Diem
Supplies, Consumable DPW - Solid Waste Administration 119,996 124,293 122,744 133,354 138,129 135,075 128,139 153,050 159,002 156,065 UIL, Retrictly DPW - Solid Waste Administration 11,636 11,770 12,191 12,028 13,080 13,488 14,014 14,356 15,057 15,966 Callegrify DPW - Solid Waste Administration 25,000 25,005 26,812 27,783 29,000 30,075 31,981 33,127 34,313 32,000 32,0	148,199 153,505 159,002 164,696 52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	5 148,199 153,505 159,002 9 52,618 54,503 56,454 8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	143,075						DPW - Solid Waste Administration	Memberships
UIII, Natural Gas	52,618 54,503 56,454 58,476 14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	9 52,618 54,503 56,454 8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217		132 120						
Uil, Elerciroly Division Dev Solid Waste Administration 11,858 11,707 12,191 12,628 13,080 13,548 14,034 14,936 14,536 15,057 15,596 12,000	14,034 14,536 15,057 15,596 46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	8 14,034 14,536 15,057 4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	50,799							
Caregring DPW - Solid Waste Administration 37,292 38,677 40,011 41,443 42,927 44,464 46,057 47,706 49,414 51,184 Computers (DOPH) DPW - Solid Waste Administration 25,000 25,895 62,822 27,783 28,782 29,808 30,876 31,981 33,127 34,313 Uniforms DPW - Solid Waste Administration 20,000 20,716 21,458 22,226 23,022 23,847 24,701 25,585 26,501 27,450 30,001	46,057 47,706 49,414 51,184 30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	4 46,057 47,706 49,414 8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217	12 540	-,	,	- /	,	,		
Computers (50-999) DPW - Solid Waste Administration 25,000 25,855 26,822 27,783 28,778 29,808 30,876 31,981 33,127 34,313	30,876 31,981 33,127 34,313 24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505	8 30,876 31,981 33,127 7 24,701 25,585 26,501 3 14,183 14,691 15,217								
Supplies, Non-Consumable-Small Parts DPWSolid Waste Administration 11,484 11,895 12,211 12,762 13,219 13,693 14,183 14,691 15,171 15,762	24,701 25,585 26,501 27,450 14,183 14,691 15,217 15,762 9,263 9,594 9,388 10,294 540,354 559,703 579,745 600,505	7 24,701 25,585 26,501 3 14,183 14,691 15,217	,							
Supplies, Tools DPW - Solid Waske Administration 7,500 7,769 8,047 8,335 8,833 8,942 9,263 9,948 9,938 10,294	9,263 9,594 9,938 10,294 540,354 559,703 579,745 600,505									
Motor Equip. Pm/Repairs DPW - Solid Waste Collection - Curbside 6,996 7,247 7,506 7,775 8,053 8,342 8,640 8,950 9,270 9,002	540,354 559,703 579,745 600,505	2 9.263 9.594 9.938				12,321	11,895			Supplies, Non-Consumable-Small Parts
Training Trawel / Per Dilem Consulting / Professional services DPW - Cultomer Service S,000 5,179 5,364 5,557 5,756 5,962 6,175 6,396 6,275 6,868 Consulting / Professional services DPW - Solid Waste Collection - Curbside 150,000 155,371 160,935 166,698 172,667 178,850 185,254 191,888 198,759 205,877 178,977 178,978 17		,,	8,942	8,633	8,335	8,047	7,769	7,500	DPW - Solid Waste Administration	Supplies, Tools
Consulting / Professional Services DPW - Solid Waste Collection - Curbside 6,996 7,247 7,506 7,775 8,053 8,42 8,640 8,950 9,270 9,602	6,175 6,396 6,625 6,863									
Repair & Maintenance-Building DPW - Solid Waste Collection - Curbside 150,000 155,371 160,935 166,698 172,667 178,850 185,254 191,888 198,759 205,877										
Business Travel / Per Diem DPW - Solid Waste Collection - Curbside 996 1,032 1,069 1,107 1,147 1,188 1,230 1,274 1,320 1,367										•
Training Travel / Per Diem DPW - Solid Waste Collection - Curbside 5,004 5,188 5,369 5,561 5,760 5,966 6,180 6,401 6,631 6,888 7,181 17,181 17,181 17,181 17,181 17,181 17,181 17,181 17,181 17,181 18,					,					
Training / Registration DPW - Solid Waste Collection - Curbside 3,000 3,107 3,219 3,334 3,453 3,577 3,705 3,838 3,975 4,118										
Util, Nater / Sewer DPW - Solid Waste Collection - Curbside 92,84										
Equipment (\$0-999) DPW - Solid Waste Collection - Curbside 71,688 74,255 76,914 79,668 82,521 85,476 88,537 91,707 94,991 98,393										
Motor Equip, Pm/Repairs DPW - Solid Waste Collection - Curbside 4,299,996 4,453,973 4,613,463 4,778,665 4,949,782 5,127,027 5,310,619 5,500,785 5,697,760 5,901,789										
Util, Electricity DPW - Solid Collection - Backyard 13,752 14,244 14,755 15,283 15,830 16,397 16,984 17,592 18,222 18,875 Uniforms DPW - Solid Collection - Backyard 6,732 6,973 7,223 7,481 7,749 8,027 8,314 8,612 8,920 9,240 Util, Electricity DPW - Solid Collection - Multi-Family 16,296 16,880 17,484 18,110 18,759 19,430 20,126 20,847 21,593 22,366 Uniforms DPW - Solid Collection - Multi-Family 7,212 7,470 7,738 8,015 8,302 8,599 8,907 9,226 9,556 9,899 Supplies, Tools DPW - Solid Collection - Multi-Family 540 559 579 600 622 644 667 691 716 741 Motor Equip, Fuel DPW - Solid Collection - Multi-Family 32,004 33,150 34,337 35,567 36,840 38,159 39,526 40,941 42,407 43,926 Motor Equip, Fuel DPW - Solid Collection - Multi-Family 136,658 141,552 146,620 151,871 157,309 162,942 168,777 174,820 181,080 187,565 Motor Equip, Fuel DPW - Bulk Rubbish Collections 33,020 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 291,142 301,568 312,67 323,552 335,138 347,139 339,569 372,445 385,782 399,596 Salaries, Regular DPW - Yard Trimming Collections 2,423,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,993,324 3,100,511 3,211,536 3,326,537 Business Travel / Per Diem DPW - Yard Trimming Collections 756 783 811 840 870 901 934 967 1,002 1,038 Util, Electricity DPW - Yard Trimming Collections 1,26,96 13,151 13,622 14,109 14,615 15,138 15,680 16,241 16,823 17,425 Consulting / Professional Services DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,841 2,052,435 2,125,930 2,202,056 2,280,909 2,362,585 2,447,186 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 9,210 19,888 20,610 21,348 22,113 2,2905 23,725 24,574 2,545 46,366 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 9,258 2,687 2,768 2,687 2,768 2,687 2,970 3,076 3,366 3,380 3,349 3,341							74,255			Equipment (\$0-999)
Uniforms DPW - Solid Collection - Backyard 6,732 6,732 7,223 7,481 7,749 8,07 8,314 8,612 8,920 9,240 Util, Electricity DPW - Solid Collection - Multi-Family 1,226 16,880 17,484 18,10 18,759 19,430 20,126 20,847 21,593 22,366 Uniforms DPW - Solid Collection - Multi-Family 7,212 7,470 7,738 8,015 8,302 8,599 8,907 9,226 9,556 9,899 Supplies, Tools DPW - Solid Collection - Multi-Family 32,004 33,150 15,507 16,000 622 6,44 667 691 7,16 7,41 Motor Equip, Fuel DPW - Solid Collection - Multi-Family 32,004 33,150 34,337 35,567 36,840 38,159 39,526 40,941 42,407 43,926 Motor Equip, Pm/Repairs DPW - Solid Collection - Multi-Family 136,658 141,552 146,620 151,871 157,309 162,942 168,777 174,820 181,080 187,565 Motor Equip, Pm/Repairs DPW - Solid Collection - Multi-Family 33,000 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 33,020 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 22,423,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,993,324 372,455 385,782 399,596 Salaries, Regular DPW - Yard Trimming Collections 24,23,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,993,324 3,100,511 3,211,536 3,265,77 Business Travel / Per Diem DPW - Yard Trimming Collections 7,56 783 811 840 870 901 901 934 9,57 1,002 1,003 17,415 1			-, ,-			,,	.,,	, ,		Motor Equip, Pm/Repairs
Util, Electricity DPW - Solid Collection - Multi-Family 16,296 16,880 17,484 18,110 18,759 19,430 20,126 20,847 21,593 22,366 Uniforms DPW - Solid Collection - Multi-Family 7,212 7,470 7,738 8,015 8,302 8,599 8,907 9,226 9,556 9,899 Supplies, Tools DPW - Solid Collection - Multi-Family 540 559 579 600 622 644 667 691 716 741 Motor Equip, Fuel DPW - Solid Collection - Multi-Family 32,004 33,150 34,337 35,567 36,840 38,159 39,526 40,941 42,407 43,926 Motor Equip, Fuel DPW - Bulk Rubbish Collections 33,020 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 291,142 301,568 312,367 323,552 335,138 347,139 359,599 372,445 385,782 399,596										· · · · · · · · · · · · · · · · · · ·
Uniforms DPW - Solid Collection - Multi-Family 7,212 7,470 7,738 8,015 8,302 8,599 8,907 9,226 9,556 9,899 Supplies, Tools DPW - Solid Collection - Multi-Family 32,004 33,150 34,337 35,567 36,840 38,159 39,526 40,941 42,407 43,926 Motor Equip, Fuel DPW - Solid Collection - Multi-Family 136,658 141,552 146,620 151,871 157,309 162,942 168,777 174,820 181,080 187,565 Motor Equip, Pm/Repairs DPW - Solid Collection - Multi-Family 136,658 141,552 146,620 151,871 157,309 162,942 168,777 174,820 181,080 187,565 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 33,020 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 291,142 301,568 312,367 323,552 335,138 347,139 359,569 372,445 385,782 399,596 Salaries, Regular DPW - Yard Trimming Collections 2,423,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,993,324 3,100,511 3,211,536 3,326,537 Business Travel / Per Diem DPW - Yard Trimming Collections 12 12 12 13 13 14 14 14 15 15 15 16 16 Training Travel / Per Diem DPW - Yard Trimming Collections 756 783 811 840 870 901 934 967 1,002 1,038 Util, Electricity DPW - Yard Trimming Collections 12,696 13,151 13,622 14,109 14,615 15,138 15,680 16,241 16,823 17,425 Consulting / Professional Services DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,202,056 2,280,090 2,362,585 2,447,186 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,680 2,680 2,686 40,000 2,										
Supplies, Tools DPW - Solid Collection - Multi-Family 540 559 579 600 622 644 667 691 716 741 Motor Equip, Fuel DPW - Solid Collection - Multi-Family 32,004 33,150 34,337 35,567 36,840 38,159 39,526 40,941 42,407 43,926 Motor Equip, Pm/Repairs DPW - Solid Collection - Multi-Family 136,658 141,552 146,620 151,871 157,309 162,942 168,777 174,820 181,080 43,926 Motor Equip, Fuel DPW - Bulk Rubbish Collections 33,000 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 291,142 301,568 312,367 323,552 335,138 347,139 359,569 372,445 385,782 399,596 Salariers, Regular DPW - Yard Trimming Collections 2,223,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,933,324 3,100,511										
