

LEE COUNTY

Fiscal Year 2021 Solid Waste Revenue Sufficiency Study

Final Report / August 8, 2021
Study Completed as of March 25, 2021

August 6, 2021

Mr. Douglass Whitehead
Director
Lee County Solid Waste Department
P.O. Box 398
Fort Myers, FL 33902-0398

Subject: Fiscal Year 2021 Solid Waste Revenue Sufficiency Study

Dear Mr. Whitehead:

Raftelis Financial Consultants, Inc. ("Raftelis") has completed, for your consideration, our annual review and analysis of the Lee County (the "County") Solid Waste Department (the "Department") revenue sufficiency and rate study update (the "Study"). The Study review period encompassed the Fiscal Years 2021 (current budget year) through 2026 (collectively, the "Forecast Period") with the accounting period from October 1 through September 30 being the "Fiscal Year". The purpose of the Study was to:

- Identify the ability of revenues derived from the current charges for solid waste disposal service and ongoing operations of the Department to fund the projected expenditures of the Department and provide sufficient net revenues to fund necessary transfers for future landfill closure and long-term care.
- Provide an evaluation of the Integrated Solid Waste Management System's (the "System") overall financial position and cash balances / reserves relative to identified need (i.e., accumulated landfill closure and long-term care liabilities, operating expenses, capital expenditures, etc.), and recommendations concerning internal financial targets.
- Evaluate the cost of service for waste collection and disposal services and provide recommendations concerning the rates to recover the cost of such service.
- Develop a financial plan with County staff to maintain or promote the creditworthiness of the Department and assist in the overall strategic planning process with the ultimate objective to promote long-term rate sustainability.

The Study is based on information provided by Department staff including, but not limited to, the number of residential properties assessed for collection and disposal service, historical waste deliveries to County facilities, historical financial operating results, budgetary information, capital plans, operating reports for the County's waste-to-energy (WTE) facility, long-term liabilities associated with future closure of the County's landfills, and other financial and statistical information. Following this letter is a report detailing the principal assumptions, findings, and recommendations of this analysis including an executive summary.

Principal Findings and Recommendations:

Based on the assumptions and analyses reflected in this report, which should be read in its entirety, we are of the opinion that the current rates of the Department will not be sufficient to meet the projected revenue requirements of the Department for the Forecast Period. The following provides a brief summary of the key findings and recommendations of the Study:

- Waste generation per capita has outpaced population growth since 2010. Waste deliveries have grown by approximately 3.5% a year through the Fiscal Year 2020 (adjusted to exclude Hurricane Irma), while population growth averaged approximately 1.9% over the same period. It is assumed that the greater rate of growth in waste generation is due to increased economic activity. Recognizing previous projections of economic slowdown, the forecast assumes a reduced waste generation growth rate of approximately 1.3% a year for the Forecast Period. Additionally, at the time of this report, the COVID-19 pandemic continues to affect the solid waste industry and creates uncertainty in tonnage generation. The reduced growth rate is conservative for financial planning purposes since it minimizes the dependency on additional revenues from increased tip fees.
- Operation and maintenance expenses are forecasted to increase over estimated Fiscal Year 2021 levels by approximately 3.5% or \$3.3 million annually resulting in an overall increase of approximately \$16.7 million in expenses by the Fiscal Year 2026. The increases are due to:
 - Private contracted service providers, such as the County's contracted franchise collection haulers, WTE facility operators, recycling processing, and other contract services represent the majority or approximately 75% of the total System operating expenses. During the Forecast Period, the majority or \$12.7 million of the overall increase in expenses is assumed to be attributable to contract service increases due to continued inflation or indexing not under the County's control pursuant to contractual arrangements for the provision of service.
 - All other operating expenses, including personnel, utilities, maintenance, insurance, and indirect cost allocations, among others, represents approximately 25% of the total operating expenses of the System. During the Forecast Period, approximately \$4.1 million of the overall increase in expenses is assumed to be attributable to general inflation in the cost of labor, chemicals, parts and repair, and other operating costs.
- The Study assumes a 20-year debt issuance for the construction of a County-operated materials recovery facility (MRF) with debt service payments of approximately \$2.2 million per year beginning in Fiscal Year 2024. As a result, the Department's annual debt service payments will increase to approximately \$10.8 million per year. All other capital will be funded using existing reserves or future revenues over the Forecast Period.

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- The Study assumes increasing deposits to: i) fund closure deposits; ii) fund budgetary capital outlays; and iii) the Rate Stabilization Fund and operating reserves for future and near-term capital needs of the System. The following table provides a summary of the projected deposits:

Closure, Capital, and Rate Stabilization Fund Deposits

	2021	2022	Projected Fiscal Year Ending September 30,			
			2023	2024	2025	2026
Rate Stabilization / Reserves	\$1,485,557	\$6,972,026	\$7,567,445	\$6,824,289	\$7,005,780	\$7,299,637
Capital Outlay	1,742,884	2,550,000	2,605,000	2,665,000	2,730,000	2,795,000
Net Deposits / Capital Outlay	\$3,228,441	\$9,522,026	\$10,172,445	\$9,489,289	\$9,735,780	\$10,094,637
Closure Fund	\$2,319,842	\$1,258,259	\$1,343,789	\$1,465,365	\$1,584,429	\$1,684,715

The deposits to the Rate Stabilization Fund and operating reserves are expected to promote: i) compliance with the rate covenants (i.e., debt service coverage) as delineated in the Indenture of Trust previously adopted by the County as a condition of the sale of solid waste bonds; and ii) the overall creditworthiness of the System recognizing previous declines in debt service coverage ratios (i.e., net revenues / annual debt service).

- Based on the findings of this Study, the forecasted revenues under existing charges are not anticipated to be sufficient to fully fund the projected increases in the cost of operation, debt service, and capital needs of the System. The following table provides a summary of the identified revenue adjustments for the Forecast Period including a comparison to the prior study forecasts:

Identified Rate Revenue Adjustments by Fiscal Year^[1]

Description	Adopted 2021 ^[2]	Recommended 2022	Identified			
			2023	2024	2025	2026
Disposal Assessment / Tip Fee Rev.						
Prior Study – FY20 Forecast	6.25%	5.00%	5.00%	5.00%	4.00%	N/A
Current Study – FY21 Forecast	N/A	5.00%	5.00%	4.00%	2.00%	2.00%
Incremental Revenue Addition	N/A	\$3.08m	\$3.27m	\$2.78m	\$1.47m	\$1.51m
Cumulative Revenue Addition	N/A	\$3.08m	\$6.39m	\$9.25m	\$10.83m	\$12.47m
Collection Assessment Revenues						
Prior Study – FY20 Forecast	5.24%	1.96% ^[3]	1.96% ^[3]	1.97% ^[3]	1.97% ^[3]	N/A
Current Study – FY21 Forecast ^[3]	N/A	6.48% ^[3]	1.98% ^[3]	1.98% ^[3]	1.98% ^[3]	1.84% ^[3]
Incremental Revenue Addition	N/A	\$1.69m	\$0.56m	\$0.58m	\$0.60m	\$0.58m
Cumulative Revenue Addition	N/A	\$1.69m	\$2.28m	\$2.90m	\$3.55m	\$4.19m

[1] Reflects identified increases to revenues from the collection / disposal assessment and tipping fees for service. Actual increases to customer charges will vary by waste and service. It is important to note that the financial forecast does not assume investment in expanded or new facilities, which is contingent upon Board of County Commissioners approval of the recommendations of the solid waste master plan, with the exception of the landfill and MRF expansions.

[2] Increases from the franchised haulers were not passed through.

[3] Reflects projected increases in collection for revenue identified to recover estimated cost of contracted collection services which vary by franchised area.

As can be seen above, the recommended rate revenue increase for the Fiscal Year 2022 is generally consistent with what was previously forecasted in the prior Fiscal Year 2020 Solid Waste Revenue Sufficiency and Rate Study dated March 2020 (the "Prior Study") supporting the adopted Fiscal Year 2021 solid waste collection and disposal assessment, Municipal Service Taxing Unit (MSTU), and rates and fees for service. The only exception relates to the Fiscal Year 2022 collection adjustment, which is greater than previously forecasted recognizing that the County deferred collection increases from the prior period.

- **Recommended Fiscal Year 2022 Residential Assessment:**

- Collection Assessment – Recommend continuing the practice of applying the solid waste collection assessment as a direct pass-through of collection expenses.
- Disposal Assessment – Recommend increasing the residential disposal assessment due to increasing MSW waste deliveries per residential property from 0.90 tons to 1.00 tons and horticulture waste deliveries per residential property from 0.21 tons to 0.24 tons. Additionally, MSW and horticulture tipping fee increases are proposed and are applied to the generation rates per unit.
- Multi-family Recycling Assessment – Based on a recycling report prepared for and discussions with Department staff, a multi-family recycling assessment of \$4.37 per year, per unit has been calculated to be added to the multi-family Solid Waste System Assessment to recover the net costs associated with recycling operations. It should be noted that the proposed assessment, in addition to the single-family recycling assessment, does not recover the full net cost of recycling operations.

The following provides a summary of the overall recommended change to residential assessments for the Franchise Areas 1 through 5.

Existing and Proposed Residential Assessment

Area	Existing	Proposed	Annual Increase	
	2021	2022	Amount	Percent
Area 1	\$225.82	\$246.19	\$20.37	9.0%
Area 2	214.45	234.20	19.75	9.2%
Area 3	242.07	263.53	21.46	8.9%
Area 4	238.50	260.72	22.22	9.3%
Area 5	258.57	280.99	22.42	8.7%

- **Recommended Fiscal Year 2022 Solid Waste Disposal Assessment and Tipping Fees:**

- The following provides a summary of the overall recommended changes to disposal tipping fees.