Motor Equip, Fuel DPW - Solid Collection - Multi-Family 32,004 33,150 34,337 35,567 36,840 38,159 39,526 40,941 42,407 43,926 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 33,002 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 291,142 301,568 312,367 323,552 335,138 347,139 359,569 372,445 385,782 399,596 Salaries, Regular DPW - Bulk Rubbish Collections 2,423,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,993,324 310,511 3,11,536 332,6537 Business Travel / Per Diem DPW - Yard Trimming Collections 12 12 13 13 14 14 15 15 16 16 16 Training Travel / Per Diem DPW - Yard Trimming Collections 2,08 2,101 2,176 2,254 2,334 2,418 2,505 2,594									•	
Motor Equip, Pm/Repairs DPW - Solid Collection - Multi-Family 136,658 141,552 146,620 151,871 157,309 162,942 168,777 174,820 181,080 187,565 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 33,020 34,202 35,427 36,696 38,010 39,371 40,781 42,241 43,754 45,200 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 291,142 301,568 312,367 323,552 335,138 347,139 359,569 372,445 385,782 399,596 Salaries, Regular DPW - Yard Trimming Collections 2,423,688 2,510,477 2,600,374 2,693,489 2,789,393 2,889,843 2,993,324 3,100,511 3,211,536 3,326,537 Business Travel / Per Diem DPW - Yard Trimming Collections 12 12 13 13 14 14 15 15 16 16 Training Travel / Per Diem DPW - Yard Trimming Collections 756 783 811 840 870 901 934 967 1,002<	***									
Motor Equip, Fuel DPW- Bulk Rubbish Collections 33,020 34,202 35,427 36,696 38,010 39,371 40,781 42,21 43,754 45,320 Motor Equip, Pm/Repairs DPW - Bulk Rubbish Collections 291,142 301,568 312,677 323,552 335,138 347,139 359,569 372,445 385,782 399,596 Salaries, Regular DPW - Yard Trimming Collections 2,423,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,993,324 3,100,511 3,211,536 3,326,537 Business Travel / Per Diem DPW - Yard Trimming Collections 2,028 2,101 2,176 2,254 2,344 2,418 2,505 2,594 2,687 2,783 Training Travel / Per Diem DPW - Yard Trimming Collections 756 783 811 840 870 901 934 967 1,002 1,038 Util, Electricity DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,202,056 2,280,909 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4. 12</td>										4. 12
Salaries, Regular DPW - Yard Trimming Collections 2,423,688 2,510,477 2,600,374 2,693,489 2,789,939 2,889,843 2,993,324 3,100,511 3,211,536 3,326,537 Business Travel / Per Diem DPW - Yard Trimming Collections 12 12 13 13 14 14 15 15 16 16 Training Travel / Per Diem DPW - Yard Trimming Collections 2,028 2,101 2,176 2,254 2,334 2,418 2,505 2,594 2,687 2,783 Training Registration DPW - Yard Trimming Collections 756 783 811 840 870 901 934 967 1,002 1,038 Util, Electricity DPW - Yard Trimming Collections 12,696 13,151 13,622 14,109 14,615 15,138 15,680 16,241 16,823 17,425 Consulting / Professional Services DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,020,556 2,280,909 2,362,585	40,781 42,241 43,754 45,320	1 40,781 42,241 43,754	39,371	38,010	36,696	35,427	34,202	33,020	DPW - Bulk Rubbish Collections	
Business Travel / Per Diem DPW - Yard Trimming Collections 12 12 13 13 14 14 15 15 16 16 Training Travel / Per Diem DPW - Yard Trimming Collections 2,028 2,101 2,176 2,254 2,334 2,418 2,505 2,594 2,687 2,783 Training Registration DPW - Yard Trimming Collections 756 783 811 840 870 901 934 967 1,002 1,038 Util, Electricity DPW - Yard Trimming Collections 12,696 13,151 13,622 14,109 14,615 15,138 15,680 16,241 16,823 17,425 Consulting / Professional Services DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,202,056 2,280,099 2,362,585 2,447,186 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,672 2,768 2,867 2,970 3,076 3,186 3,00 3,419 3,541				335,138	323,552		301,568		DPW - Bulk Rubbish Collections	Motor Equip, Pm/Repairs
Training Travel / Per Diem DPW - Yard Trimming Collections 2,028 2,101 2,176 2,254 2,334 2,418 2,505 2,594 2,687 2,783 Training / Registration DPW - Yard Trimming Collections 1,766 783 811 840 870 901 934 967 1,002 1,038 Util, Electricity DPW - Yard Trimming Processing 1,826 13,151 13,622 14,109 14,615 15,138 15,680 16,241 16,823 17,425 Consulting / Professional Services DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,202,056 2,280,909 2,362,585 2,447,186 Motor Equip, Fuel DPW - Yard Trimming Processing 19,210 19,888 2,610 21,348 22,113 22,905 23,725 24,574 25,454 26,366 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,672 2,768 2,867 2,970 3,076 3,186 3,300 3,419									· ·	
Training / Registration DPW - Yard Trimming Collections 756 783 811 840 870 901 934 967 1,002 1,038 Util, Electricity DPW - Yard Trimming Collections 12,696 13,151 13,622 14,109 14,615 15,138 15,680 16,241 16,823 17,425 Consulting / Professional Services DPW - Yard Trimming Processing 1,83,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,202,056 2,280,909 2,362,585 2,471,186 Motor Equip, Fuel DPW - Yard Trimming Processing 19,200 1,9,88 20,610 21,348 22,113 23,905 23,725 24,574 25,454 26,366 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,672 2,768 2,867 2,970 3,076 3,186 3,300 3,419 3,541										
Util, Electricity DPW - Yard Trimming Collections 12,696 13,151 13,622 14,109 14,615 15,138 15,680 16,241 16,823 17,425 Consulting / Professional Services DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,202,056 2,280,099 2,362,585 2,447,186 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,672 2,768 2,867 2,970 3,076 3,186 3,300 3,419 3,541									· ·	
Consulting / Professional Services DPW - Yard Trimming Processing 1,783,000 1,846,847 1,912,980 1,981,481 2,052,435 2,125,930 2,202,056 2,280,909 2,362,585 2,447,186 Motor Equip, Fuel DPW - Yard Trimming Processing 19,210 19,898 20,610 21,348 22,113 22,905 23,725 24,574 25,454 26,366 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,672 2,768 2,867 2,970 3,076 3,186 3,300 3,419 3,541										
Motor Equip, Fuel DPW - Yard Trimming Processing 19,210 19,898 20,610 21,348 22,113 22,905 23,725 24,574 25,454 26,366 Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,672 2,768 2,867 2,970 3,076 3,186 3,300 3,419 3,541										
Motor Equip, Pm/Repairs DPW - Yard Trimming Processing 2,580 2,672 2,768 2,867 2,970 3,076 3,186 3,300 3,419 3,541										
21. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	148 154 159 165	3 148 154 159	143	138	133	129	124	120	DPW - Landfill Closure & Post Closure	Consulting / Professional Services
Consulting / Professional Services-Technical DPW - Landfill Closure & Post Closure 2,392,920 2,478,607 2,567,363 2,659,297 2,754,522 2,853,158 2,955,326 3,061,152 3,170,767 3,284,308	2,955,326 3,061,152 3,170,767 3,284,308	8 2,955,326 3,061,152 3,170,767	2,853,158	2,754,522	2,659,297	2,567,363	2,478,607	2,392,920		Consulting / Professional Services-Technical
Repair & Maintenance-Building DPW - Landfill Closure & Post Closure 8,004 8,291 8,587 8,895 9,214 9,543 9,885 10,239 10,606 10,986						-,				
Training Travel / Per Diem DPW - Landfill Closure & Post Closure 1,524 1,579 1,635 1,694 1,754 1,817 1,882 1,950 2,019 2,092										
Memberships DPW-Landfill Closure & Post Closure 500 518 536 556 576 596 618 640 663 686 Util, Electricity DPW-Landfill Closure & Post Closure 58,860 60,968 63,151 65,412 67,755 70,181 72,694 75,297 77,993 80,786										
On, Lectricity Drive Landfill Closure & Post Closure 3,0,000 00,300 03,131 03,412 07,753 70,161 72,094 73,623 77,153 00,760 03,131 03,000 03,000 03,0										
Motor Equip, Pm/Repairs DPW - Landfill Closure & Post Closure 31,644 32,777 33,951 35,167 36,426 37,730 39,081 40,481 41,930 43,432	-,,		-,	,	-,	, .	,	, -		4. 17
Consulting / Professional Services DPW - Disposal - Landfill 4,031,122 4,175,470 4,324,988 4,479,860 4,640,278 4,806,439 4,978,551 5,156,826 5,341,485 5,532,756										
Repair & Maintenance-Equipment DPW - Disposal - Landfill 42,500 44,022 45,598 47,231 48,922 50,674 52,489 54,368 56,315 58,332		4 52,489 54,368 56,315	50,674	48,922	47,231	45,598	44,022			
Supplies, Non-Consumable DPW - Disposal - Landfill 734,112 760,400 787,628 815,832 845,046 875,306 906,649 939,115 972,744 1,007,576										
Motor Equip, Fuel DPW - Disposal - Landfill 2,247 2,327 2,411 2,497 2,587 2,679 2,775 2,874 2,977 3,084										
Motor Equip, Pm/Repairs DPW - Disposal - Landfill 22,248 23,045 23,870 24,725 25,610 26,527 27,477 28,461 29,480 30,536										4.12
Consulting / Professional Services DPW - Recycling & Collection 480,948 498,170 516,009 534,486 553,625 573,450 593,984 615,254 637,286 660,106			,		,	,	,	,		•
Consulting / Professional Services-Technical DPW- Recycling & Collection 500,000 517,904 536,450 555,659 575,557 596,167 617,514 639,627 662,531 686,255										
Motor Equip, Fuel DPW - Recycling & Collection 8,971 9,292 9,625 9,970 10,327 10,696 11,079 11,476 11,887 12,313 Motor Equip, Pm/Repairs DPW - Recycling & Collection 109,584 113,508 117,573 121,783 126,144 130,661 135,339 140,186 145,206 150,405										
Motor Equip, Fuel NDP - Unallocated Citywide Employee Expenses 79,790 82,647 85,607 88,672 91,847 95,136 150,359 140,160 149,200 150,727 109,513										
Consulting / Professional Services COA Customer Service 42,750 44,281 45,866 47,509 49,210 50,972 52,797 54,688 56,646 58,675										
Advertise COA Customer Service 5,000 5,179 5,364 5,557 5,756 5,962 6,175 6,396 6,625 6,863										•
Supplies, Non-Consumable COA Customer Service 9,996 10,354 10,725 11,109 11,507 11,919 12,345 12,787 13,245 13,720	12,345 12,787 13,245 13,720	9 12,345 12,787 13,245	11,919	11,507	11,109	10,725	10,354	9,996	COA Customer Service	Supplies, Non-Consumable