Existing and Proposed Tipping Fees

Tipping Fee	Existing	Proposed	Annual Increase	
	2021	2022	Amount	Percent
Disposal Facility				
Assessment	\$17.25	\$17.25	\$0.00	0.0%
MSW	50.20	53.00	2.80	5.6%
C&D and Class III	48.40	53.00	4.60	9.5%
Yard Waste	31.00	35.00	4.00	12.9%
Recycling	38.12	38.12	0.00	0.0%
Tires	120.00	160.00	40.00	33.3%

Board Action:

On August 3, 2021 the BOCC approved Resolution No. 21-08-07 adopting solid waste assessment rates for Fiscal Year 2022. Additionally, solid waste tipping fees are approved through County Administrative Code. A summary of the adopted rates for Fiscal Year 2022 is shown on the following page.

Existing and Adopted Residential Assessment

Area	Existing	Adopted	Annual Increase	
	2021	2022	Amount	Percent
Area 1	\$225.82	\$232.84	\$7.02	3.1%
Area 2	214.45	221.47	7.02	3.3%
Area 3	242.07	249.09	7.02	2.9%
Area 4	238.50	245.52	7.02	2.9%
Area 5	258.57	265.59	7.02	2.7%

Summary of Adopted Fiscal Year 2022 Rates

Description	Adopted 2022
Assessments:	
Collection (Avg. Areas 1-5) [1]	\$145.62
Disposal MSW [2]	50.20
Disposal Yard Waste [3]	6.62
Disposal Facility Assessment Charge [2]	17.25
Recycling [4]	11.05
Surcharges	0.00
Billing Fee	2.45
Early Prepayment Gross Up (4%)	9.71
Gross Assessment Average for Areas 1-5 [5]	\$242.90
Tipping Fees per Ton by Waste Type	
MSW [6]	\$50.20
Commercial Horticulture / Yard Waste	37.50
Residential Horticulture / Yard Waste	31.00
C&D	60.00
Class III	60.00
Tires	160.00
Recycling	38.12
Surcharges per MSW Ton [6]	\$0.00
Disposal Facility Assessment per Ton	\$17.25

- [1] Amounts shown reflect the average fee charged for the franchise collection areas 1-5.
[2] County will assess residential customers the MSW disposal and the Disposal Facility Assessment based on the waste generation assumption of 1.0 ton of waste per unit.
[3] County will assess residential customers the Yard Waste Assessment based on the waste generation assumption of 0.21 tons per unit.
[4] County will assesses residential customers the Recycling Assessment based on the waste generation assumption of 0.29 tons per unit.
[5] Reflects gross assessments before early prepayment discounts as allowed by Florida Statutes, Chapter 197.
[6] Unincorporated waste generated by commercial and multi-family customers is charged a gate fee per ton including the addition of the base tipping fee plus applicable surcharges per ton for MSW deliveries. Currently the County does not charge for any surcharges.

It should be noted that the County did not adopt the recommended multi-family recycling fee and did not pass-through collection hauler increases based on contractual rate indexing from the current year or previous years that were not passed through to customers.

The rates as adopted by the BOCC and County Administrative Code for Fiscal Year 2022 are projected to not have a material impact on the financial forecast or the financial position of the System. Additionally, the County evaluates rates and the financial position of the System annually. Table ES-2 presents a summary of the financial position of the System under the adopted Fiscal Year 2022 rates.

Other Forecast Risks and Considerations:

New Disposal Facilities: Due to the growing amount of waste deliveries and limited processing capacity at the waste-to-energy facility, the Department is actively evaluating alternative disposal options through a strategic master planning exercise to better assess the latest technologies, options, and alternatives for waste disposal (the "Master Plan"). It is important to note that the financial forecast only assumes investment in the currently planned landfill expansion and a materials recovery facility for capacity expansion. To the extent that the Department recommends investment in additional facilities, additional rate revenue adjustments above what is currently identified in this Study may be required.

Recycling Revenues and Costs: As previously discussed, declines in the revenue derived from the sale of recycled materials and increased costs to reduce contamination and improve quality of the recovered materials has resulted in a material increase to the net cost of recycling over the past couple of years. To the extent that the value for local recovered materials declines below what is currently contemplated in this Study, the Department may incur further net increases to the cost of recycling and negatively affect future identified rate revenue adjustments.

Expiring Contractual Agreements: The Study generally assumes continuation of the terms and conditions of other contract services as disclosed in more detail in subsequent sections to this report. However, it is assumed that the County will operate the landfills and MRF once the current contracts expire. To the extent that the County experiences material changes to the assumed terms of other agreements or contractual operations above what is contemplated in this Study, additional rate revenue adjustments above what is currently identified in this Study may be required.

The Economy and Inflation:

Since the end of the most recent great recession, the unemployment rate has significantly improved within the County from approximately 13.9% in 2009 to 2.8% in 2019, as reported in the County's comprehensive annual financial report. However, the COVID-19 pandemic has affected economies across the nation. A continuation of any negative impacts related to the pandemic or any additional slowdown in the economy during the Forecast Period could place additional upward rate pressures to disposal-related rate increases. Additionally, uncertainty surrounding inflation can have a significant effect on the forecast of contracted services, of which many of the agreements include indexing provisions or pass-through provisions to the County. To the extent that waste deliveries decline below projections in the Study or inflation is greater than assumed, additional rate revenue adjustments above what is currently identified in this Study may be required.

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Based on the current needs of the System and coupled with market conditions, it is recommended that the County consider implementation of the Fiscal Year 2022 rate increases to promote the creditworthiness of the System, fund the identified capital requirements, and mitigate further declines in the fiscal position of the System. It is also recommended that the Department continue to perform annual updates to this Study in order to adjust for changes in actual conditions. As always, we greatly appreciate the opportunity to be of service to the County and would like to take the opportunity to thank staff for their efforts and time in providing the necessary assistance in the provision of data, insight into recent trends, and general guidance in the development of this Study.

Sincerely,



Thierry A. Boveri, CGFM
Senior Manager



Nick Smith, CGFM
Senior Consultant

Attachments

LEE COUNTY, FLORIDA
FISCAL YEAR 2021
SOLID WASTE REVENUE SUFFICIENCY STUDY

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SOLID WASTE REVENUE SUFFICIENCY STUDY

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LEE COUNTY, FLORIDA
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SOLD WASTE REVENUE SUFFICIENCY STUDY

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LEE COUNTY, FLORIDA

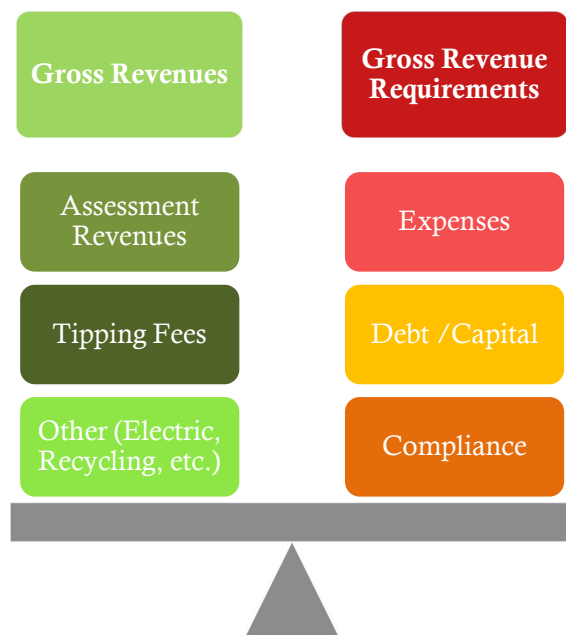
FISCAL YEAR 2021 SOLID WASTE REVENUE SUFFICIENCY STUDY

EXECUTIVE SUMMARY

Raftelis Financial Consultants, Inc. ("Raftelis") was tasked with the preparation of a solid waste revenue sufficiency and rate study on behalf of the Lee County (the "County") Solid Waste Department (the "Department"). The purpose of the study was to: i) prepare a six-year financial forecast of operations to determine the sufficiency of existing disposal and collection fees, and other Department revenues to fund necessary expenditures and fund transfers; and ii) allocate costs to the respective fees for service to provide recommendations concerning the level of rates charged for collection and disposal service. The following executive summary is intended to provide a brief overview of the methodology, major findings or observations and recommendations for the study; however, it is encouraged that the report be read in its entirety.

Revenue Sufficiency and Cost of Service Methodology

The foundation of the study and the primary objective of the solid waste rates are to reasonably recover the cost of providing service, cost of infrastructure investment and compliance with covenants of the outstanding bonds and internal fiscal targets (referred to as the "Revenue Sufficiency" evaluation).

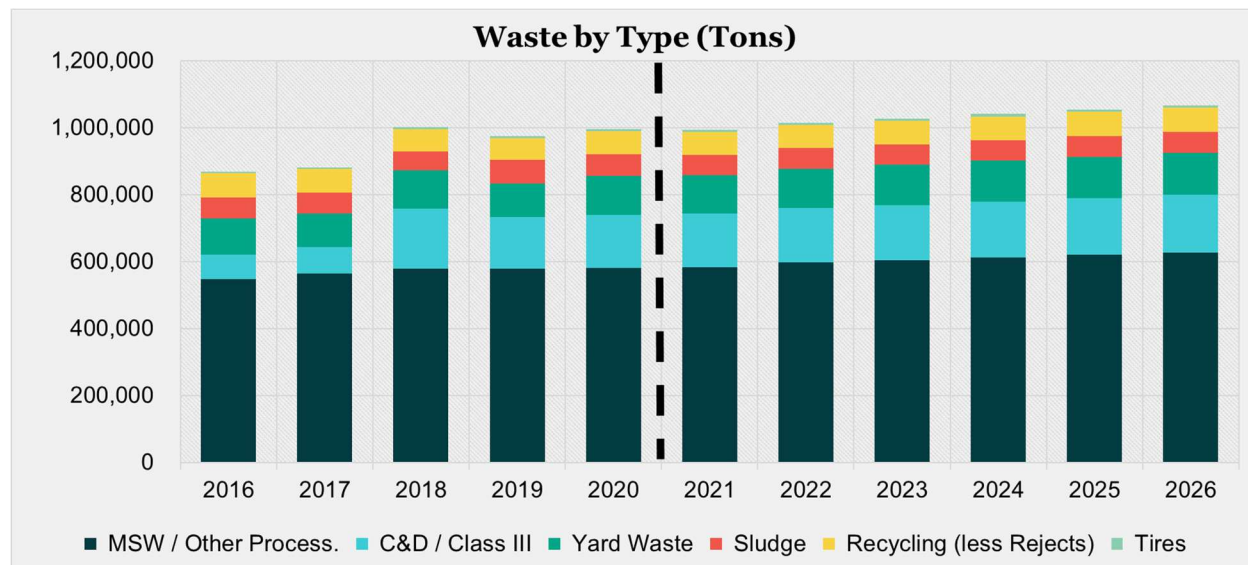


Ensuring adequate cash reserves and appropriate cash flows generally results in a sustainable long-term financial plan that can mitigate the financial and operating risk from unanticipated or sudden events to financial operations (e.g., reduced electric sales, changes in market conditions affecting operations and recovered materials revenues, reduced growth or tonnages, unanticipated or extraordinary outages, unfunded mandates, etc.). The identified revenue requirements to be funded from rates are then allocated among the respective collection and disposal functions. The allocated costs are then assigned to the respective service and rate (e.g., collection, municipal solid waste [MSW] disposal, construction and

demolition [C&D] debris disposal, class III disposal, tire disposal, etc.) to determine the estimated cost of service and divided by the billing units to determine the rates for service. The recommended rates are based on the cost of service and are adjusted to reflect the integrated nature of the solid waste operations, incentivizing particular behaviors, or to be comparable to current market rates for service.

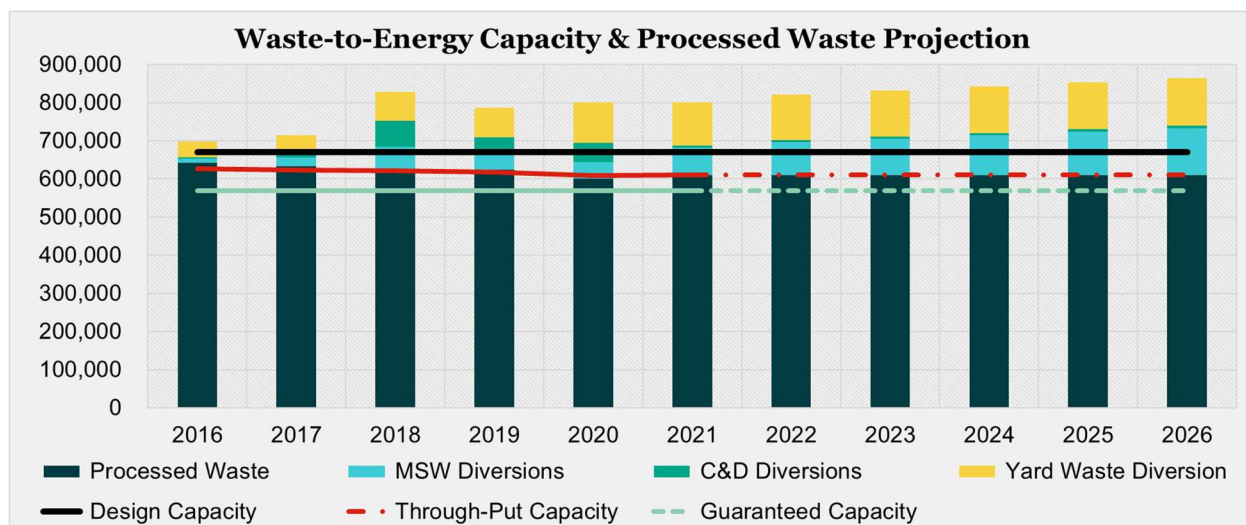
Principal Findings and Observations

The County provides waste disposal service to approximately 750,000 residents within unincorporated and incorporated areas of the County and processed approximately one million tons of waste for the most recently completed Fiscal Year 2020. The chart below provides a recent history and forecast of delivered waste tonnages by type:



It should also be noted that the chart above does not reflect any yard waste debris associated with Hurricane Irma since such amounts were processed directly by private contractors which did not enter the County's waste management systems. It is estimated that waste deliveries have grown by approximately 31,700 tons per year on average since Fiscal Year 2016 with an overall increase of 124,400 tons or 14%. Waste generation per capita has outpaced population growth since 2010. This is due to the waste delivery growth rate of approximately 3.5% a year exceeding the population growth at approximately 1.9% for the recent historical period. It is assumed that the greater rate of growth in waste generation is due to increased economic activity. Recognizing previous projections of economic slowdown, the forecast assumes a reduced waste generation growth rate of approximately 1.3% a year for the Forecast Period. Additionally, at the time of this report, the COVID-19 pandemic continues to affect the solid waste industry and creates uncertainty in tonnage generation. The reduced growth rate is conservative for financial planning purposes since it minimizes the dependency on additional revenues from increased tip fees.

To dispose of the waste, the County maintains and operates several facilities including a mass burn waste-to-energy (WTE) facility, materials recovery facility (MRF), C&D debris recycling facility, yard waste / tire processing facilities, a composting facility, a regional landfill, and a household chemical waste facility. The WTE facility is currently the primary method of waste disposal for the County and processes in excess of 610,000 tons annually or over 70% of all in-bound processed waste. The chart on the following page indicates the historical and projected utilization of the WTE facility:



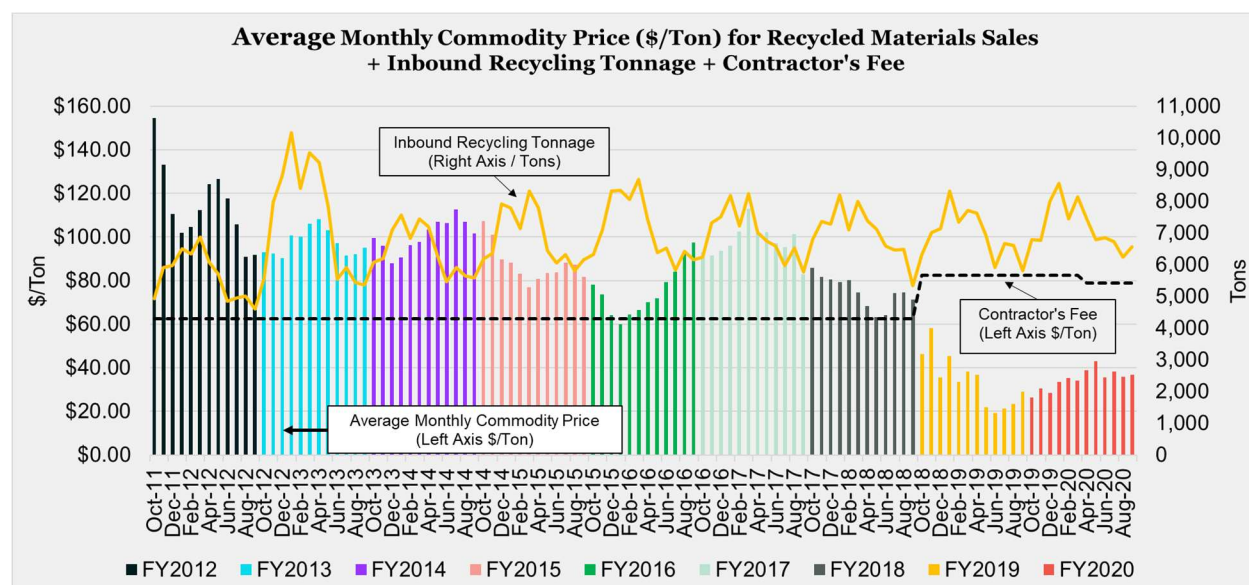
The County primarily processes MSW, C&D, yard waste, MRF residuals, and tires at the WTE facility. As can be seen above, the growth in such waste deliveries is expected to result in growing diversions from the WTE facility to the County's Lee / Hendry Regional Landfill (the "Lee / Hendry Landfill" or LHLF). The Department is evaluating disposal options and has prepared a strategic master planning study to better assess the latest technologies, options and alternatives for waste disposal (the "Master Plan"). It is important to note that the financial forecast only assumes investment in the currently budgeted landfill expansion and MRF for capacity expansion. To the extent the County approves additional facility expansions or additions identified in the Master Plan (e.g., a new waste-to-energy facility or materials recovery facility), the County would be expected to require additional rate revenue increases above what is currently identified in this Study to secure additional disposal capacity. For more information about waste diversions and deliveries to the Lee / Hendry Landfill, please reference Section 5 of this report.

Electricity is generated as a by-product of processing waste at the WTE facility. Historically, the County sold electricity to the Seminole Electric Cooperative Inc. ("Seminole Electric") pursuant to an electric power purchase agreement dated August 15, 2008. Effective January 1, 2017, Seminole Electric terminated the electric sale agreement with the County thereby forcing the County to sell electricity to the open market and other investor owned utilities (IOU)^[1]. The current market rates per mega-watt hour (MWh) of electricity sold to the open market is materially lower than the contractual rates included in the prior agreement with Seminole Electric. In terms of annual revenues, at the peak the County generated approximately \$20.3 million in electric revenue during the Fiscal Year 2014 and today is forecasted to generate approximately \$6.7 million in electric revenue on average for the Forecast Period. While pursuant to federal law the County can sell directly to Florida Power and Light Company, in order to reach a larger market and maximize electric revenue sales, the County entered into a non-firm power purchase, sale, and marketing agreement with Rainbow Energy Marketing Corporation ("REMC") effective November 1, 2016. The agreement allows REMC to represent the County in the sale of electricity to the open market as well as other IOU's under the Public Utility Regulatory Policies Act of 1978 ("PURPA").

Through the County's various recycling operations including curbside collection, metal separation at the WTE facility, C&D recycling, sale of recoverable materials from household hazardous waste operations

[1] PURPA, as amended, requires IOUs to purchase electricity generated by the County's WTE facility since the facility qualifies as a small renewable energy producer, which is defined as an entity not engaged in the electric business and generates renewable energy from a facility of 80 megawatts or less.