Schedule 5 - Cash Out

Consulting / Professional Services	
Consulting Professional Services	284.333
Consulting / Professional servences-incided fund 1001 4,500 4,661 4,828 5,001 5,1580 5,365 5,558 5,558 5,558 5,558 6	285,190
Consulting Professional Services-Technical Fund 1001 \$1,000 \$1,950 \$4,651 \$4,828 \$5,001 \$1,810 \$5,365 \$5,558 \$5,757 \$5,963 \$6,176 \$8,6918 \$1,000 \$1,0	334,886
Repair & Maintenance-Building Fund 1001 50,000 51,790 53,645 55,566 57,556 59,617 61,751 63,963 66,253 68,258 70,790 70,790 71,772 71	11,228,355
Operating Leases/Rentals-Equipment Fund 1001 10,000 10,358 10,729 11,113 11,921 11,923 12,350 12,793 13,251 13,725 10,725 10,725 11,113 11,113 11,923 12,350 12,793 13,251 13,725 10,725 11,113 11,925	6,397
Note Postage Expense Fund 1001 16,704 17,302 17,302 17,302 18,583 19,218 19,917 20,830 21,369 22,136 22,926 Printing & Bindling Fund 1001 5,004 5,183 3,369 5,561 5,760 5,966 6,180 6,401 6,631 6,686 8 8 8 8 8 8 8 8 8	71,083
Miress Telephone Expense Fund 1001 16,704 17,300 17,922 18,563 19,228 19,917 20,630 21,369 22,134 22,926 19,1016 1,010 1	14,217
Printing & Bindring	7,108
Busines Trawel / Per Diem	23,747
Fraining Traver / Per Diem	7,114
Numberships	1,416
Francis Francis Fund	14,211
Supplies, Consumable Fund 1001 107,100 110,935 114,908 119,022 123,284 127,699 132,272 137,008 141,914 146,996 Supplies, Non-Consumable Fund 1001 29,172 30,217 31,329 32,419 33,880 34,783 36,028 37,318 38,655 40,039 UIII, Natural Gas Fund 1001 4,802 4,974 5,152 5,337 5,528 5,726 5,931 6,143 6,363 6,591 Catering Fund 1001 4,802 44,974 5,152 5,337 5,528 5,726 5,931 6,143 6,363 6,591 Equipment (\$0.999) Fund 1001 43,032 44,573 46,169 47,822 49,535 51,308 53,146 55,049 57,020 59,062 Computers (\$1,000-4,999) Fund 1001 10,000 10,358 10,729 11,113 11,151 11,192 12,350 12,793 13,251 13,775 10,1000 10	2,132
Supplies, Non-Consumable Fund 1001 3,108 3,219 3,335 3,454 3,578 3,706 3,838 3,976 4,118 4,266	21,922
Supplies, Consumable-Trackable Fund 1001 29,172 30,217 31,299 32,419 33,580 34,783 36,028 37,318 38,655 40,039	152,260
Util, Natural Gas Fund 1001 4,802 4,974 5,152 5,337 5,528 5,726 5,931 6,143 6,363 6,591 Catering Fund 1001 1,800 1,864 1,931 2,000 2,072 2,146 2,223 2,303 2,385 2,471 Equipment (50-999) Fund 1001 10,000 10,358 10,729 11,113 11,511 11,933 12,350 12,793 13,251 13,725 Uniforms Fund 1001 167,000 17,980 179,174 185,590 192,236 199,120 206,250 213,635 221,285 229,09 Supplies, Non-Consumable-Small Parts Fund 1001 132,504 137,249 142,163 147,254 152,527 157,989 163,646 169,506 175,576 181,863 Motor Equip, Furle Fund 1001 406,597 421,157 436,238 451,859 486,039 484,799 502,159 520,141 538,766 558,059 Motor Equip, Pm/Repairs Fund 1001 \$32,810,008	4,419
Catering Fund 1001 1,800 1,864 1,931 2,000 2,072 2,146 2,223 2,303 2,385 2,471 Equipment (\$0.999) Fund 1001 43,032 44,573 46,169 47,822 49,535 51,308 53,146 55,049 57,020 59,062 Computers (\$1,000-4,999) Fund 1001 10,000 10,358 10,729 11,113 11,511 11,923 12,350 12,793 13,251 13,251 Uniforms Fund 1001 167,000 172,980 179,174 185,590 192,236 199,120 206,250 213,635 221,285 229,209 Supplies, Non-Consumable-Small Parts Fund 1001 132,504 137,249 142,163 147,254 152,527 157,989 163,646 169,506 175,576 181,863 Motor Equip, Pm/Repairs Fund 1001 406,597 421,157 436,238 451,859 468,039 484,799 502,159 50,141 538,766 558,059 Motor Equip, Pm/Repairs Fund 1001 804,281 833,081 862,913 893,812 925,819 958,971 993,310 1,028,879 1,065,722 1,103,844 Subtotal Fixed Operations & Maintenance Execution Execution \$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Fund 1001 \$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Fund 1001 \$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Fund 1001 \$12,000,000,000,000 \$1,000	41,473
Equipment (\$0.999) Fund 1001 43,032 44,573 46,169 47,822 49,535 51,308 53,146 55,049 57,020 59,062 Computers (\$1,0004,999) Fund 1001 10,000 10,358 10,729 11,113 11,511 11,923 12,350 12,793 13,251 13,725 11,775 11	6,827
Computers (\$1,000-4,999) Fund 1001 10,000 10,358 10,729 11,113 11,511 11,923 12,350 12,793 13,251 13,725	2,559
Uniforms Fund 1001 167,000 172,980 179,174 185,590 192,236 199,120 206,250 213,635 221,285 229,209 Supplies, Non-Consumable-Small Parts Fund 1001 132,504 137,249 142,163 147,254 152,527 157,989 163,646 169,506 175,576 181,863 Motor Equip, Fund 1001 406,597 421,157 436,238 451,859 468,039 484,799 502,159 520,141 538,766 155,859 Motor Equip, Pm/Repairs Fund 1001 804,281 833,081 862,913 893,812 925,819 958,971 993,310 1,028,879 1,065,722 1,103,884 Subtotal Fixed Operations & Maintenance Execution \$\$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Fixed Operations & Maintenance Execution Exec	61,177
Supplies, Non-Consumable-Small Parts Fund 1001 132,504 137,249 142,163 147,254 152,527 157,989 163,646 169,506 175,76 181,863 Motor Equip, Fuel Fund 1001 406,597 421,157 436,238 451,859 468,039 484,799 502,159 520,141 538,766 558,059 Motor Equip, Fuel Fund 1001 804,281 833,081 86,913 893,812 95,899 993,310 1,028,879 1,055,22 1,103,884 Subtotal Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Total Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,623,69 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286	14,217
Motor Equip, Fuel Fund 1001 406,597 421,157 436,238 451,859 468,039 484,799 502,159 520,141 538,766 558,059 Motor Equip, Pm/Repairs Fund 1001 804,281 833,081 862,913 893,812 925,819 958,971 993,310 1,028,879 1,055,722 1,038,076 Subtoal Exceptions & Maintenance Execution \$32,810,008 33,984,889 35,201,840 3642,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,642,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Total Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,642,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Total Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,623,69 37,768,035 39,120,456 40,521,305 <td>237,417</td>	237,417
Motor Equip, Pm/Repairs Fund 1001 804,281 833,081 862,913 893,812 925,819 958,971 993,310 1,028,879 1,065,722 1,103,884 Subtoal Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Total Fixed Operations & Maintenance Execution \$32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Capital Outlay Execution Equipment (\$5,000+) Fund 1001 \$184,512 191,066 197,852 204,879 212,156 219,692 227,495 235,575 243,943 252,607 Vehicles (\$5,000+) Fund 1001 256,983 266,111 275,563 285,350 295,885 305,981 316,849 328,103 339,756 351,824 Computers (\$5,000+) Fund 1001 5,000 5,178 5,361 5,552 5,749 5,953 6,165 <td>188,375</td>	188,375
Subtotal Fixed Operations & Maintenance Execution \$ 32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Fixed Operations & Maintenance Execution \$ 32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Total Fixed Operations & Maintenance Execution \$ 32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Capital Outlay Execution Equipment (\$5,000+) Fund 1001 \$ 184,512 191,066 197,852 204,879 212,156 219,692 227,495 235,575 243,943 252,607 Vehicles (\$5,000+) Fund 1001 25,698 266,111 275,563 285,350 295,485 305,981 316,849 328,103 339,76 351,824 Computers (\$5,000+) Fund 1001 5,000 5,178 5,361 5,552 5,749 5,953 <td>578,042</td>	578,042
Fixed Operations & Maintenance Execution Execution 100% 100	1,143,413
Total Fixed Operations & Maintenance Execution \$ 32,810,008 33,984,889 35,201,840 36,462,369 37,768,035 39,120,456 40,521,305 41,972,316 43,475,286 45,032,076 Capital Outlay Execution Equipment (\$5,000+) Fund 1001 \$ 184,512 191,066 197,852 204,879 212,156 219,692 227,495 235,575 243,943 252,607 Vehicles (\$5,000+) Fund 1001 256,983 266,111 275,563 285,350 295,485 305,981 316,849 328,103 339,756 351,824 Computers (\$5,000+) Fund 1001 5,000 5,178 5,361 5,552 5,749 5,953 6,165 6,384 6,610 6,845	46,644,611
Equipment (\$5,000+) Fund 1001 \$ 184,512 191,066 197,852 204,879 212,156 219,692 227,495 235,575 243,943 252,607 Vehicles (\$5,000+) Fund 1001 256,983 266,111 275,563 285,350 295,485 305,981 316,849 328,103 339,756 351,824 Computers (\$5,000+) Fund 1001 5,000 5,178 5,361 5,552 5,749 5,953 6,165 6,384 6,610 6,845	100%
Fund 1001 \$ 184,512 191,066 197,852 204,879 212,156 219,692 227,495 235,575 243,943 252,607 Vehicles (\$5,000+) Fund 1001 256,983 266,111 275,563 285,350 295,485 305,981 316,849 328,103 339,756 351,824 Computers (\$5,000+) Fund 1001 5,000 5,178 5,361 5,552 5,749 5,953 6,165 6,384 6,610 6,845	46,644,611
Vehicles (\$5,000+) Fund 1001 256,983 266,111 275,563 285,350 295,485 305,981 316,849 328,103 339,756 351,824 Computers (\$5,000+) Fund 1001 5,000 5,178 5,361 5,552 5,749 5,953 6,165 6,384 6,610 6,845	
Computers (\$5,000+) Fund 1001 5,000 5,178 5,361 5,552 5,749 5,953 6,165 6,384 6,610 6,845	261,579
	364,320
Vehicle Replacement Plan - Cash Funded 0 784,675 423,816 269,719 155,223 38,317 554,241 123,472 638,263 224,707 327,785	7,088
	242,826
Subtotal Capital Outlay Execution \$ 1,231,170 886,170 748,495 651,005 551,708 1,085,867 673,980 1,208,325 815,017 939,061	875,814
Capital Outlay Execution Execution 100% 100% 100% 100% 100% 100% 100% 100	100%
Total Capital Outlay Execution \$ 1,231,170 886,170 748,495 651,005 551,708 1,085,867 673,980 1,208,325 815,017 939,061	875,814
Debt Service	
Short-Term Debt	
Existing Short-Term Debt Service \$ 4,183,027 1,725,380 1,725,380 1,725,380 1,725,380	-
New Short-Term Debt Service 1,097,531 1,722,701 2,079,332 3,610,703 4,604,415 6,286,946 7,522,270 8,100,546 9,552,473 8,854,541	9,295,140
Total Debt Service \$ 5,280,558 3,448,081 3,804,712 5,336,082 6,329,794 8,012,326 7,522,270 8,100,546 9,552,473 8,854,541	9,295,140
Transfers Out	
Oper Transf Out To 3503 DPW - Commissioner of Public Works \$ 287,352 296,143 305,202 314,539 324,161 334,078 344,298 354,831 365,686 376,873	388,403
Payments To Other Gov'Ts DPW - Public Works Administration 237 244 252 259 267 276 284 293 302 311	320
Payments To Other Gov'Ts DPW - Safety & Risk Management 293 302 311 321 331 341 351 362 373 384	396
Payments To Other Gov'Ts DPW - Solid Waste Collection - Curbside 2,034 2,096 2,160 2,226 2,295 2,365 2,437 2,512 2,588 2,668	2,749
Payments To Other Gov'Ts DPW - Bulk Rubbish Collections 2,906 2,995 3,087 3,181 3,278 3,379 3,482 3,588 3,698 3,811	3,928
Payments To Other Gov'Ts DPW - Recycling & Collection 11,624 11,980 12,346 12,724 13,113 13,514 13,928 14,354 14,793 15,245	15,712
Payments To Other Gov ^T S 5,000 5,153 5,311 5,473 5,640 5,813 5,991 6,174 6,363 6,558	6,758
Total Transfers Out \$ 5,457,925 5,624,894 5,796,971 5,974,313 6,157,079 6,345,437 6,539,557 6,739,616 6,945,795 7,158,281	7,377,267
Cash Funded Capital	
Cash Funded Capital \$ 5,865,462 3,484,237 3,541,973 2,472,833 2,557,066 2,728,165 2,821,095 5,121,514 5,295,970 5,476,369	5,662,912
Total Cash Funded Capital \$ 5,865,462 3,484,237 3,541,973 2,472,833 2,557,066 2,728,165 2,821,095 5,121,514 5,295,970 5,476,369	5,662,912
Total Cash Out \$82,680,498 80,443,675 83,119,405 85,962,923 89,502,756 94,536,893 96,462,240 102,700,596 106,852,990 109,475,968	113,156,731

Schedule 6 - Pro Forma

Rate Adjustment 0.00% 3.50% 2.00% 2.	Scriedule 6 - Pro Forma	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Solid Water Cold Water Experiment Cold Water	Rata Adjustment											
Selection Sele	•	0.0070	3.50%	2.0070	2.0070	2.0070	2.0070	2.00%	2.00/0	2.0070	2.00%	2.0070
Revenue form Growth												
Personal Serice Rate Increase \$ 5,24,155 \$3,89,406 \$0,200 \$1,205,400 \$1		\$ 53,244,155										
Rate increase (Revenue from Growth	-	595,341	701,979	744,542	834,484	799,577	848,246	883,456	918,303	938,494	975,508
Revenue from Rate horcease 5	Revenue Before Rate Increase	\$ 53,244,155	53,839,496	56,425,857	58,298,916	60,299,378	62,304,942	64,399,287	66,570,729	68,820,446	71,135,349	73,533,564
Transport Tran	Rate Increase	0.00%		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Secret Fund Rate Revenue \$ 2,658,658 \$ 2,658,658 \$ 2,622,768 \$ 2,817,218 \$ 2,813,406 \$ 2,819,768 \$ 3,097,66 \$ 3,097,76 \$ 3,107,717 \$ 3,729,87 \$ 3,244,649 \$ 3,249,768 \$ 3,	Revenue from Rate Increase	\$ -	1,884,382	1,128,517	1,165,978	1,205,988	1,246,099	1,287,986	1,331,415	1,376,409	1,422,707	1,470,671
General Fund Rate Revenue \$ 2,688,659 26,886,559 26,886,559 27,622,722 28,175,218 28,738,722 29,313,496 29,897,660 30,497,620 31,107,171 31,79,971 32,796,4469 Revenue Before Rate Increase \$ 2,688,659 29,403 552,455 563,504 74,774 856,700 59,999,506 30,497,620 31,107,171 31,79,971 32,796,449 32,046,489 Revenue form Rate Increase \$ 2,668,659 29,4103 552,455 563,504 574,774 586,270 39,799,50 609,955 609,955 622,154 634,599 406,7289 Total General Fund Rate Revenues \$ 1,075,591 21,412 1,124,126 9,141,126 9,141,126 1,124,126 </td <td>Total Solid Waste Collection Rate Revenue</td> <td>\$ 53,244,155</td> <td>55,723,878</td> <td>57,554,374</td> <td>59,464,894</td> <td>61,505,366</td> <td>63,551,041</td> <td>65,687,273</td> <td>67,902,143</td> <td>70,196,855</td> <td>72,558,056</td> <td>75,004,235</td>	Total Solid Waste Collection Rate Revenue	\$ 53,244,155	55,723,878	57,554,374	59,464,894	61,505,366	63,551,041	65,687,273	67,902,143	70,196,855	72,558,056	75,004,235
Revenue Before Rate Increase \$2,688,659 26,688,659 27,622,762 28,175,218 28,738,722 29,313,496 29,899,766 30,497,762 31,107,77 31,729,871 20,006 20,	General Fund											
Rate Increase	General Fund Rate Revenue	\$ 26,688,659	26,688,659	27,622,762	28,175,218	28,738,722	29,313,496	29,899,766	30,497,762	31,107,717	31,729,871	32,364,469
Part	Revenue Before Rate Increase	\$ 26,688,659	26,688,659	27,622,762	28,175,218	28,738,722	29,313,496	29,899,766	30,497,762	31,107,717	31,729,871	32,364,469
Total General Fund Rate Revenue \$ 26,688,659 27,622,762 28,175,218 28,788,722 29,313,496 29,899,766 30,497,762 31,107,117 31,729,871 32,364,469 33,011,758 Total Rate Revenues \$ 79,932,814 83,346,641 85,729,591 88,203,616 90,818,862 93,450,808 96,185,035 99,009,860 101,926,726 104,922,524 108,015,999 Plus: Other Operating Revenues \$ 1,075,999 1,124,126 1,124,12	Rate Increase	0.00%	3.50%	2.00%	2.00%	1.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Total Rate Revenues \$ 7,932,814 83,346,641 85,725,951 82,036,161 90,818,862 93,450,808 96,185,035 99,009,860 10,926,726 104,922,524 108,015,993 Plus: Other Operating Revenues \$ 1,075,599 1,124,126	Revenue from Rate Increase	\$ -	934,103	552,455	563,504	574,774	586,270	597,995	609,955	622,154	634,597	647,289
Puis: Other Operating Revenues \$ 1,075,599 1,124,126 1,124	Total General Fund Rate Revenue	\$ 26,688,659	27,622,762	28,175,218	28,738,722	29,313,496	29,899,766	30,497,762	31,107,717	31,729,871	32,364,469	33,011,758
Personia funcome	Total Rate Revenues	\$ 79,932,814	83,346,641	85,729,591	88,203,616	90,818,862	93,450,808	96,185,035	99,009,860	101,926,726	104,922,524	108,015,993
Less: Operating Expenses Personal Services \$ (32,035,376) (33,015,404) (34,025,414) (35,066,321) (36,139,073) (37,244,642) (38,384,032) (39,558,279) (40,768,449) (42,015,640) (43,300,986) (56,462,369) (37,768,035) (39,120,456) (40,521,305) (41,972,316) (43,475,286) (45,032,076) (46,644,611) (43,300,986) (44,611) (43,475,286) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (46,644,611) (43,475,486) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45,032,076) (45	Plus: Other Operating Revenues	\$ 1,075,599	1,124,126	1,124,126	1,124,126	1,124,126	1,124,126	1,124,126	1,124,126	1,124,126	1,124,126	1,124,126
Personal Services (32,035,376) (33,015,404) (34,025,414) (35,066,321) (36,139,073) (37,244,642) (38,384,032) (39,558,279) (40,768,449) (42,015,640) (43,300,986) (40,644,611) (43,400,081)	Operating Income	\$ 81,008,413	84,470,767	86,853,718	89,327,743	91,942,988	94,574,934	97,309,161	100,133,987	103,050,852	106,046,651	109,140,119
Fixed Operations & Maintenance (32,810,008) (33,984,889) (35,201,840) (36,462,369) (37,768,035) (39,120,456) (40,521,305) (41,972,316) (43,475,286) (45,032,076) (46,644,611) (45,644,611)	Less: Operating Expenses											
Total Operating Expenses \$ (64,845,384) (67,000,293) (69,227,254) (71,528,690) (73,907,108) (76,365,098) (78,905,337) (81,530,596) (84,243,735) (87,047,716) (89,945,597) (80,945,597) (80,945,737) (80,945,747) (80,	Personal Services	\$ (32,035,376)	(33,015,404)	(34,025,414)	(35,066,321)	(36,139,073)	(37,244,642)	(38,384,032)	(39,558,279)	(40,768,449)	(42,015,640)	(43,300,986)
Net Operating Income \$ 16,163,029 17,470,474 17,626,464 17,799,053 18,035,880 18,209,836 18,403,824 18,603,391 18,807,117 18,998,935 19,194,522 Plus (Less): Non-Operating Income in Debt Service Coverage Test Interest Earnings \$ 56,887 59,976 69,885 79,082 86,778 90,431 92,200 90,821 83,730 75,656 67,411 Capital Outlay (1,231,170) (886,170) (748,495) (651,005) (551,708) (1,085,867) (673,980) (1,083,857) (6,339,557) (6,339,616) (6,945,795) (7,158,281) (7,377,267) Total Non-Operating S (6,632,088) (6,451,088) (6,475,582) (6,546,236) (6,622,009) (7,340,874) (7,121,337) (7,857,119) (7,677,081) (8,021,686) (8,185,670) Net Income Before Debt Service \$ 9,530,821 11,019,387 11,150,883 11,252,817 11,413,871 10,868,963 11,282,487 10,746,272 11,30,306 10,977,249 11,008,852 Debt Service & Coverage Existing Short-Term Debt Service \$ 4,183,027 1,725,380	Fixed Operations & Maintenance	(32,810,008)	(33,984,889)	(35,201,840)	(36,462,369)	(37,768,035)	(39,120,456)	(40,521,305)	(41,972,316)	(43,475,286)	(45,032,076)	(46,644,611)
Plus (Less): Non-Operating Income in Debt Service Coverage Test Interest Earnings \$ 56,887 \$ 59,976 \$ 69,885 \$ 79,082 \$ 86,778 \$ 90,431 \$ 92,200 \$ 90,821 \$ 83,730 \$ 75,656 \$ 67,411 \$ Capital Outlay \$ (1,231,170) \$ (886,170) \$ (748,495) \$ (651,005) \$ (551,708) \$ (1,085,867) \$ (673,980) \$ (1,208,325) \$ (815,017) \$ (939,061) \$ (875,814) \$ Transfers Out \$ (5,457,925) \$ (5,624,894) \$ (5,796,971) \$ (5,974,313) \$ (6,157,079) \$ (6,345,437) \$ (6,539,557) \$ (6,739,616) \$ (6,945,795) \$ (7,158,281) \$ (7,377,267) \$ Total Non-Operating \$ (6,632,208) \$ (6,451,088) \$ (6,475,582) \$ (6,546,236) \$ (6,622,009) \$ (7,340,874) \$ (7,121,337) \$ (7,857,119) \$ (7,677,081) \$ (8,021,686) \$ (8,185,670) \$ Net Income Before Debt Service \$ 9,530,821 \$ 11,019,387 \$ 11,150,883 \$ 11,252,817 \$ 11,413,871 \$ 10,868,963 \$ 11,282,487 \$ 10,746,272 \$ 11,130,036 \$ 10,977,249 \$ 11,008,852 \$ 10,000 \$ 10,000 \$ 11,725,380 \$ 1,72	Total Operating Expenses	\$ (64,845,384)	(67,000,293)	(69,227,254)	(71,528,690)	(73,907,108)	(76,365,098)	(78,905,337)	(81,530,596)	(84,243,735)	(87,047,716)	(89,945,597)
Interest Earnings	Net Operating Income	\$ 16,163,029	17,470,474	17,626,464	17,799,053	18,035,880	18,209,836	18,403,824	18,603,391	18,807,117	18,998,935	19,194,522
Interest Earnings	Plus (Less): Non-Operating Income in Debt S	ervice Coverage T	est									
Capital Outlay (1,231,170) (886,170) (748,495) (651,005) (551,708) (1,085,867) (673,980) (1,208,325) (815,017) (939,061) (875,814) (7377,267) (748,495) (5,624,894) (5,796,971) (5,974,313) (6,157,079) (6,345,437) (6,539,557) (6,739,616) (6,945,795) (7,158,281) (7,377,267) (7514) Non-Operating (6,632,208) (6,451,088) (6,475,582) (6,546,236) (6,622,009) (7,340,874) (7,121,337) (7,857,119) (7,677,081) (8,021,686) (8,185,670) (_		69,885	79,082	86,778	90,431	92,200	90,821	83,730	75,656	67,411
Transfers Out (5,457,925) (5,624,894) (5,796,971) (5,974,313) (6,157,079) (6,345,437) (6,539,557) (6,739,616) (6,945,795) (7,158,281) (7,377,267) (7,377,27) (7,377,27) (7,377,27) (7,377,27) (7,377,27) (7,377,27) (7,377,27) (7,377,27)	-	(1,231,170)		-	(651,005)	(551,708)	(1,085,867)	(673,980)		(815,017)	•	•
Total Non-Operating \$ (6,632,208) (6,451,088) (6,475,582) (6,546,236) (6,622,009) (7,340,874) (7,121,337) (7,857,119) (7,677,081) (8,021,686) (8,185,670) Net Income Before Debt Service \$ 9,530,821 11,019,387 11,150,883 11,252,817 11,413,871 10,868,963 11,282,487 10,746,272 11,130,036 10,977,249 11,008,852 Debt Service & Coverage Existing Short-Term Debt Service \$ 4,183,027 1,725,380 1,725,3	•							, , ,				, , ,
Debt Service & Coverage Existing Short-Term Debt Service \$ 4,183,027 1,725,380 1,725,												(8,185,670)
Existing Short-Term Debt Service \$ 4,183,027 1,725,380 1	Net Income Before Debt Service	\$ 9,530,821	11,019,387	11,150,883	11,252,817	11,413,871	10,868,963	11,282,487	10,746,272	11,130,036	10,977,249	11,008,852
Existing Short-Term Debt Service \$ 4,183,027 1,725,380 1	Dobt Sarvice & Coverage											
New Short-Term Debt Service 1,097,531 1,722,701 2,079,332 3,610,703 4,604,415 6,286,946 7,522,270 8,100,546 9,552,473 8,854,541 9,295,140 Total Short-Term Debt Service \$ 5,280,558 3,448,081 3,804,712 5,336,082 6,329,794 8,012,326 7,522,270 8,100,546 9,552,473 8,854,541 9,295,140 Short-Term Debt Service Coverage 1.80 3.20 2.94 2.12 1.82 1.38 1.53 1.36 1.19 1.28 1.22 Total Debt Service \$ 5,280,558 3,448,081 3,804,712 5,336,082 6,329,794 8,012,326 7,522,270 8,100,546 9,552,473 8,854,541 9,295,140 Net Cash Flow \$ 14,811,379 14,467,468 14,955,595 16,588,899 17,743,666 18,881,289 18,804,756 18,846,818 20,682,509 19,831,790 20,303,992 Fund Balance Balance at Beginning of Fiscal Year \$ 23,562,236 21,947,038 26,034,106 29,874,127 33,391,240 36,031,393 36,313,042	•	¢ 4102.027	1 725 200	1 725 200	1 725 200	1 725 200	1 725 200					
Total Short-Term Debt Service \$ 5,280,558 3,448,081 3,804,712 5,336,082 6,329,794 8,012,326 7,522,270 8,100,546 9,552,473 8,854,541 9,295,140 Short-Term Debt Service Coverage 1.80 3.20 2.94 2.12 1.82 1.38 1.53 1.36 1.19 1.28 1.22 Total Debt Service \$ 5,280,558 3,448,081 3,804,712 5,336,082 6,329,794 8,012,326 7,522,270 8,100,546 9,552,473 8,854,541 9,295,140 Net Cash Flow \$ 14,811,379 14,467,468 14,955,595 16,588,899 17,743,666 18,881,289 18,804,756 18,846,818 20,682,509 19,831,790 20,303,992 Fund Balance Balance at Beginning of Fiscal Year \$ 23,562,236 21,947,038 26,034,106 29,874,127 33,391,240 36,031,393 36,313,042 37,447,146 35,209,685 31,774,513 28,750,295	3			, ,				7 522 270	9 100 546	0 552 472	0 05/1 5/1	0 205 140
Short-Term Debt Service Coverage 1.80 3.20 2.94 2.12 1.82 1.38 1.53 1.36 1.19 1.28 1.22 Total Debt Service \$ 5,280,558 3,448,081 3,804,712 5,336,082 6,329,794 8,012,326 7,522,270 8,100,546 9,552,473 8,854,541 9,295,140 Net Cash Flow \$ 14,811,379 14,467,468 14,955,595 16,588,899 17,743,666 18,881,289 18,804,756 18,846,818 20,682,509 19,831,790 20,303,992 Fund Balance Balance at Beginning of Fiscal Year \$ 23,562,236 21,947,038 26,034,106 29,874,127 33,391,240 36,031,393 36,313,042 37,447,146 35,209,685 31,774,513 28,750,295												
Total Debt Service \$ 5,280,558 3,448,081 3,804,712 5,336,082 6,329,794 8,012,326 7,522,270 8,100,546 9,552,473 8,854,541 9,295,140 Net Cash Flow \$ 14,811,379 14,467,468 14,955,595 16,588,899 17,743,666 18,881,289 18,804,756 18,846,818 20,682,509 19,831,790 20,303,992 Fund Balance Balance at Beginning of Fiscal Year \$ 23,562,236 21,947,038 26,034,106 29,874,127 33,391,240 36,031,393 36,313,042 37,447,146 35,209,685 31,774,513 28,750,295												
Net Cash Flow \$ 14,811,379 14,467,468 14,955,595 16,588,899 17,743,666 18,881,289 18,804,756 18,846,818 20,682,509 19,831,790 20,303,992 Fund Balance Balance at Beginning of Fiscal Year \$ 23,562,236 21,947,038 26,034,106 29,874,127 33,391,240 36,031,393 36,313,042 37,447,146 35,209,685 31,774,513 28,750,295												
Fund Balance Balance at Beginning of Fiscal Year \$ 23,562,236 21,947,038 26,034,106 29,874,127 33,391,240 36,031,393 36,313,042 37,447,146 35,209,685 31,774,513 28,750,295	Total Debt Service	\$ 5,280,558	3,448,081	3,804,712	5,336,082	6,329,794	8,012,326	7,522,270	8,100,546	9,552,473	8,854,541	9,295,140
Balance at Beginning of Fiscal Year \$ 23,562,236 21,947,038 26,034,106 29,874,127 33,391,240 36,031,393 36,313,042 37,447,146 35,209,685 31,774,513 28,750,295	Net Cash Flow	\$ 14,811,379	14,467,468	14,955,595	16,588,899	17,743,666	18,881,289	18,804,756	18,846,818	20,682,509	19,831,790	20,303,992
	Fund Balance											
Net Cash Flow 4,250,263 7,571,306 7,381,993 5,989,945 5,197,220 3,009,813 3,955,199 2,884,053 1,860,797 2,452,151 2,091,026	Balance at Beginning of Fiscal Year	\$ 23,562,236	21,947,038	26,034,106	29,874,127	33,391,240	36,031,393	36,313,042	37,447,146	35,209,685	31,774,513	28,750,295
	Net Cash Flow	4,250,263	7,571,306	7,381,993	5,989,945	5,197,220	3,009,813	3,955,199	2,884,053	1,860,797	2,452,151	2,091,026