(e.g., car batteries, cooking oil, etc.), sale of compost, etc., the County minimizes the amount of waste landfilled, while also generating a revenue stream through the sale of the recovered materials including paper, fiber, plastic, metal, etc. The average value of the material sold has generally been in decline and more recently has resulted in a net cost to the County to recycle pursuant to a contractual amendment to the agreement approved in Fiscal Year 2019. The following chart provides detail of the average monthly commodity price change for the sale of curbside recovered recyclables at the MRF:

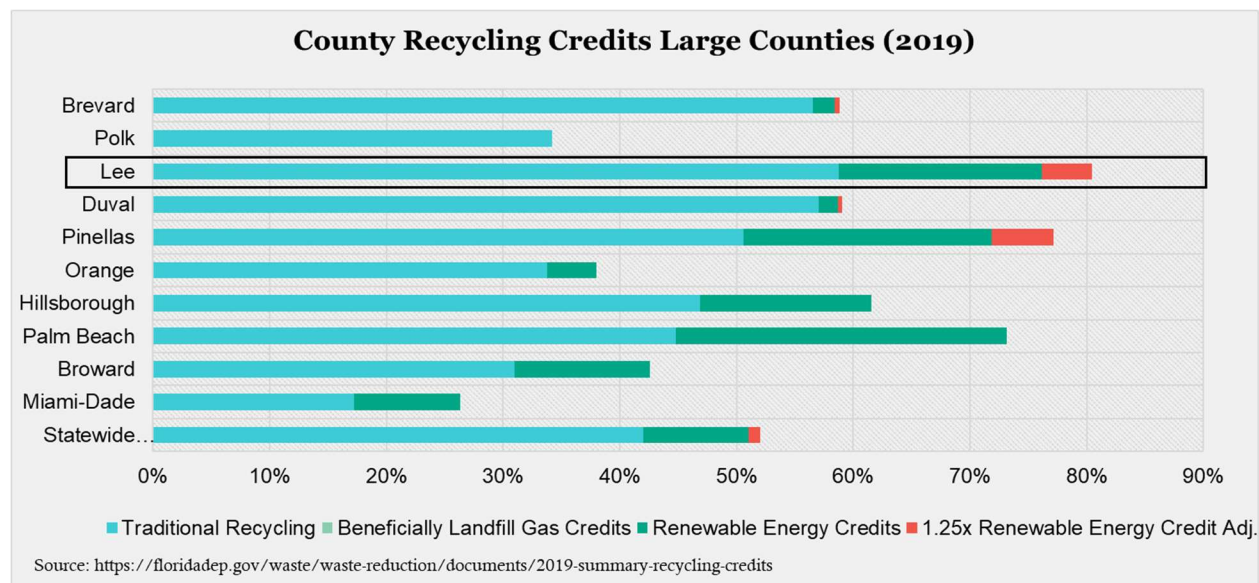


As can be seen by the prior chart, the County processes on average approximately 7,000 tons per month of curbside recycling, which is marketed and sold by ReCommunity Holdings II, Inc. doing business as FCR Florida LLC ("ReCommunity"). Prior to the Fiscal Year 2019, the average monthly commodity price had been greater than the contractor's processing fee, which had resulted in a shared net recycling revenue earned by the County. Based on current market conditions and it is expected to result in a net cost to process recyclables. The following table provides additional detail concerning the recent and projected trends in recovered material revenues, as well as other revenues associated with operation of the WTE facility for the financial forecast:

Summary of Principal Other Operating Revenues for the Historical and Projected Forecast Period

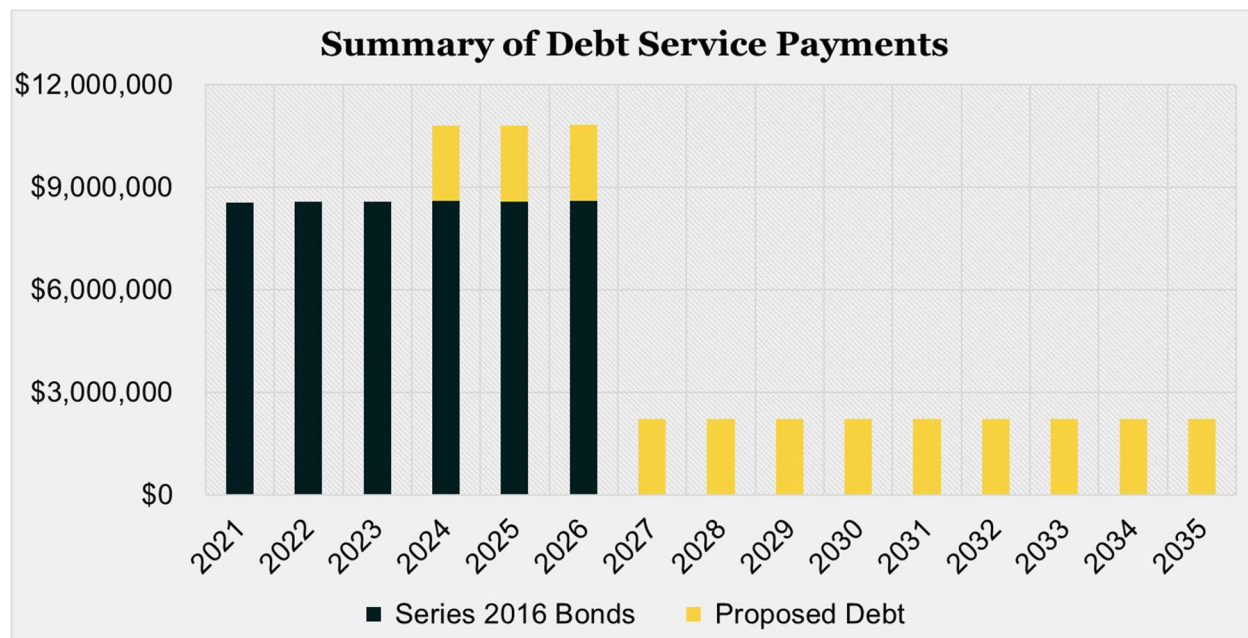
Fiscal Year	Curbside Recycling Revenue			Ferrous Revenue			Non-Ferrous Revenue			Net MWh	Electric Revenue	
	Tons	Revenue (\$000s)	\$/Ton	Tons	Revenue (\$000s)	\$/Ton	Tons	Revenue (\$000s)	\$/Ton		Revenue (\$000s)	\$/MWh
2016	85,611	1,609	18.80	24,303	141	5.80	2,410	1,655	686.70	338,309	9,004	26.62
2017	83,321	3,116	37.40	20,114	1,407	69.96	2,409	1,788	742.36	318,509	7,885	24.75
2018	84,127	782	9.29	19,311	2,289	118.52	3,084	1,715	556.16	346,085	9,325	26.94
2019	83,394	0	0.00	17,048	1,169	68.56	2,738	1,154	421.56	341,461	9,489	27.79
2020	86,379	0	0.00	20,755	1,132	54.56	2,601	307	117.98	320,096	6,093	19.03
2021	85,561	0	0.00	18,300	988	54.00	2,646	304	115.00	317,644	6,671	21.00
2022	87,020	0	0.00	18,300	988	54.00	2,646	304	115.00	317,644	6,671	21.00
2023	88,484	0	0.00	18,300	988	54.00	2,646	304	115.00	317,644	6,671	21.00
2024	89,955	0	0.00	18,300	988	54.00	2,646	304	115.00	317,644	6,671	21.00
2025	91,435	0	0.00	18,300	988	54.00	2,646	304	115.00	317,644	6,671	21.00
2026	92,847	0	0.00	18,300	988	54.00	2,646	304	115.00	317,644	6,671	21.00

Beyond investment in recycling-oriented disposal facilities and the challenges associated with increasing net cost of operations, the County invests in public outreach programs and has enacted local regulation to further promote recycling. County Ordinance 07-25 requires the mandatory recycling of commercial and multi-family solid waste and C&D debris. The collective measures by the County, residents, and businesses to recycle have helped in meeting compliance with recycling goals for the State pursuant to Florida Statute 403.706(7) (the "Recycling Regulation"). The goal of the Recycling Regulation was to achieve a recycling rate of 75% by the Fiscal Year 2020. The County has achieved this goal with an overall recycling rate of 80.5% for the most recently reported Fiscal Year 2019, which ranks the County first statewide. The following chart, as reported by the Florida Department of Environmental Protection (FDEP), indicates the overall recycling rates for the top 10 most populated counties (in order from least to most populace counties):



As a component of calculating recycling credits, the FDEP recognizes renewable energy credits for energy produced at WTE facilities or from landfill gas production. The renewable energy credits are adjusted by a 1.25x factor if a county's traditional recycling credits meet or exceed 50%. The County's traditional recycling credits were 58.7% for the Fiscal Year 2019 and therefore earned the 1.25x adjustment. In aggregate the renewable energy credit with adjustments increased the County's recycling credits by 17.4%. However, it may be difficult for the County to ultimately maintain the 75% goal under the current FDEP methodology recognizing that: i) the County's existing WTE facility is currently at capacity and the County anticipates disposing of less waste at the WTE facility to promote longevity for the facility, limiting the potential for future renewable energy credits; and ii) to continue to earn the 1.25x renewable energy credit the County must continue to meet or exceed 50% for the traditional recycling credits.

The County issued debt in 2006 primarily to fund an expansion of the WTE facility and to refinance certain outstanding debt at that time to achieve interest rate savings through the issuance of the Solid Waste System Revenue Bonds, Series 2006A (the "2006A Bonds") and the Solid Waste System Refunding Revenue Bonds, Series 2006B (the "2006B Bonds" and, collectively with the 2006A Bonds, the "Series 2006 Bonds"). The WTE facility expansion financed by the Series 2006 Bonds increased the waste processing capacity from 1,200 tons per day to 1,836 tons per day. In 2016, the County refinanced the Series 2006A Bonds through the issuance of the Solid Waste System Refunding Revenue Bonds, Series 2016 (AMT) (the "2016 Bonds"). The County anticipates issuing approximately \$20 million in additional debt in Fiscal Year 2024 to fund construction of a MRF. The following page provides a summary of the remaining and projected debt service payments assumed in the Study:



As can be seen above, the Series 2016 Bonds will be fully repaid by the Fiscal Year 2027, which is beyond the Forecast Period and which will provide a benefit by adding additional bonding or leveraging capacity for future capital improvements identified by the Master Plan.