Schedule 6 - Pro Forma

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Total Funds Available Less: Planned Cash Funded Capital	\$ 27,812,499 \$ (5,865,462)	29,518,343 (3,484,237)	33,416,100 (3,541,973)	35,864,072 (2,472,833)	38,588,459 (2,557,066)	39,041,207 (2,728,165)	40,268,242 (2,821,095)	40,331,199 (5,121,514)	37,070,483 (5,295,970)	34,226,664 (5,476,369)	30,841,321 (5,662,912)
Balance of Working Capital Less: Working Capital Reserve Target	\$ 21,947,038 \$ (16,211,346)	26,034,106 (16,750,073)	29,874,127 (17,306,813)	33,391,240 (17,882,173)	36,031,393 (18,476,777)	36,313,042 (19,091,274)	37,447,146 (19,726,334)	35,209,685 (20,382,649)	31,774,513 (21,060,934)	28,750,295 (21,761,929)	25,178,409 (22,486,399)
Surplus/Deficit of Working Capital Add Back: Working Capital Reserve	\$ 5,735,692 \$ 16,211,346	9,284,033 16,750,073	12,567,314 17,306,813	15,509,067 17,882,173	17,554,616 18,476,777	17,221,768 19,091,274	17,720,812 19,726,334	14,827,036 20,382,649	10,713,579 21,060,934	6,988,366 21,761,929	2,692,009 22,486,399
Balance at End of Fiscal Year	\$ 21,947,038	26.034.106	29.874.127	33.391.240	36.031.393	36.313.042	37.447.146	35.209.685	31.774.513	28.750.295	25.178.409

Schedule 7 - Capital Improvement Plan

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Annual Site Landfill/Gas System Evaluation and Periodic Aerial Mapping Updates	\$ 10,000	10,000	50,000	23,333	23,333	23,333	23,333	23,333	23,333	23,333	23,333
Project Management, Scheduling, Record Keeping, and Reporting, etc. and Monthly Meetings	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Permitting (Minor Modifications)	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Groundwater and Surface WaterMonitoring & Reporting (Semi-annual), including MNA Monitoring	552,000	552,000	552,000	552,000	552,000	552,000	552,000	552,000	552,000	552,000	552,000
Preventive Maintenance	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000
Supplemental Monitoring/Tuning of GCCSs (As Needed)	42,000	36,000	30,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000
Flare Repairs and Maintenance (Gun Club Replacement FY23)	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000
Unscheduled Maintenance and Emergencies	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Leachate Discharge PermitCompliance (Cascade)	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000
Repair/Replace DamagedFencing to Maintain Site Security	75,000	75,000	-	-	-	-	-	-	-	-	-
Fill Areas of Cap Settlement andRevegetate, incl. Gas SystemAdjustments (Cascade FY23, Key Rd FY24)	2,444,000	-	-	-	-	-	-	-	-	-	-
GCCS Upgrades (Incl.Condensate)	42,000	36,000	30,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000
Gun Club Property Acquisition for Monitoring Wells and Access Control	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Phase 5 GCCS Upgrades (Supplemental Nat Gas Feed to Flare) (Gun Club, Key Rd, Cascade)	180,000	140,000	130,000	-	-	-	-	-	-	-	-
NPDES Requirements - CrushedAsphalt Stockpile Removal and Access Road Maintenance	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Facility Upgrades	1,964,462	1,964,462	1,964,462	1,033,086	1,033,086	1,104,130	1,104,130	2,847,722	2,847,722	2,847,722	2,847,722
Inventory - Debt Funded	5,934,354	3,268,943	1,803,353	7,488,507	4,699,247	7,694,561	10,317,184	5,146,987	7,480,170	3,333,538	5,547,894
Total Projects	\$ 11,799,815	6,638,405	5,115,815	9,724,926	6,935,667	10,002,023	12,624,647	9,198,042	11,531,225	7,384,593	9,598,949
Execution %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Escalation %	100.0%	103.4%	106.9%	110.6%	114.3%	118.2%	122.3%	126.4%	130.7%	135.2%	139.8%
Total Executed Projects	\$ 11.799.815	6.864.531	5.470.275	10.752.955	7.930.067	11.825.614	15.434.844	11.628.550	15.074.843	9.982.771	13.418.234

Schedule 8 - Borrowing

Short-Term Borrowing											
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Required Proceeds	\$ 5,934,354	3,380,295	1,928,303	8,280,122	5,373,001	9,097,450	12,613,749	6,507,037	9,778,873	4,506,403	7,755,322
Sources of Funds											
Par Amount	\$ 6,055,463	3,449,280	1,967,656	8,449,104	5,482,655	9,283,112	12,871,173	6,639,833	9,978,442	4,598,370	7,913,594
Total Sources of Funds	\$ 6,055,463	3,449,280	1,967,656	8,449,104	5,482,655	9,283,112	12,871,173	6,639,833	9,978,442	4,598,370	7,913,594
Uses of Funds											
Proceeds	\$ 5,934,354	3,380,295	1,928,303	8,280,122	5,373,001	9,097,450	12,613,749	6,507,037	9,778,873	4,506,403	7,755,322
Cost of Issuance	121,109	68,986	39,353	168,982	109,653	185,662	257,423	132,797	199,569	91,967	158,272
Total Uses of Funds	\$ 6,055,463	3,449,280	1,967,656	8,449,104	5,482,655	9,283,112	12,871,173	6,639,833	9,978,442	4,598,370	7,913,594
Debt Bundling											
Fiscal Years for Issuance	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Bundled Bond Proceeds	\$ 5,934,354	3,380,295	1,928,303	8,280,122	5,373,001	9,097,450	12,613,749	6,507,037	9,778,873	4,506,403	7,755,322
First Year Interest Payment	\$37,090	\$21,127	\$12,052	\$51,751	\$33,581	\$56,859	\$78,836	\$40,669	\$61,118	\$28,165	\$48,471
Annual Payment	1,097,531	625,170	356,631	1,531,371	993,712	1,682,532	2,332,855	1,203,447	1,808,558	833,438	1,434,311
Cumulative Annual Payment	\$ 1,097,531	1,722,701	2,079,332	3,610,703	4,604,415	6,286,946	7,522,270	8,100,546	9,552,473	8,854,541	9,295,140

Schedule 9 - Summary of Funds

Solid Waste Services Fund	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Balance at Start of FY	\$ 23,562,236	21,947,038	26,034,106	29,874,127	33,391,240	36,031,393	36,313,042	37,447,146	35,209,685	31,774,513	28,750,295
Cash In	81,008,413	84,470,767	86,889,541	89,400,954	92,056,132	94,728,111	97,504,144	100,372,314	103,334,087	106,376,094	109,517,434
Interest	56,887	59,976	69,885	79,082	86,778	90,431	92,200	90,821	83,730	75,656	67,411
Cash Out	(76,815,037)	(76,959,438)	(79,577,432)	(83,490,090)	(86,945,690)	(91,808,728)	(93,641,145)	(97,579,082)	(101,557,020)	(103,999,599)	(107,493,819)
Planned Cash Funded CIP	(5,865,462)	(3,484,237)	(3,541,973)	(2,472,833)	(2,557,066)	(2,728,165)	(2,821,095)	(5,121,514)	(5,295,970)	(5,476,369)	(5,662,912)
Subtotal	\$ 21,947,038	26,034,106	29,874,127	33,391,240	36,031,393	36,313,042	37,447,146	35,209,685	31,774,513	28,750,295	25,178,409
Less: Restricted Funds	\$ (16,211,346)	(16,750,073)	(17,306,813)	(17,882,173)	(18,476,777)	(19,091,274)	(19,726,334)	(20,382,649)	(21,060,934)	(21,761,929)	(22,486,399)
Amount Available for Projects	\$ 5,735,692	9,284,033	12,567,314	15,509,067	17,554,616	17,221,768	17,720,812	14,827,036	10,713,579	6,988,366	2,692,009
Amount Available After Projects	\$ 5,735,692	9,284,033	12,567,314	15,509,067	17,554,616	17,221,768	17,720,812	14,827,036	10,713,579	6,988,366	2,692,009
Plus: Restricted Funds	\$ 16,211,346	16,750,073	17,306,813	17,882,173	18,476,777	19,091,274	19,726,334	20,382,649	21,060,934	21,761,929	22,486,399
Available at End of FY	\$ 21,947,038	26,034,106	29,874,127	33,391,240	36,031,393	36,313,042	37,447,146	35,209,685	31,774,513	28,750,295	25,178,409
Solid Waste R&E Fund	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Balance at Start of FY	\$ (1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)
Available at End of FY	\$ (1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)	(1,010,345)

Schedule 10 - Vehicle Replacement Program

		C	ash/Debt	Life I	Replacement											
Vehicle	Unit \		Funded?		Cost	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Pickup - Compact	26422 2	2002	Cash	7	\$ 22,063	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	26702 2	2003	Cash	7	32,579	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Passenger Car - Medium (C.W. 3,000 - 3,499 Lbs)	27472 2	2005	Cash	7	23,814	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Passenger Car - Medium (C.W. 3,000 - 3,499 Lbs)	27475 2	2005	Cash	7	23,814	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Passenger Car - Medium (C.W. 3,000 - 3,499 Lbs)	27477 2	2005	Cash	7	23,814	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	27573 2	2004	Cash	7	24,211	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	27575 2	2004	Cash	7	24,211	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Truck - Refrigerator	27732 2	2004	Cash	7	74,461	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Tandem Dump	27789 2	2005	Debt	10	172,380	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tandem Dump	27790 2	2005	Debt	10	172,380	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tandem Dump	27791 2	2005	Debt	10	172,380	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Rubbish Truck (Crew Cab)	27792 2	2005	Debt	8	122,688	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rubbish Truck (Crew Cab)	27795 2	2005	Debt	8	122,688	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Tractor Truck	27833 2	2005	Debt	12	175,513	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tractor Truck	27834 2	2005	Debt	12	175,513	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniloader	28063 2	2005	Cash	10	57,679	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Uniloader	28064 2	2005	Cash	10	57,679	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Uniloader	28065 2	2005	Cash	10	57,679	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Uniloader	28066 2	2005	Cash	10	57,679	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rubber Tire Loader	28075 2	2005	Debt	7	146,478	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Pickup - Compact	28112 2		Cash	7	20,320	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - Compact	28113 2	2005	Cash	7	20,320	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Van - 15 Passenger	28489 2	2006	Cash	7	30,627	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Van - 15 Passenger	28490 2		Cash	7	30,627	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - 3/4 Ton	28522 2	2006	Cash	7	37,256	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Tandem Dump	28608 2		Debt	10	178,370	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tandem Dump	28609 2	2006	Debt	10	178,370	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Truck - Service 11 Gvw	28672 2		Cash	8	40,372	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Rubber Tire Loader	28732 2		Debt	7	154,672	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Van - 15 Passenger	28738 2	2006	Cash	7	36,726	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Tractor (85 - 90 Hp)	28775 2		Debt	10	119,761	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Load Lugger	28866 2	2006	Debt	10	235,114	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Load Lugger	28868 2		Debt	10	240,932	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubbish Truck (Crew Cab)	28876 2		Debt	8	134,985	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rubbish Truck (Crew Cab)	28877 2		Debt	8	134,985	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Passenger Car - Medium (C.W. 3,000 - 3,499 Lbs)	28915 2		Cash	7	20,582	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	28952 2		Cash	7	22,138	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rubber Tire Loader	29129 2		Debt	7	171,597	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - Compact	29207 2		Cash	7	20,823	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - Compact	29208 2		Cash	7	20,823	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Truck Mounted Sweeper 28K	29399 2		Debt	8	212,888	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Street Flusher	29445 2		Debt	10	174,611	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Pickup - 1/2 Ton	29689 2		Cash	7	23,717	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Tandem Dump	29714 2		Debt	10	184,460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tandem Dump	29715 2		Debt	10	184,460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tandem Dump	29798 2		Debt	10	184,460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Dump Truck - Stake 25 Gvw (Crew Cab)	29835 2		Debt	8	119,722	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rubbish Truck - 12 Yard	29837 2		Debt	8	131,693	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Passenger Car - Compact (C.W. 2,500 - 2,999 Lbs)	30141 2		Cash	7	21,372	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Passenger Car - Compact (C.W. 2,500 - 2,999 Lbs)	30141 2		Cash	7	21,372	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rubbish Truck (Crew Cab)	30334 2		Debt	8	147,371	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
NUDDISH THUCK (CIEW CaD)	3U334 Z	.007	שפטנ	0	14/,3/1	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00

Schedule 10 - Vehicle Replacement Program

		(Cash/Debt	Life	Replacement											
Vehicle	Unit '		Funded?		Cost	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Rubbish Truck (Crew Cab)	30335 2	2007	Debt	8	147,371	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	30353	2008	Cash	7	25,194	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	30354	2008	Cash	7	25,194	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	30360 2	2008	Cash	7	25,818	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Tractor (60 Hp)	30412	2008	Cash	10	33,832	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tractor (60 Hp)	30413	2008	Cash	10	33,832	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	30446	2009	Debt	7	189,085	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rubber Tire Loader	31068	2010	Debt	7	154,164	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tandem Dump	31143	2008	Debt	10	247,127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Tandem Dump	31144	2008	Debt	10	247,127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Rubbish Truck (Crew Cab)	31320 2	2011	Debt	8	157,851	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Knuckle Boom (Trash)	31324	2011	Debt	8	213,936	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Knuckle Boom (Trash)	31325		Debt	8	213,936	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Knuckle Boom (Trash)	31326		Debt	8	213,936	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Knuckle Boom (Trash)	31327	2011	Debt	8	213,936	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	31330 2		Debt	8	370,958	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	31332		Debt	8	370,958	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	31333		Debt	8	370,958	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	31334		Debt	8	370,958	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	31336 2		Debt	8	370,958	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	31337		Debt	8	370,958	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	31341		Debt	8	195,529	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	31341 2		Debt	8	195,529	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 6 Yd	31342		Debt	6	136,872	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 6 Yd	31344 2		Debt	6	136,872											
Mini Rear Loader - 6 Yd	31344 2		Debt	6		0.00	0.00	0.00 0.00	0.00 0.00	0.00 1.00	1.00 0.00	0.00 0.00	0.00	0.00 0.00	0.00 0.00	0.00
					136,872											1.00
Mini Rear Loader - 6 Yd	31346		Debt	6 8	136,872	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Rubbish Truck (Crew Cab)	31405		Debt		157,851	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Rubbish Truck (Crew Cab)	31406		Debt	8	157,851	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Tandem Dump	31407		Debt	10	228,118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Passenger Car - Heavy (C.W. 3,500 Lbs And Over)	31803		Cash	7	36,180	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Street Sweeper - 3 Wheel	31892		Debt	6	240,989	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tractor (60 Hp)	31906 2		Cash	10	28,647	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tractor (60 Hp)	31907 2		Cash	10	28,647	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tractor (60 Hp)	31908 2		Cash	10	28,647	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tractor (60 Hp)	31909 2		Cash	10	28,647	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tractor (60 Hp)	31910 2		Cash	10	28,647	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Tractor (60 Hp)	31911		Cash	10	28,647	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Front Loader Refuse	31940 2	2012	Debt	8	330,994	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Front Loader Refuse	31941		Debt	8	330,994	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Uniloader	32040 2	2013	Cash	10	56,403	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Suv - Large (C.W. 4,751 - 5,750 Lbs)	32171 2	2013	Debt	10	55,732	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Pickup - 3/4 Ton	32195	2014	Cash	10	47,911	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1/2 Ton	32196	2013	Cash	7	29,970	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Suv - Midsize (C.W. 3,751 - 4,750 Lbs)	32268	2014	Cash	7	34,097	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Pickup - 3/4 Ton	32270 2	2014	Cash	7	38,362	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Pickup - 3/4 Ton	32271 2	2014	Cash	7	38,362	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Pickup - 3/4 Ton	32272	2014	Cash	7	43,544	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Pickup - 3/4 Ton	32273	2014	Cash	7	38,362	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Pickup - 3/4 Ton	32274		Cash	7	38,362	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Pickup - 3/4 Ton	32275 2		Cash	7	38,362	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
p =/=				•	30,302	00	_,00	00	00		2.00	2.00	00	00	2.00	2.30

Schedule 10 - Vehicle Replacement Program

Part Lander 3232 2014	Vehicle	Unit Year	Cash/Deb Funded?		Replacement Cost	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Fixeurs - 24 Ton 32278 2014 Cash 7 38,385 1.00 0.00	Pickup - 3/4 Ton	32276 2014	Cash	7	38.362	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Fishup - 34 To n Fishup	• •															
Page	• •			7	,											
Sus-Small (CW. 3,001 - 3,750 lbs)																
Saw-Small (CW. 3,001 - 3,790 las)	•			7				0.00						0.00		
Save-Small (C.W.) 2001 - 3,790 Lbs)				7												
Rear Loader 3234 2014 Oebt 8 386,071 O.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0	Suv - Small (C.W. 3,001 - 3,750 Lbs)			7												
Rear Loader 3234 2014 Oebt 8 386,071 O.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0	Rear Loader			8	,	0.00			0.00	0.00	0.00	1.00	0.00	0.00	0.00	
Rent Loader 3305 7014 Delta 8 386,071 D.00 D.0	Rear Loader			8												
Rear Loader 32305 2014 Debt 8 386,071 0.00 0.0	Rear Loader	32304 2014	Debt	8	386,071	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Rer Loader 3330 701																
New Loader 3290 2014 Debt 8 38.6071 0.00 0.0				8												
Ren Lander 3298 2014																
Rear Loader 3230 2014 belt 8 386.071 0.00 0.00 0.00 0.00 0.00 0.00 0.00																
Rear Loader 3231 0014 bett 8 386.071 0.00 0.00 0.00 0.00 0.00 0.00 0.00																
Rear Loader 3211 2014																
Rear Loader 32312 2014 Debt 8 386,071 1.00 0				8	,											
Rear Loader 82312 2014 beth 8 386,071 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0																
Rear Loader 82315 2014																
Rear Loader 32315 2014 Debt 8 386,071 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0																
Rear Loader 3231 2014																
Rear Loader 3231 2014																
Rear Loader 32318 2014																
Rear Loader 3239 2014				-	,											
Rear Loader Rear Loader 3231 2014					,											
Rear Loader 3231 2014																
Rubber Tire Loader Rubber Tire L					,											
Pickup - 1/2 Ton 3234 014 Cash 7 38,074 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0					,											
Pickup - 1/2 Ton 3234 2014 Cash 7 23,476 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0																
Pickup - 1/2 Ton 3234 2014 Cash 7 23,476 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	' '				,											
Pickup - 1/2 Ton 32342 2014 Cash 7 23,476 0.00	•															
Pickup - 1/2 Ton 32343 2014 Cash 7 23,476 1.00 0.00	•															
Pickup - 1/2 Ton 32344 2013 Cash 7 26,625 0.00	• •															
Mini Rear Loader - 6 Yd 32356 2014 Debt 6 128,440 0.00 0.00 0.00 0.00 0.00 0.00 0.00	• •				,											
Mini Rear Loader - 6 Yd 32356 2014 Debt 6 128,440 0.00 0.00 0.00 0.00 0.00 0.00 0.00	•				,											
Mini Rear Loader - 6 Yd 32357 2014 Debt 6 128,440 0.00 0.00 0.00 0.00 0.00 0.00 0.00					,											
Knuckle Boom (Trash) 3235 2014 Debt 8 211,465 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0					,											
Knuckle Boom (Trash) 32359 2014 Debt 8 211,465 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.																
Knuckle Boom (Trash) 32360 2014 Debt 8 211,465 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	, ,			-	,											
Knuckle Boom (Trash) 32361 2014 Debt 8 211,465 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.																
Tandem Dump 32363 2015 Debt 10 186,716 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.	, ,				,											
Tandem Dump 32364 2015 Debt 10 186,716 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.																
Tandem Dump 32365 2015 Debt 10 186,716 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.					,											
Tandem Dump 32366 2015 Debt 10 186,716 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.																
Rubbish Truck (Crew Cab) 32370 2015 Debt 8 140,312 0.00	•															
Rubbish Truck (Crew Cab) 32371 2015 Debt 8 140,312 0.00 1.00 0.00	'				,											
Truck Mounted Sweeper 28K 3248 2015 Debt 8 248,712 1.00 0.00<																
Truck Mounted Sweeper 28K 32489 2015 Debt 8 248,712 1.00 0.00	,				,											
Truck Mounted Sweeper 28K 32490 2015 Debt 8 248,712 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00																
, , , , , , , , , , , , , , , , , , , ,	·															
	Truck Mounted Sweeper 28K Truck Mounted Sweeper 28K	32490 2015	Debt	8	248,712	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

Schedule 10 - Vehicle Replacement Program

			Cash/Debt	Life	Replacement											
Vehicle	Unit	Year	Funded?	Cycle	Cost	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Truckster - Standard	32493	2014	Cash	6	18,983	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Truckster - Standard	32494	2014	Cash	6	18,983	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Truck Mounted Sweeper 28K	32724	2015	Debt	8	248,712	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Truck Mounted Sweeper 28K	32725	2015	Debt	8	248,712	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Truck Mounted Sweeper 28K	32726	2015	Debt	8	248,712	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Truck Mounted Sweeper 28K	32727	2015	Debt	8	248,712	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Tandem Dump	32981	2015	Debt	10	186,108	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 6 Yd	32982	2015	Debt	6	174,952	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 6 Yd	32983	2015	Debt	6	174,952	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Truck Mounted Sweeper 28K	33073	2015	Debt	8	248,712	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Truck Mounted Sweeper 28K	33074	2015	Debt	8	248,712	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Front Loader Refuse	33114	2015	Debt	8	404,029	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Front Loader Refuse	33115	2015	Debt	8	404,029	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Uniloader	33117	2015	Debt	7	167,000	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Sedan - Hybrid	33312	2017	Cash	7	60,000	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Sedan - Hybrid	33313	2017	Cash	7	60,000	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Sedan - Hybrid	33314	2017	Cash	7	60,000	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Sedan - Hybrid	33316	2017	Cash	7	60,000	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Suv - Midsize (C.W. 3,751 - 4,750 Lbs)	33393	2016	Cash	7	59,319	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Suv - Midsize (C.W. 3,751 - 4,750 Lbs)	33487	2016	Cash	7	33,969	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Pickup - 3/4 Ton	33588	2017	Cash	7	38,317	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Pickup - 3/4 Ton	33589	2017	Cash	7	38,317	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Sedan - Electric	33594	2015	Debt	7	60,000	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Sedan - Electric	33595	2015	Debt	7	60,000	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Rear Loader	33615	2017	Debt	8	317,153	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	33616	2017	Debt	8	317,153	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Rear Loader	33617	2017	Debt	8	317,153	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Rear Loader	33618	2017	Debt	8	317,153	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	34050	2018	Debt	8	197,200	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34051	2018	Debt	8	197,200	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Rear Loader	34052	2018	Debt	8	197,200	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Rear Loader	34053	2018	Debt	8	194,300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Side Loader	34054	2018	Debt	8	282,330	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34057	2018	Debt	8	194,300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Rear Loader	34058	2018	Debt	8	194,300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Rear Loader	34064	2018	Debt	8	194,300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Rear Loader	34091	2018	Debt	8	194,300	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Side Loader	34158	2019	Debt	8	369,257	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34159	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Side Loader	34160	2019	Debt	8	369,257	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34161	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34162	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34163	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34164	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Rear Loader	34165	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34166	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34167	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34168		Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34169	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Side Loader	34170		Debt	8	369,257	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Side Loader	34171	2019	Debt	8	369,257	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
					,											

Schedule 10 - Vehicle Replacement Program

			Cash/Debt	Life	Replacement											
Vehicle	Unit	Year	Funded?	Cycle	Cost	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Side Loader	34172	2019	Debt	8	369,257	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34173	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34183	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34184	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34185	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34301	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	34317	2019	Debt	8	179,785	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	34371	2019	Debt	8	179,785	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	34372	2019	Debt	8	179,785	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	34373	2019	Debt	8	179,785	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Mini Rear Loader - 11 Yd	34374	2019	Debt	8	179,785	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34375	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34376	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34377	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34378	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34379	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34380	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34381	2019	Debt	8	334,711	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34391	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34392	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34393	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34401		Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34402	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34414	2019	Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34416		Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	34417		Debt	8	334,711	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Truck - Refrigerator	34538		Debt	8	60,146	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rubber Tire Loader W/Backhoe	34861		Debt	7	301,148	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Van - Mini	32793		Debt	7	47,951	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Van - Mini	35467		Debt	7	70,225	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Van - 15 Passenger	28461		Debt	7	30,627	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Truck - Stake 11 Gvw (Crew Cab)	27839		Debt	7	78,365	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Truck - Service 11 Gvw (Crew Cab)	29496		Debt	7	65,779	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Suv - Midsize (C.W. 3,751 - 4,750 Lbs)	35473		Debt	7	52,947	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Rear Loader	35296		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	35297		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	35298		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	35299		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	35315		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	35316		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	35317		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	35318		Debt	8	328,407	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Rear Loader	31839		Debt	7	290,533	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31820		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31821		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31822		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31823		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31824		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31829		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31830		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31834		Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
ileai Loadei	31034	2013	Dent	,	240,000	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00

Schedule 10 - Vehicle Replacement Program

		(Cash/Debt	Life	Replacement											
Vehicle	Unit	Year	Funded?	Cycle	Cost	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Rear Loader	31837	2013	Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31841	2013	Debt	7	246,088	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Rear Loader	31842	2013	Debt	7	290,533	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Pickup - Compact	34692	2020	Debt	7	29,002	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Pickup - Compact	34697	2020	Debt	7	29,002	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Pickup - Compact	34698	2020	Debt	7	29,002	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Pickup - Compact	34699	2020	Debt	7	29,002	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Pickup - 1 Ton	35168	2021	Debt	7	55,631	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Pickup - 1 Ton	35169	2021	Debt	7	55,631	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Bus (30 Passenger)	28550	2005	Debt	7	95,340	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2022 Freightliner M2-106 Sweep	35575	2023	Debt	7	273,728	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2022 Freightliner M2-106 Sweep	35576	2023	Debt	7	273,728	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2022 Freightliner M2-106 Sweep	35577	2023	Debt	7	273,728	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Cash Funded						\$ 784,675	423,816	269,719	155,223	38,317	554,241	123,472	638,263	224,707	327,785	242,826
Debt Funded						\$ 5,934,354	3,268,943	1,803,353	7,488,507	4,699,247	7,694,561	10,317,184	5,146,987	7,480,170	3,333,538	5,547,894
Total Cost						\$ 6,719,028	3,692,759	2,073,073	7,643,730	4,737,564	8,248,802	10,440,656	5,785,250	7,704,877	3,661,323	5,790,719

Schedule 11 - Additional Employees

Position	F	Y 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
Total Salary	\$ -	-	-	-	-	-	-	-	-	-	-	-