Finally, and with respect to the cost of operating expenses, the Study assumes an average annual growth rate of approximately 3.5% a year above the Fiscal Year 2021 budgeted levels. The increase is primarily due to: i) uncontrolled increases in the cost of contracted operations and collection as set by agreement (indexing of contract costs is customary in the industry); ii) growth of customers and tonnages within the County; and iii) general inflation in the cost of labor, chemicals, parts and repair, etc. The following table provides an indication of the revenue sufficiency and recommended / identified rate adjustments for the Forecast Period:

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Disposal Net Revenue Requirements and Revenue Sufficiency (\$1,000s) [1]

Description	Projected Fiscal Year Ending September 30,					
	2021	2022	2023	2024	2025	2026
Operation and Maintenance Expenses [2]	\$60,204	\$62,007	\$65,370	\$67,398	\$69,521	\$71,579
Annual Debt Service:						
Series 2016 Bonds	\$8,564	\$8,575	\$8,589	\$8,596	\$8,595	\$8,605
Proposed Debt	0	0	0	2,221	2,221	2,221
Transfers and Capital [3]	\$5,536	\$10,756	\$11,495	\$10,932	\$11,296	\$11,754
Gross Revenue Requirements	\$74,304	\$81,338	\$85,455	\$89,148	\$91,633	\$94,159
Less Income / Funds from Other Sources:						
Investment Income	\$1,507	\$1,417	\$1,357	\$1,313	\$1,337	\$1,384
Net Electric Revenue	6,671	6,670	6,669	6,668	6,667	6,666
Franchise Fees – County	1,400	1,714	1,750	1,786	1,823	1,853
Franchise Fees – Municipalities [2]	560	686	700	715	729	741
WTE Ferrous / Non-ferrous – County	646	646	646	646	646	646
WTE Ferrous / Non-ferrous – Covanta [2]	646	646	646	646	646	646
Miscellaneous Revenue	1,835	1,864	1,893	1,924	1,955	1,988
Compost Sales	281	281	281	281	281	281
Other Revenues [4]	2,789	2,824	2,824	2,824	2,824	2,824
Total	\$16,336	\$16,748	\$16,767	\$16,804	\$16,909	\$17,030
Net Disposal Funding Requirements	\$57,968	\$64,590	\$68,687	\$72,344	\$74,724	\$77,129
Existing Assessment and Tip Fee Revenue	\$59,099	\$61,514	\$62,301	\$63,094	\$63,892	\$64,655
Current Period Rate Revenue Adjustments [5]	N/A	5.0%	5.0%	4.0%	2.0%	2.0%
Adjusted Disposal Revenue	\$59,099	\$64,590	\$68,687	\$72,344	\$74,724	\$77,129
Surplus / (Deficiency) [6]	\$1,131	\$0	\$0	\$0	\$0	\$0

- [1] Amounts shown derived from Table 13 at the end of this report. Totals may vary due to rounding.
- [2] Amounts shown include the gross expenses of the system, including the cost of shared or remitted revenues such as, franchise fees collected on behalf of the County and shared electric revenues due to the County's contracted WTE facility operator.
- [3] Reflects transfers to the landfill closure fund, transfers to the recycling fund from recovered materials revenues and funding for certain capital equipment identified from the capital program.
- [4] Includes revenues from advance disposal fees related to the C&D ordinance, contracted disposal of sludge and other miscellaneous revenues.
- [5] Reflects the current period percent increase in disposal revenues.
- [6] Reflects assumed transfers to / (from) operating reserves.

As can be seen above, the existing disposal assessment and tipping fee revenues are not projected to be sufficient to fund the disposal-related revenue requirements of the System due to increases in the cost of operation, additional debt, and declines in other operating revenues (e.g., electric revenues) which serve to offset the funding requirements of the disposal assessment and fees.

With respect to the collection system operations and revenues, the following table provides an indication of the revenue sufficiency and recommended / identified rate adjustments for the Forecast Period:

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Collection Net Revenue Requirements and Revenue Sufficiency (\$1,000s) [1]

Description	Projected Fiscal Year Ending September 30,					
	2021	2022	2023	2024	2025	2026
Operation and Maintenance Expenses	\$26,753	\$27,781	\$28,838	\$29,927	\$31,049	\$32,115
Annual Debt Service	0	0	0	0	0	0
Transfers and Capital	0	0	0	0	0	0
Gross Revenue Requirements	\$26,753	\$27,781	\$28,838	\$29,927	\$31,049	\$32,115
Less Income / Funds from Other Sources:						
Investment Income	\$0	\$0	\$0	\$0	\$0	\$0
Contracted Fines [2]	25	25	25	25	25	25
Total	\$25	\$25	\$25	\$25	\$25	\$25
Net Collection Funding Requirements	\$26,728	\$27,756	\$28,813	\$29,902	\$31,024	\$32,090
Existing Collection Assessment Revenue	\$25,597	\$26,066	\$26,535	\$27,004	\$27,473	\$27,903
Rate Revenue Adjustments [3]	N/A	6.48%	1.98%	1.98%	1.98%	1.84%
Adjusted Collection Revenue	\$25,597	\$27,756	\$28,813	\$29,902	\$31,024	\$32,090
Net Transfers To / (From) Reserves [4]	(\$1,131)	\$0	\$0	\$0	\$0	\$0

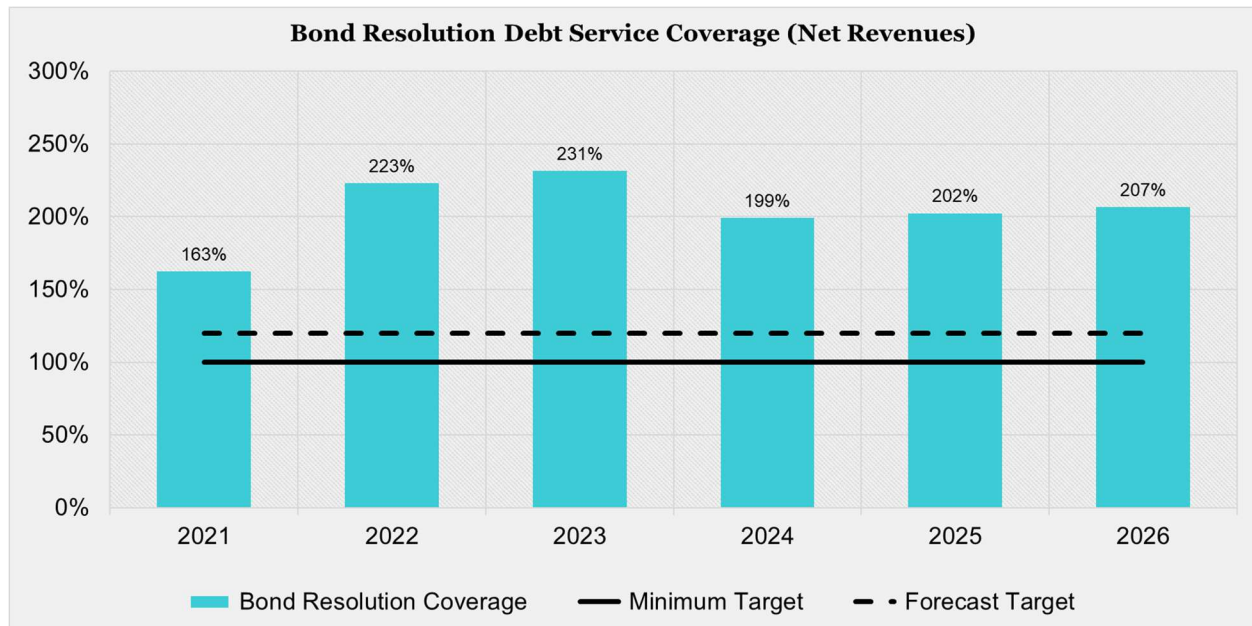
[1] Amounts shown derived from Table 14 at the end of this report. Totals may vary due to rounding.
 [2] Reflects minor revenues from fines related to the monitoring of contracted collection.
 [3] Reflects the current period percent increase in collection revenues.
 [4] Reflects assumed transfers to / (from) reserves.

As can be seen above the existing collection component of the assessment revenues are projected to be insufficient beyond the current Fiscal Year 2021 due to assumed and expected increases to the cost of contracted collection.

Based on implementation of the identified rate revenue adjustments and recognizing the assumptions made for purposes of this Study, which should be read in its entirety, the Department is expected to maintain compliance with the requirements of Resolution No. 16-08-10 adopted August 16, 2016 (the "Bond Resolution"), which authorized the issuance of the outstanding bonds. The following chart provides the projected calculation of debt service coverage^[2] compliance with the rate covenant as delineated in the Bond Resolution:

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[2] The calculation of coverage recognizes Gross Revenues less operating expenses (exclusive of depreciation, amortization or closure expenses) should produce net revenues at least equal to 100% of the annual debt service and required transfers.



Prior to the Fiscal Year 2016, the Department had experienced recurring declines in the debt service coverage and resulted in a credit rating downgrade by Moody's Investor Service ("Moody's") from A3 to Baa1^[3]. In response the County adopted a series of rate adjustments over the last several years, which have significantly improved the net revenues of the System. As can be seen from the chart above and based on the assumptions as delineated in this study, the recommended and identified rate revenue increases are projected to produce sufficient Net Revenues, as defined in the Bond Resolution, to generate debt service coverage equal to or above the minimum target for the entire Forecast Period.

With respect to the liquidity (cash position) of the system, the Study assumes targeting overall unrestricted cash reserves equal to 12 months of operating expenses. The target is based on the Moody's credit surveillance opinion dated December 21, 2015, and subsequent credit analysis updates, which indicate that the Department could face a further credit rating downgrade should debt service coverage fall below 1.0 times and / or unrestricted cash reserves fall below 12 months operating expenses. The following table provides a summary of the projected cash reserves by fund:

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[3] Moody's provides the following rankings for investment grade credits from highest to lowest as follows: Aaa, Aa1, Aa2, Aa3, A1, A2, A3, Baa1, Baa2, Baa3.

Projected Ending Fund Balance (\$1,000s)

Description	Fiscal Year Ending September 30,					
	2021	2022	2023	2024	2025	2026
Fund 40100 – Operations	\$11,556	\$11,556	\$11,556	\$11,556	\$11,556	\$11,556
Fund 40120 – Subaccount – R&R	2,871	2,871	2,871	2,871	2,871	2,871
Fund 40110 – Subaccount – System Reserve Fund	28,404	24,885	27,078	29,159	30,310	32,771
Fund 40103 – Rate Stabilization	26,793	26,793	19,793	14,793	17,793	24,793
Fund 40106/32 – System Reserve Fund - CIP	11,301	11,301	11,301	11,301	11,301	11,301
Fund 40107 – Closure Fund	14,835	16,323	17,919	19,662	21,550	23,568
Fund 40162/63/64 – Debt Service – Sinking	7,473	7,643	7,825	9,559	9,764	9,991
Fund 40170/71 – Debt Service – Reserve	7,710	7,710	7,710	7,710	7,710	0
Debt Proceeds	0	0	0	21,000	8,500	0
Total Projected Available Fund Balances	\$110,943	\$109,083	\$106,054	\$127,611	\$121,355	\$116,851
Cash Reserve Target Compliance:						
Projected Fund Balance Less Restricted Funds [*]	95,737	93,706	90,496	89,319	95,359	106,837
12 Months Operating Expenses	86,958	89,788	94,209	97,326	100,569	103,694
Amount Above or Below Target	\$8,780	\$3,919	(\$3,713)	(\$8,007)	(\$5,211)	\$3,144

[*] Amounts shown exclude debt-related funds and customer deposits. Although landfill closure reserves are restricted for purposes of this analysis such funds are considered to be available for the needs of the System recognizing that the restriction is established by the Board of County Commissioners action and such funds could be available during times of need or emergency should the Board of County Commissioners unrestricted such funds.

As can be seen from the table above, it is projected that cash reserves are expected to generally hold constant during the Forecast Period but falls below the minimum targeted cash reserves equal to 12 months of operating expenses beginning in Fiscal Year 2023. The shortfall is expected to improve over time.

For purposes of this analysis and based on discussions with Department staff, Raftelis has assumed certain minimum financial performance metrics based on industry best practices in order to maintain and ultimately improve the creditworthiness of the System. The following provides a summary of the principal minimum financial metrics relied upon in development of this Study.

1. Net Revenues providing an annual debt service coverage ratio equal to or greater than 1.2x.
2. Operating cash reserves equal to or greater than 150 days of operating expenses to provide for necessary working capital and a hedge against declines in other operating revenues (e.g., electric revenues).
3. Capital cash reserves at the greater of either:
 - a. 6.0% of prior year's reported depreciable assets (e.g., roughly equal to two years of depreciation equivalent); or
 - b. The average annual cost of the identified five-year or 10-year CIP.
4. Landfill closure reserves equal to at least the reported liability for closure plus one year of long-term care costs incurred subsequent to the closure of the landfill.
5. Maximum amount of System outstanding debt to gross revenues ranging from 4.0x to 6.0x.
6. Minimum amount of capital reinvestment to the System equal to five percent of prior year's Gross Revenues, excluding collection revenues, or as may be determined by the County's consulting engineers.

For additional information concerning compliance with these financial targets, please reference Section 8 of this report. Based on the recommended financial targets, projected cost of revenue requirements and identified rate adjustments, the net system revenue requirements were evaluated relative to the current rate structure comprised of:

- Residential Collection and Disposal Assessments.
- Solid Waste System Assessment (i.e., Disposal Facility Assessment and Recycling Assessment)
- Assessed Billing Charge.
- Tipping Fees by Type of Waste.

Costs were allocated by budgetary line item to the various charges based on a rational nexus among the costs and the respective fees. Adjustments to the allocated rates were then made to recognize benefits of an integrated solid waste operation, market comparisons, pricing incentives to discourage out-of-town waste, and general rounding of rates for ease of billing. For additional detail concerning the methodology, allocation and design of the proposed Fiscal Year 2022 rates please reference Section 9 of this report.

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The following table provides a brief summary of the primary residential assessments and tipping fees recommended for the Fiscal Year 2022:

Summary of Historical, Existing, and Recommended Rates

Description	Historical 2020	Existing 2021	Recommended 2022
Assessments:			
Collection (Avg. Areas 1-5) [1]	\$145.62	\$145.62	\$154.69
Disposal MSW [2]	45.18	45.18	53.00
Disposal Yard Waste [3]	6.62	6.62	8.40
Disposal Facility Assessment Charge [2]	15.53	15.53	17.25
Recycling [4]	0.00	11.05	11.05
Surcharges	0.00	0.00	0.00
Billing Fee	2.45	2.45	2.45
Early Prepayment Gross Up (4%)	8.97	9.44	10.29
Gross Assessment Average for Areas 1-5 [5]	\$224.37	\$235.88	\$257.13
Assessment Paid in February = 1% Discount	\$222.13	\$233.07	\$254.56
Assessment Paid in January = 2% Discount	219.88	230.71	251.99
Assessment Paid in December = 3% Discount	217.64	228.36	249.42
Assessment Paid in November = 4% Discount	215.40	226.00	246.84
Tipping Fees per Ton by Waste Type			
MSW [6]	\$50.20	\$50.20	\$53.00
Horticulture / Yard Waste	25.46	31.00	35.00
C&D	32.95	48.40	53.00
Class III	32.95	48.40	53.00
Tires	80.00-120.00	120.00	160.00
Recycling	N/A	38.12	38.12
Surcharges per MSW Ton [6][7]	\$0.00	\$0.00	\$0.00
Disposal Facility Assessment per Ton [8]	\$17.25	\$17.25	\$17.25

[1] Amounts shown reflect the average fee charged for the franchise collection areas 1-5.

[2] County assesses residential customers the MSW disposal and the Disposal Facility Assessment based on the following waste generation assumptions:

FY20 – 0.90 tons FY21 – 0.90 tons FY22 – 1.00 tons

[3] County assesses residential customers the Yard Waste Assessment based on the following waste generation assumptions:

FY20 – 0.26 tons FY21 – 0.21 tons FY22 – 0.24 tons

[4] County assesses residential customers the Recycling Assessment based on the waste generation assumption of 0.29 tons per unit for Fiscal Years 2021 and 2022.

[5] Reflects gross assessments before early prepayment discounts as allowed by Florida Statutes, Chapter 197.

[6] Unincorporated waste generated by commercial and multi-family customers is charged a gate fee per ton including the addition of the base tipping fee plus applicable surcharges per ton for MSW deliveries. Currently the County does not charge for any surcharges.

[7] Amounts shown are not charged to municipal customers, with exception to Fort Myers Beach, Bonita Springs, and the Village of Estero for which the County provides collection services and assess any applicable surcharges pursuant to interlocal agreement. Currently the County does not charge for any surcharges.

[8] Presented for informational purposes only since the disposal facility assessment charge is charged to all customers by assessment and to Hendry County as part of their gate fee.

Additionally, based on a recycling report prepared for and discussions with Department staff, a multi-family recycling assessment of \$4.37 per year, per unit has been calculated to be added to the multi-family Solid Waste System Assessment to recover the net costs associated with recycling operations. It should be noted that the proposed assessment, in addition to the single-family recycling assessment, does not recover the full net cost of recycling operations.

The bill for residential solid waste collection and disposal is collected by non-ad valorem assessment included on the ad valorem tax bill as allowed by Florida Statutes, Chapter 197, which provides a reliable basis for solid waste services and the ability to lien a property for non-payment. As can be seen above the overall residential collection and disposal assessment for unincorporated residents of the County include a mark-up to the calculated fee for the early payment discount that is extended to customers as part of the ad

valorem billing process (pursuant to Florida Statutes, customers may elect to receive a discount of up to 4% if they pay all of the charges and taxes included on the ad valorem tax bill prior to the due date of the bill). Therefore, if the full 4% discount is recognized by a property owner (the majority of the property owners elect to pay early and obtain the 4% discount), the County will collect the full rate for service (after the discount is applied); the mark-up of fees included on the ad valorem tax bill is customary and allows the solid waste enterprise fund to fully collect the fees for service. As can be seen from the prior table, the residential solid waste charge for collection and disposal services is expected to increase by approximately \$21 or \$1.77 per month for the Fiscal Year 2022. Disposal cost increases for residential customers within municipalities (excluding residents of the City of Bonita Springs, the Town of Fort Myers Beach, and the Village of Estero) served by the County may see their annual charges increase (excludes collection increases) by approximately \$12^[4] a year or \$0.98 per month. The following table provides a summary of comparable fees charged by other Florida Counties for collection and disposal service to the existing and proposed fees for the County:

Solid Waste Fee Comparison with Other Florida Systems

Description	Residential Assessment			MSW	C&D	Tipping Fees	
	Collection	Disposal	Total			Yard Waste	Tires
Lee County – Existing [1] [2]	\$130.25 - \$174.38	\$84.20	\$214.45 - \$258.57	\$50.20	\$48.40	\$31.00	\$120.00
Lee County – FY22 [1] [2]	\$138.21 - \$185.00	\$95.99	\$234.20 - \$280.99	\$53.00	\$53.00	\$35.00	\$160.00
Other Systems with Waste-to-Energy Facilities:							
Broward County [3]	N/A	N/A	\$290.00	N/A	\$50.00	\$50.00	\$110.00
Hillsborough County [4]	\$186.43	\$102.89	\$289.32	\$73.22	\$62.38	\$37.06	\$130.00
Miami-Dade County [5]	N/A	N/A	\$484.00	\$63.57	\$63.57	\$63.57	\$114.18
Palm Beach County [4]	\$170.00 - \$334.00	\$173.00	\$343.00 - \$507.00	\$42.00	\$55.00	\$32.00	\$75.00
Pasco County [4]	\$206.72	\$72.00	\$278.72	\$72.08	\$72.08	\$72.08	\$200.00
Pinellas County [4]	N/A	N/A	\$192.00	\$42.15	\$42.15	\$42.15	\$110.00
City of Tampa [4]	N/A	N/A	\$418.92	\$71.00	\$51.00	\$71.00	\$117.00
Systems without Waste-to-Energy Facilities:							
Charlotte County [2]	N/A	N/A	\$271.55	\$38.43	\$38.43	\$38.43	\$122.76
Collier County [4]	N/A	N/A	\$214.07 - \$221.85	\$74.93	\$83.84	\$49.92	\$204.76
Hernando County [4]	\$176.40	\$69.40	\$245.80	\$54.50	\$45.00	\$20.00	\$100.00
Manatee County [4]	N/A	N/A	\$171.96	\$40.00	\$61.00	\$40.00	\$86.00
Polk County [2]	\$144.50	\$52.00	\$196.50	\$36.50	\$36.50	\$22.00	\$300.00
Sarasota County [2]	N/A	N/A	\$218.31	\$57.56	\$54.00	\$41.37	\$158.60
Other System Averages	\$217.41	\$93.86	\$314.26	\$55.50	\$55.00	\$44.58	\$140.64