Atlanta, GA Solid Waste Operational Analysis

Appendix B Results as of Mar 21, 2024



Inputs & Assumptions

Scenario A - 5 Day Week to 4 Day Week

Scenario B - Rear Load to Automated Side Load

Scenario C - Weekly to Biweekly Yard Trimming Collection

Scenario D - Loose Yard Trimming Collection to Collection in Carts

Scenario E - Cart Repairs & Maintenance

Scenario F - Reduce Vehicle Maintenance Expense

SCS ENGINEERS

Management Services

Inputs & Assumptions

					Source
Gallons/CY	201.97403				
Lbs/CY of MSW - Compacted	700				EPA data
Lbs/CY of Yard Trimmings - Compacted	640				EPA data
			Total		
			Containers		
	6.16.1	Set Out	in Field		
Total Household Stans/March, MCAM	Set Outs 60,000	Rate 60%	(Rounded)		Estimated based on trucks in field, time perston route time
Total Household Stops/Week - MSW Total Household Stops/Week - Yard Trimmings	32,500	33%	100,000		Estimated based on trucks in field, time per stop, route time Estimated based on trucks in field, time per stop, route time
Total Household Stops, Week - Fard Hillimings	32,300	3376	100,000		Estimated based of frocks in field, fifte per stop, route fifte
		with			
	Base	Benefits	Overtime		
Hourly Rate for Drivers	\$22.00	\$30.80	\$33.00		City staff input
Hourly Rate for Helpers Benefits Multiplier	\$16.25 40%	\$22.75	\$24.38		City staff input
berteins Wompher	4070				
				Max	
	Cost	Life	MPG	Weight (Tons)	
Cost/Useful Life - RL Truck	\$380,000	8	8	12.5	City staff input
Cost/Useful Life - ASL Truck	\$390,000	8	8	13.5	City staff input
Cost/Useful Life - Repair Truck	\$35,000	7	25		City staff input
Cart Price	\$54.00	10]		City staff input
Regular Fuel/Gallon	\$2.75				Recent fuel prices in Atlanta
Diesel Fuel/Gallon	\$3.14				Recent fuel prices in Atlanta
RL Drivers/Truck	1				City staff input
RL Helpers/Truck	2				City staff input
ASL Drivers/Truck	1				City staff input
ASL Helpers/Truck	1				City staff input
		Yard			
Accesses Share (University)		Trimming	1		Davida data arashais Cita daffiana d
Average Stops/Hour Average Lbs/Stop	132.00 57.00	66.00 94.00			Route data analysis, City staff input Route data analysis
Average Trip Time	3.80	3.60			Route data analysis
Average Trip Miles	21.40	27.40			Route data analysis
Time to Leave Route, Tip, and Return	1.00	1.00	1		Assumption based on distance to disposal facilities, time to tip
Relative Time to Collect	1.00	2.00			Assumption based on route times and industry experience
	5 Day	4 Day			
Hours of Regular Route Time	6	8	1		
Hours of Overtime	2	0	1		
% of Employees Working Overtime	15%	0%]		
Budgeted Repair & Maintenance Cost (Rounded)	\$6,075,000				City data
Vehicles in City Inventory	268				City data
Current R&M Cost/Vehicle (Rounded)	\$23,000				

Scenario A - 5 Day Week to 4 Day Week

VtO.	ne	nar	Trip
$\mathbf{J} \mathbf{I} \mathbf{U}$	v	\sim	IIID

	W	SW	Yard Tr	imming
	5 Day	4 Day	5 Day	4 Day
Maximum Pounds/Truck Average Pounds/Stop	25,000 57	25,000 57	25,000 94	25,000 94
Maximum Stops/Trip (Rounded) - Weight	439	439	266	266
Average Trip Time (In Field)	3.80	4.75	3.60	4.50
Average Stops/Hour	132	132	66	66
Average Stops/Trip (Rounded)	502	627	238	297

Trips/Day

	W	SW	Yard Tr	imming
	5 Day	4 Day	5 Day	4 Day
Total Stops Weekly	60,000	60,000	32,500	32,500
Working Days/Week	5	4	5	4
Stops/Day	12,000	15,000	6,500	8,125
Stops/Trip to Landfill/Transfer Station	439	439	238	266
Trips Needed/Day	27	34	27	31

Trucks

	M:	SW	Yard Tı	imming
	5 Day	4 Day	5 Day	4 Day
Regular Work Hours/Day (On Route)	6	8	6	8
% of Employees Working Overtime	15%	0%	15%	0%
Overtime Hours per Day	2	0	2	0
Time per Trip (Total Time)	4.80	5.75	4.60	5.50
Trips/Day/Truck (Rounded)	1.31	1.39	1.37	1.45
Trips Needed/Day	27	34	27	31
Trucks Needed	21	25	20	22
Annual Cost/Truck	\$47,500	\$47,500	\$47,500	\$47,500
Annual Truck Cost (Rounded)	\$1,000,000	\$1,190,000	\$950,000	\$1,045,000
Additional Annual Truck Cost (Savings)		\$190,000		\$95,000

Labor Cost Comparison

	M:	SW	Yard Tr	imming
	5 Day	4 Day	5 Day	4 Day
Trucks Required	21	25	20	22
Drivers/Truck	1	1	1	1
Helpers/Truck	2	2	2	2
Total Staff Required	63	75	60	66
Hourly Rate - Driver	\$30.80	\$30.80	\$30.80	\$30.80
Hourly Rate - Helper	\$22.75	\$22.75	\$22.75	\$22.75
Hours/Year	2,080	2,080	2,080	2,080
Annual Regular Labor Cost (Rounded)	\$3,350,000	\$3,975,000	\$3,175,000	\$3,500,000
% of Employees Working Overtime	15%	0%	15%	0%
Overtime Hourly Rate - Driver	\$33.00	\$33.00	\$33.00	\$33.00
Overtime Hourly Rate - Helper	\$24.38	\$24.38	\$24.38	\$24.38
Annual Overtime Cost (Rounded)	\$135,000	\$0	\$130,000	\$0
Total Annual Labor Cost	\$3,485,000	\$3,975,000	\$3,305,000	\$3,500,000
Additional Annual Labor Cost (Savings)		\$490,000		\$195,000

Fuel Cost Comparison

MSW Yard Trimming

Scenario A - 5 Day Week to 4 Day Week

	5 Day	4 Day	5 Day	4 Day
Days/Week	5	4	5	4
Weeks/Year	52	52	52	52
Time per Trip (Total Time)	4.80	5.75	4.60	5.50
Trips	27.00	34.00	27.00	31.00
Annual Trip Hours (Rounded)	33,700	40,700	32,300	35,500
Miles per Gallon	8.00	8.00	8.00	8.00
Miles per Trip	21.40	25.64	27.40	32.76
Gallons/Trip	2.68	3.20	3.43	4.10
Time per Trip (Total Time)	4.80	5.75	4.60	5.50
Gallons/Trip Hour	0.56	0.56	0.75	0.75
Annual Fuel Consumption (Gallons)	18,816	22,650	24,085	26,464
Diesel Fuel/Gallon	\$3.14	\$3.14	\$3.14	\$3.14
Annual Fuel Cost (Rounded)	\$60,000	\$75,000	\$80,000	\$85,000
Additional Annual Fuel Cost (Savings)		\$15,000		\$5,000

Repair & Maintenance (R&M) Cost Comparison

	M	SW	Yard Trimming		
	5 Day	4 Day	5 Day	4 Day	
Trucks Required Annual R&M/Truck	21.00 \$23,000	25.00 \$23,000	20.00 \$23,000	22.00 \$23,000	
R&M Cost (Rounded)	\$485,000	\$575,000	\$460,000	\$510,000	
Additional Annual R&M Cost (Savings)		\$90,000		\$50,000	

Total Estimated Cost (Savings)

	M	MSW		rimming
	5 Day	4 Day	5 Day	4 Day
Trips Needed/Day	27	34	27	31
Trucks Needed	21	25	20	22
Staff	63	75	60	66
Labor		\$490,000		\$195,000
Vehicles		\$190,000		\$95,000
Fuel		\$15,000		\$5,000
Repairs & Maintenance		\$90,000		\$50,000
Total Estimated Cost (Savings)		\$785.000		\$345.000

Scenario B - Rear Load to Automated Side Load

Labor Cost Comparison

		MSW		,	Yard Trimmi	ng
% of Trucks Converting to ASL 75%	Current All RL	Proposed RL	Proposed ASL	Current All RL	Proposed RL	Proposed ASL
Tons/Truck	12.5	12.5	13.5	12.5	12.5	13.5
Total Tons (Capacity)	250	63	189	250	63	189
Trucks Required	20	5	14	20	5	14
Drivers/Truck	1	1	1	1	1	1
Helpers/Truck	2	2	1	2	2	1
Total Staff Required	60	15	28	60	15	28
Hourly Rate - Driver	\$30.80	\$30.80	\$30.80	\$30.80	\$30.80	\$30.80
Hourly Rate - Helper	\$22.75	\$22.75	\$22.75	\$22.75	\$22.75	\$22.75
Hours/Year	2,080	2,080	2,080	2,080	2,080	2,080
Annual Base Labor Cost (Rounded)	\$3,175,000	\$795,000	\$1,560,000	\$3,175,000	\$795,000	\$1,560,000
% of Employees Working Overtime	25%	25%	25%	25%	25%	25%
Daily Overtime Hours	2	2	2	2	2	2
Overtime Hourly Rate - Driver	\$33.00	\$33.00	\$33.00	\$33.00	\$33.00	\$33.00
Overtime Hourly Rate - Helper	\$24.38	\$24.38	\$24.38	\$24.38	\$24.38	\$24.38
Annual Overtime Cost (Rounded)	\$215,000	\$55,000	\$105,000	\$215,000	\$55,000	\$105,000
Total Annual Labor Cost	\$3,390,000	\$850,000	\$1,665,000	\$3,390,000	\$850,000	\$1,665,000
Additional Annual Labor Cost (Savi	ngs)		(\$875,000)			(\$875,000)

Trucks

		MSW			Yard Trimming			
	Current All RL	Proposed RL	Proposed ASL	Current All RL	Proposed RL	Proposed ASL		
Trucks Required Annual Cost/Truck	20 \$47,500	5 \$47,500	14 \$48,750	20 \$47,500	5 \$47,500	14 \$48,750		
Annual Truck Cost	\$950,000	\$237,500	\$682,500	\$950,000	\$237,500	\$682,500		
Additional Annual Truck Co	st (Savings)		(\$30,000)			(\$30,000)		

Total Estimated Cost (Savings) - First Year

	MSW		MSW		Yard Trimming		Yard Trimming
	Current All RL	Proposed RL	Proposed ASL	_	Current All RL	Proposed RL	Proposed ASL
Initial Cart Cost			\$4,050,000				
Labor for Cart Roll Out			\$251,250				
Labor			(\$875,000)				(\$875,000)
Vehicles			(\$30,000)				(\$30,000)
Total Estimated Cost (Savings) - First	Year		\$3,396,250				(\$905,000)

Total Estimated Cost (Savings) - Future Years

	MSW		MSW	Yard Tı	rimming	Yard Trimming
	Current All RL	Proposed RL	Proposed ASL	Current All RL	Proposed RL	Proposed ASL
Labor			(\$875,000)			(\$875,000)
Vehicles			(\$30,000)			(\$30,000)
Total Estimated Cost (Savings) - Futu	re Years		(\$905,000)			(\$905,000)

Scenario C - Weekly to Biweekly Yard Trimming Collection

Stons	nor	Trin

stops per trip			_
	Yard Tı	imming	-
	Weekly	Biweekly	_
Maximum Pounds/Truck Average Pounds/Stop	25,000 94	25,000 141	1.5 Weight multiplier for biweekly collection
Maximum Stops/Trip (Rounded)	266	177	-
Average Trip Time (In Field) Average Homes/Hour	3.60 66	3.60 44	1.5 Time per stop multiplier for biweekly collection
Average Stops/Trip (Rounded)	238	158	_

Trips/Day

	Yard	Trimming
	Weekly	Biweekly
Total Containers to Collect	32,500	16,250
Working Days/Week	5	5
Containers Collected/Day	6,500	3,250
Containers/Trip	238	158
Trips Needed/Day	27	21

Trucks

	Yard T	Yard Trimming	
	Weekly	Biweekly	
Regular Work Hours/Day (On Route)	6	6	
% of Employees Working Overtime	15%	0%	
Overtime Hours per Day	2	2	
Time per Trip (Total Time)	4.60	4.60	
Trips/Day/Truck	1.37	1.30	
Trips Needed/Day	27	21	
Trucks Needed	20	17	
Annual Cost/Truck	\$47,500	\$47,500	
Annual Truck Cost (Rounded)	\$950,000	\$810,000	
Additional Annual Truck Cost (Savings)		(\$140,000)	

Labor Cost Comparison

	Yard Tı	Yard Trimming	
	Weekly	Biweekly	
Trucks Required	20	17	
Drivers/Truck	1	1	
Helpers/Truck	2	2	
Total Staff Required	60	51	
Hourly Rate - Driver	\$30.80	\$30.80	
Hourly Rate - Helper	\$22.75	\$22.75	
Hours/Year	2,080	2,080	
Annual Regular Labor Cost (Rounded)	\$3,175,000	\$2,700,000	
% of Employees Working Overtime	15%	15%	
Overtime Hourly Rate - Driver	\$33.00	\$33.00	
Overtime Hourly Rate - Helper	\$24.38	\$24.38	
Annual Overtime Cost (Rounded)	\$130,000	\$110,000	
Total Annual Labor Cost	\$3,305,000	\$2,810,000	
Additional Annual Labor Cost (Savings)		(\$495,000)	