- [1] Amounts shown for the residential assessment reflect the gross assessment before early prepayment discounts. The billing charge is included as a component of the residential disposal assessment.
- [2] Denotes residential collection service at one day per week for garbage, recycling, and yard waste collection.
- [3] Broward County residential collection includes two days per week for garbage collection, one day per week for recycling collection and one day per month yard waste collection.
- [4] Denotes residential collection service at two days per week for garbage collection and one day per week for recycling and yard waste collection. Note garbage collection service in Pinellas County is for one or two days per week depending on location.
- [5] Miami-Dade County residential collection service includes two days per week for garbage / yard waste collection and one day every other week for recycling collection.

As can be seen above, the County's proposed rates being recommended for adoption by the Board of County Commissioners ("BOCC") for the Fiscal Year 2022 are projected to remain comparable to and / or below the average charged by the other surveyed counties for similar solid waste service.

[4] Note that residential customers within municipalities are responsible for collection services within their boundaries and pay a separate charge for collection directly to the municipality. Amounts shown reflect only the estimated increase in cost to the average residential customer if they were to pay the County's proposed MSW and yard waste tipping fee and the assumed Solid Waste Assessment charge per ton of delivered waste. Actual impacts to residential customers may vary due to fee application through MSTU or assessment.

Summary of Recommendations

Based on the findings of this study the following observations and recommendations are provided for consideration by the BOCC and County administration:

- The existing disposal and collection fees for service are projected to be insufficient to fund the identified funding requirements of the System and it is recommended that the BOCC consider adopting and implementing the recommended rates for the Fiscal Year 2022.
- Recognizing the uncertainty surrounding changes in market conditions and the timing of the need for additional disposal capacity, staff should continue to closely monitor and perform annual financial projections to assess the sufficiency of System revenues to meet the expenditure needs of the System and for compliance with the rate covenants and flow of funds requirements delineated in the Bond Resolution and need for additional rate adjustments; and
- The County should continuously review and update the financial plan to evaluate trends in service area growth, solid waste elements, costs, and capital reinvestment and financing to ensure compliance with the Rate Covenants contained in the Bond Resolution, promote the overall creditworthiness of the System and limit financial risk, and provide for long-term rate sustainability.

Board Action

On August 3, 2021 the BOCC approved Resolution No. 21-08-07 adopting solid waste assessment rates for Fiscal Year 2022. Additionally, solid waste tipping fees are approved through County Administrative Code. Below is a summary of the adopted rates for Fiscal Year 2022.

Existing and Adopted Residential Assessment

Area	Existing	Adopted	Annual Increase	
	2021	2022	Amount	Percent
Area 1	\$225.82	\$232.84	\$7.02	3.1%
Area 2	214.45	221.47	7.02	3.3%
Area 3	242.07	249.09	7.02	2.9%
Area 4	238.50	245.52	7.02	2.9%
Area 5	258.57	265.59	7.02	2.7%

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Summary of Adopted Fiscal Year 2022 Rates

Description	Adopted 2022
<u>Assessments:</u>	
Collection (Avg. Areas 1-5) [1]	\$145.62
Disposal MSW [2]	50.20
Disposal Yard Waste [3]	6.62
Disposal Facility Assessment Charge [2]	17.25
Recycling [4]	11.05
Surcharges	0.00
Billing Fee	2.45
Early Prepayment Gross Up (4%)	<u>9.71</u>
Gross Assessment Average for Areas 1-5 [5]	\$242.90
<u>Tipping Fees per Ton by Waste Type</u>	
MSW [6]	\$50.20
Commercial Horticulture / Yard Waste	37.50
Residential Horticulture / Yard Waste	31.00
C&D	60.00
Class III	60.00
Tires	160.00
Recycling	38.12
Surcharges per MSW Ton [6]	\$0.00
Disposal Facility Assessment per Ton	\$17.25
<p>[1] Amounts shown reflect the average fee charged for the franchise collection areas 1-5.</p> <p>[2] County will assess residential customers the MSW disposal and the Disposal Facility Assessment based on the waste generation assumption of 1.0 ton of waste per unit.</p> <p>[3] County will assess residential customers the Yard Waste Assessment based on the waste generation assumption of 0.21 tons per unit.</p> <p>[4] County will assesses residential customers the Recycling Assessment based on the waste generation assumption of 0.29 tons per unit.</p> <p>[5] Reflects gross assessments before early prepayment discounts as allowed by Florida Statutes, Chapter 197.</p> <p>[6] Unincorporated waste generated by commercial and multi-family customers is charged a gate fee per ton including the addition of the base tipping fee plus applicable surcharges per ton for MSW deliveries. Currently the County does not charge for any surcharges.</p>	

It should be noted that the County did not adopt the recommended multi-family recycling fee and did not pass-through collection hauler increases based on contractual rate indexing from the current year or previous years that were not passed through to customers.

The rates as adopted by the BOCC and County Administrative Code for Fiscal Year 2022 are projected to not have a material impact on the financial forecast or the financial position of the System. Additionally, the County evaluates rates and the financial position of the System annually. Table ES-2 presents a summary of the financial position of the System under the adopted Fiscal Year 2022 rates.

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LEE COUNTY, FLORIDA

SOLID WASTE REVENUE SUFFICIENCY AND RATE STUDY

INTRODUCTION

On behalf of the Lee County Solid Waste Department (the "Department"), Raftelis Financial Consultants, Inc. ("Raftelis") was tasked with the preparation of a six-year revenue sufficiency and rate study of the integrated solid waste management system (the "System") encompassing the Fiscal Year 2021 beginning October 1, 2020 (the current budget year) through Fiscal Year 2026 ending September 30, 2026 (the "Forecast Period"). Specifically, Raftelis was tasked with:

- Updating the financial forecast model to analyze the financial and business activities of the Solid Waste Enterprise Fund, including evaluating anticipated changes over-time to the following components of the enterprise operations:
 - Growth or declines in assessed units and waste tonnage deliveries by customer type, category of waste and disposal facility.
 - Capacity utilization of the County's disposal facilities.
 - Inflation of expenses or changes in System operations affecting costs.
 - Contractual operating expenses and shared revenues.
 - Long-term liabilities for landfill closure and post-closure costs.
 - Capital funding requirements and issuance of additional debt.
 - Cash reserves and investment income recognized by fund type and purpose (e.g., operating versus capital funds).
 - Compliance requirements of the System, including financial assurance requirements of the Florida Statutes from landfill closure and the rate covenants associated with the outstanding debt.
- Evaluation of the System's overall financial position and recommended financial management policy.

This report provides a summary of the recent trends, study methodology, principal assumptions, findings, and an overview of the projected financial position of the Department.

SECTION 1: GENERAL OVERVIEW

The Department is responsible for the disposal of solid waste for approximately 750,000 residents throughout the County and contractually responsible for disposal of waste deliveries from Hendry County associated with the shared Lee / Hendry Regional Solid Waste Disposal Facility (the "Lee / Hendry Landfill" or "LHLF"). The Department typically processes approximately one million tons of solid waste annually comprised primarily of: i) garbage or class I waste (also referred to as MSW); ii) horticulture or yard waste; iii) single-stream recycling; iv) class III waste (i.e., waste that does not leach) and construction and demolition debris; and v) biosolids or sludge from wastewater treatment plant operations.

Facilities

The County has received numerous awards and recognition of the System's facilities and staff operations, which represent both a significant achievement and investment made by the County and staff. The operations and facilities for the County are oriented towards minimizing landfilling of waste and promoting recycling. For the Fiscal Year 2019, the County achieved a recycling credit rate of 80.5%, which ranks first statewide. To achieve the high rate of recycling, the County provides once a week residential single-stream recycling collection, receives renewable energy credits for waste disposal at the waste-to-energy facility, and has adopted ordinances which require mandatory recycling for commercial and multi-family residential waste, as well as mandatory recycling of C&D wastes. The following section provides an overview of the primary disposal facilities.