Fuel Cost Comparison

	Yard Tı	Yard Trimming	
	Weekly	Biweekly	
Days/Week	5	4	
Weeks/Year	52	52	
Time per Trip (Total Time)	4.60	4.60	
Trips	27.00	21.00	
Annual Trip Hours (Rounded)	32,300	20,100	
Miles per Gallon	8.00	8.00	
Miles per Trip	27.40	27.40	
Gallons/Trip	3.43	3.43	
Time per Trip (Total Time)	4.60	4.60	
Gallons/Trip Hour	0.75	0.75	
Annual Fuel Consumption (Gallons - Rounded))	24,100	15,000	
Diesel Fuel/Gallon	\$3.14	\$3.14	
Annual Fuel Cost (Rounded)	\$80,000	\$50,000	
Additional Annual Fuel Cost (Savings)		(\$30,000)	

Scenario C - Weekly to Biweekly Yard Trimming Collection

Repair & Maintenance (R&M) Cost Comparison			
	Yard T	rimming	
	Weekly	Biweekly	
Trucks Required	20.00	17.00	
Annual R&M/Truck	\$23,000	\$23,000	
R&M Cost (Rounded)	\$460,000	\$395,000	
Additional Annual R&M Cost (Savings)		(\$65,000)	
Total Estimated Cost (Savings)			
	Yard T	Yard Trimming	
	Weekly	Biweekly	
Trips Needed/Day	27	21	

	Weekly	Biweekly
Trips Needed/Day	27	21
Trucks Needed	20	17
Staff	60	51
Contract Labor (Rounded)		(\$1,840,000)
Vehicles		(\$140,000)
Labor		(\$495,000)
Fuel		(\$30,000)
Repairs & Maintenance		(\$65,000)
Total Estimated Cost (Savings)		(\$2,570,000)

Scenario D - Loose Yard Trimming Collection to Collection in Carts

Stops per Trip		
	Yard Tı Loose	rimming Carts
Maximum Pounds/Truck	25,000	25,000
Average Pounds/Stop	94	94
Maximum Stops/Trip (Rounded)	266	266
Average Trip Time (In Field)	3.60	3.80
Average Stops/Hour	66	132
Average Stops/Trip (Rounded)	238	502
Trips/Day		
	Yard Tı Loose	rimming Carts
Total Containers to Collect	32,500	32,500
Working Days/Week	5	5
Containers Collected/Day	6,500	6,500
Containers/Trip	238	266
Trips Needed/Day	27	24
Cart Cost		
	Yard Tı Loose	rimming Carts
Price of Cart	\$0.00	\$54.00
Useful Life		10
Amortized Cart Cost/Year		ĈE 40
		\$5.40
Total Carts in Field		100,00
Total Carts in Field		
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded		100,00
		\$540,000 \$540,000 rimming
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out	Yard Ti Loose	\$540,000 \$540,000 rimming Carts
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers		\$540,00 \$mming Carts
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers		\$540,000 \$540,000 rimming Carts
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time		100,000 \$540,000 rimming Carts
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time		\$540,000 \$540,000 rimming Carts 3 3 100% 6.0
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver		\$540,000 \$540,000 rimming Carts 3 3 100%
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper		100,000 \$540,000 rimming Carts 3 3 100% 6.0 \$30.80
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year		100,000 \$540,000 rimming Carls 3 3 100% 6.0 \$30.80 \$22.75
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time	Loose	100,000 \$540,000 rimming Carls 3 3 100% 6.0 \$30.80 \$22.75 2,080 \$335,000
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded	Loose	100,000 \$540,000 rimming Carts 3 3 100% 6.0 \$30.86 \$22.75 2,080
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded Trucks	Loose	100,000 \$540,000 rimming Carls 3 3 100% 6.0 \$30.88 \$22.75 2,080 \$335,000
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded Trucks Regular Work Hours/Day (On Route)	Loose Yard Ti Loose	100,000 \$540,000 rimming Carts 3 3 100% 6.0 \$30.80 \$22.75 2,080 \$335,000
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded Trucks Regular Work Hours/Day (On Route) % of Employees Working Overtime Overtime Hours per Day	Loose Yard Ti Loose 6 15% 2	100,000 \$540,00 rimming Carls 3 3 100% 6.0 \$30.80 \$22.75 2.080 sassionates carls 6 0% 2
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded Trucks Regular Work Hours/Day (On Route) % of Employees Working Overtime Overtime Hours per Day Time per Trip (Total Time)	Vard Tr Loose 6 15% 2 4.60	100,000 \$540,000 rimming Carls 3 3 100% 6.0 \$30.80 \$22.75 2,080 \$335,000 rimming Carls 6 0% 2 4.80
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded Trucks Regular Work Hours/Day (On Route) % of Employees Working Overtime Overtime Hours per Day Time per Trip (Total Time) Trips/Day/Truck	Loose Yard Ti Loose 6 15% 2	100,00 \$540,00 rimming Carts 3 3 100% 6.0 \$30.80 \$22.75 2,080 \$335,000 rimming Carts 6 0% 2
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded Trucks Regular Work Hours/Day (On Route) % of Employees Working Overtime Overtime Hours per Day Time per Trip (Total Time) Trips/Day/Truck Trips/Day/Truck Trips Needed/Day	Yard Tr Loose 6 15% 2 4.60 1.37 27	100,000 \$540,00 rimming Carls 3 3 100% 6.0 \$30,80 \$22,75 2,080 \$335,00 rimming Carls 6 0% 2 4,80 1.25 24
Total Carts in Field Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded Trucks Regular Work Hours/Day (On Route) % of Employees Working Overtime Overtime Hours per Day Time per Trip (Total Time) Trips/Day/Truck Trucks Needed Trucks Needed	Vard Ti Loose 6 15% 2 4.60 1.37	100,000 \$540,000 rimming Carls 3 3 100% 6.0 \$30,80 \$22,75 2,080 \$335,000 rimming Carls 6 0% 2 4,80 1.25
Additional Annual Cart Cost (Savings) - Rounded Staff for Cart Roll Out Additional Staff Required - Drivers Additional Staff Required - Helpers % of Time Total Staff Hourly Rate - Driver Hourly Rate - Helper Hours/Year Additional Annual Labor Cost (Savings) - Rounded	Yard Ti Loose	100,000 \$540,000 rimming Carls 3 3 100% 6.0 \$30.80 \$22.75 2,080 \$335,000 rimming Carls 6 0% 2 4.80 1.25 24

Scenario D - Loose Yard Trimming Collection to Collection in Carts

Labor Cost Comparison		
	Yard Trii Loose	mming Carts
Trucks Required	20	20
Drivers/Truck	20	1
Helpers/Truck	2	1
Total Staff Required	60	40
Hourty Poto Driver	\$20.00	\$30.80
Hourly Rate - Driver Hourly Rate - Helper	\$30.80 \$22.75	\$22.75
Hours/Year	2,080	2,080
Annual Regular Labor Cost (Rounded)	\$3,175,000	\$2,230,000
% of Employees Working Overtime	25% \$33.00	25%
Overtime Hourly Rate - Driver Overtime Hourly Rate - Helper	\$33.00 \$24.38	\$33.00 \$24.38
Annual Overtime Cost (Rounded)	\$215,000	\$150,000
Total Annual Labor Cost	\$3,390,000	\$2,380,000
Additional Annual Labor Cost (Savings)		(\$1,010,000
Fuel Cost Comparison	Yard Tri	mmina
	Loose	Carts
Days/Week	5	5
Weeks/Year Time per Trip (Total Time)	52 4.60	52 4.80
Trips	27.00	24.00
Annual Trip Hours (Rounded)	32,300	30.000
Miles per Gallon	8.00	8.00
Miles per Trip	27.40	28.59
Gallons/Trip	3.43	3.57
Time per Trip (Total Time)	4.60	4.80
Gallons/Trip Hour	0.75	0.74
Annual Fuel Consumption (Gallons) Diesel Fuel/Gallon	24,085 \$3.14	22,313 \$3.14
Annual Fuel Cost (Rounded)	\$80,000	\$75,000
Additional Annual Fuel Cost (Savings)		(\$5,000)
Repair & Maintenance (R&M) Cost Comparison		
	Yard Tri	-
	Loose	Carts
Trucks Required Annual R&M/Truck	20.00 \$23,000	20.00 \$23,000
R&M Cost	\$460,000	\$460,000
Additional Annual R&M Cost (Savings)		\$0
		
Total Estimated Cost (Savings) - 1st Year	Yard Trie	mmina
	Loose	Carts
Trips Needed/Day Total Staff Required	27 60	24 46.0
Initial Cart Cost		
Labor for Carl Roll Out		\$5,400,000 \$335,000
Labor		(\$1,010,000
Vehicles		\$25,000
F = I		(\$5,000) \$0
Fuel Repairs & Maintenance		\$4,745,000
Repairs & Maintenance Total Estimated Cost (Savings) - 1st Year		
Repairs & Maintenance	Yard Tri	-
Repairs & Maintenance Total Estimated Cost (Savings) - 1st Year Total Estimated Cost (Savings) - Future Years	Loose	Carts
Repairs & Maintenance Total Estimated Cost (Savings) - 1st Year Total Estimated Cost (Savings) - Future Years Trips Needed/Day		-
Repairs & Maintenance Total Estimated Cost (Savings) - 1st Year Total Estimated Cost (Savings) - Future Years Trips Needed/Day Total Staff Required		24 40
Repairs & Maintenance Total Estimated Cost (Savings) - 1st Year Total Estimated Cost (Savings) - Future Years Trips Needed/Day Total Staff Required Carts		Carts 24
Repairs & Maintenance Total Estimated Cost (Savings) - 1st Year Total Estimated Cost (Savings) - Future Years Trips Needed/Day Total Staff Required Carts Labor Vehicles		24 40 \$540,000 (\$1,010,000 \$25,000
Repairs & Maintenance Total Estimated Cost (Savings) - 1st Year Total Estimated Cost (Savings) - Future Years Trips Needed/Day		Carts 24 40 \$540,000 (\$1,010,000

Scenario E - Cart Repairs & Maintenance

Cart Cost		
		with Cart
	Current	R&M
Price of Cart	\$54.00	\$54.00
Useful Life	7	10
Amortized Cart Cost/Year	\$7.71	\$5.40
Total Carts	100,000	100,000
Annual Cost (Rounded)	\$775,000	\$540,000
Carts Repaired/Year		4,286
Cart Supply Cost/Repair		\$5.00
Annual Supply Cost (Rounded)	\$0	\$25,000
Additional Annual Cart Cost (Savings)		(\$210,000)

Trucks

	Current	w Cart Repair
Additional Trucks Required Annual Cost/Truck	0 \$5,000	2 \$5,000
Annual Truck Cost	\$0	\$10,000
Additional Annual Truck Cost (Savings)		\$10,000

Labor Cost Comparison

	Current	w Cart Repair
Additional Staff Required Staff Time Dedicated to Disposal - Current	0 0.39	2
Total Staff	0.39	2.0
Hourly Rate Hours/Year	\$22.75 2,080	\$22.75 2,080
Total Annual Cost/Employee (Rounded) Staff Required	\$50,000 0.4	\$50,000 2.0
Annual Labor Cost (Rounded)	\$20,000	\$100,000
Additional Annual Labor Cost (Savings)		\$80,000

Scenario E - Cart Repairs & Maintenance

Fuel Cost Comparison		
		w Cart
	Current	Repair
Days/Week	5	5
Weeks/Year	52	52
Daily Miles Driven/Truck	0.00	30.00
Trucks	0.00	2.00
Annual Trip Miles (Rounded)	0	15,600
Miles per Gallon	25.00	25.00
Annual Fuel Consumption (Gallons)	0	624
Fuel/Gallon	\$2.75	\$2.75
Annual Fuel Cost (Rounded)	\$0	\$5,000
Additional Annual Fuel Cost (Savings)		\$5,000

Repair & Maintenance (R&M) Cost Comparison

	Current	w Cart Repair
Trucks Required Annual R&M/Truck	0.00 \$2,500	2.00 \$2,500
R&M Cost	\$0	\$5,000
Additional Annual R&M Cost (Savings)		\$5,000

Total Estimated Cost (Savings)

retail zeminarea eeer (earmige)		
	Current	w Cart Repair
Additional Staff Required	0	2
Additional Trucks Required	0	2
Carts		(\$210,000)
Labor		\$80,000
Vehicles		\$10,000
Fuel		\$5,000
Repairs & Maintenance		\$5,000
Total Estimated Cost (Savings)		(\$110,000)

Scenario F - Reduce Vehicle Maintenance Expense

Vehicle Replacement Program (VRP) Costs

	Current (Estimated)	w Adequate Vehicle Replacements
Life of Vehicle	8	7
Cash Funded VRP	\$275,000	\$300,000
Debt Funded VRP	\$4,300,000	\$4,900,000
Total VRP	\$4,575,000	\$5,200,000
Additional Annual VRP Cost (Savings)		\$625,000
Repair & Maintenance (R&M) Cost R&M/Vehicle (Rounded) # of Current Vehicles	\$23,000 268	\$15,000 268
Total R&M	\$6,075,000	\$4,025,000
Additional Annual Repair Cost (Savings)		(\$2,050,000)
Total Estimated Cost (Savings)		
Vehicles		\$625,000
Repairs & Maintenance		(\$2,050,000)
Total Annual Cost (Savings)		(\$1,425,000)