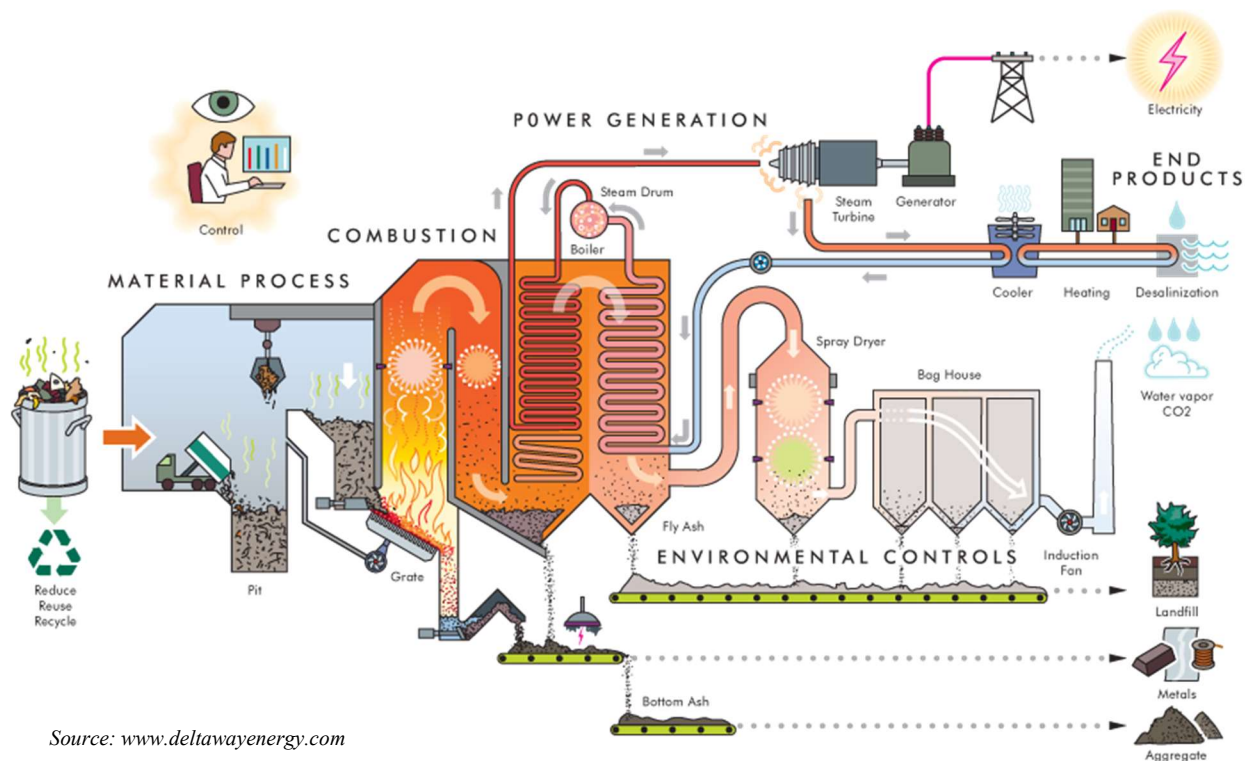


The Buckingham Campus shown above provides synergies for the integrated solid waste management system and includes the collocated WTE, MRF, C&D Recycling, MSW transfer station (not pictured), fleet maintenance, tire and yard waste processing facilities. Not shown are the County's other disposal facilities including: Lee / Hendry Landfill, compost facility, household chemical waste, and Hendry County transfer stations.

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Waste-to-Energy (WTE) Facility

The County's WTE facility is the primary means of disposal for all inbound waste. During the Fiscal Year 2020, the County burned approximately 600,000 tons of waste or approximately 60% of the total inbound waste delivered. Waste burned at the WTE facility is referred to as processable waste and is primarily comprised of MSW, yard waste, residuals from residential and C&D recycling programs, and some tire waste. Burning waste produces approximately 535 kWh (kilowatt-hours) of net electricity per ton on average, while reducing the total volume and weight of MSW by 90% and 75%, respectively. This means burning 30 tons of waste results in enough electricity to power a typical residential home in Florida for one year and producing a dense ash by-product that weighs approximately 7.5 tons but has the same volume as only 3 tons of MSW. The following diagram provides an overview of a typical WTE facility operation:



In addition to the production of electricity and significant reduction in the volume of waste landfilled the WTE also recovers ferrous and non-ferrous metals, which are sold and recycled to help offset the cost of operation. The Florida Department of Environmental Protection (the "FDEP") provides a recycling credit for each MWh of energy production equal to one ton of recycling waste. For the Fiscal Year 2019, the County generated a gross electrical production of 0.63 MWh (megawatt-hours) per ton processed resulting in a 0.63 recycling credit for every ton burned. It should be noted that if the County achieves a traditional recycling rate above 50% (excluding waste burned at the WTE), which it did in Fiscal Year 2019, the credit for electrical production is equal to 1.25 tons per MWh of energy production.

The facility operates seven days a week and 24 hours a day through a contractual agreement with Covanta Lee Inc. ("Covanta"). The agreement was amended in 2006 for the expansion of the current WTE from 1,200 tons per day to the full design capacity of 1,836 tons per day. The expansion was primarily funded by the issuance of the Series 2006 Bonds. The agreement with Covanta is valid through November 30, 2024 and identifies, among other things, that: i) a minimum amount of waste must be delivered by the County (the "Guaranteed Tonnage") and processed by Covanta (the "Process Guarantee"). The Process Guarantee

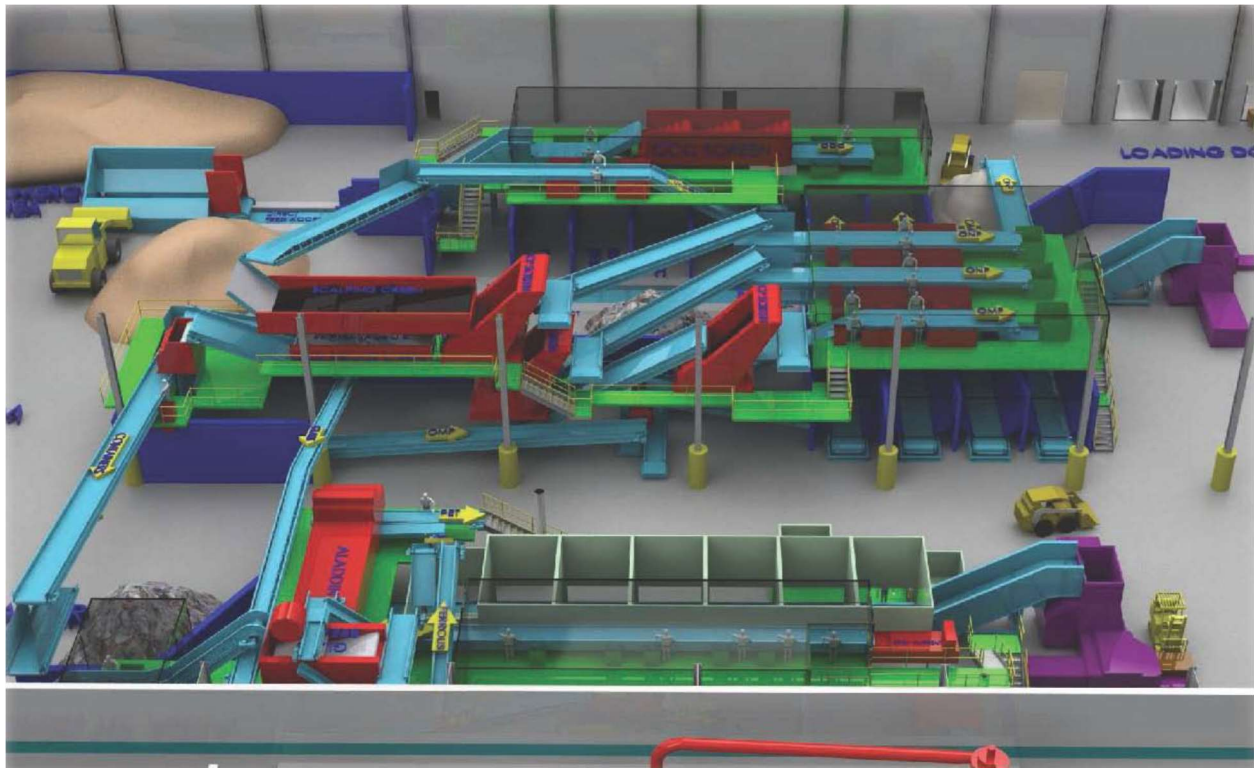
by Covanta is equal to 569,619 tons annually (assuming no uncontrollable events impairing operations). The Guaranteed Tonnage is established annually by written notification from the County to Covanta 90 days prior to the start of the subsequent Billing Year and must be less than or equal to the Process Guarantee; ii) Covanta is contractually responsible for the operation, maintenance, renewal and replacement of the facility and has certain performance guarantees related to the use of energy, materials and supplies required for the operation of the WTE facility; and iii) Payment to Covanta is primarily comprised of an increasing service fee based on the amount of waste processed plus revenue sharing provisions equal to 10 percent of electrical energy sold and 50 percent of any ferrous and non-ferrous metal sales.

Recognizing the WTE facility is the primary means of disposal for the County it is important to note the associated risks to operations. A primary concern of operation is related to a prolonged failure of equipment due to an uncontrolled circumstance or other event impairing the function of the facility, which would result in the lack of electrical production and / or inability to process waste at the WTE. The County can divert waste to the Lee / Hendry Landfill under such circumstances but would increase the cost of disposal associated with transport and disposal, which was estimated at approximately \$31 per ton pursuant to a March 2013 memorandum by the Department's then legal counsel, R. Stuart Broom (the "Broom Memo"). Pursuant to the Broom Memo, a similar event occurred to the Stanislaus Resources Recovery Facility in California in late 2011 from a failure of the generator resulting in a lack of electrical generation for an 11-month period. For reference, the County generated approximately \$6.1 million in net electric revenue sales for the Fiscal Year 2020. Other risks identified in the Broom Memo include the contractual obligation to pay Covanta for the guaranteed waste deliveries, as well as, a loss of parasitic electrical production from a loss in operation of the generators at the WTE facility requiring the purchase of electricity and gas for the continued burning of waste. As a result, it is important that the County maintain adequate reserves to provide financial margins to account for the potential catastrophic or uncontrollable prolonged facility outages. Recommendations concerning Department reserves are discussed in more detail in subsequent sections to this report.

Material Recovery Facility (MRF)

The County's MRF is collocated with the WTE at the Buckingham Campus and is responsible for the processing all the County's single-stream recycling materials, which have averaged approximately 85,000 tons for the last five years. The MRF operates using electricity produced by the WTE facility. During processing, not all materials can be recycled resulting in residuals that are routed to the WTE facility to be burned. The MRF recycling residuals have approximated 20% of total inbound recycling materials, with an increasing trend, over the last five years. The FDEP provides credits for every ton of recycled waste. The following illustration provides an overview of the facility equipment and sorting stations.

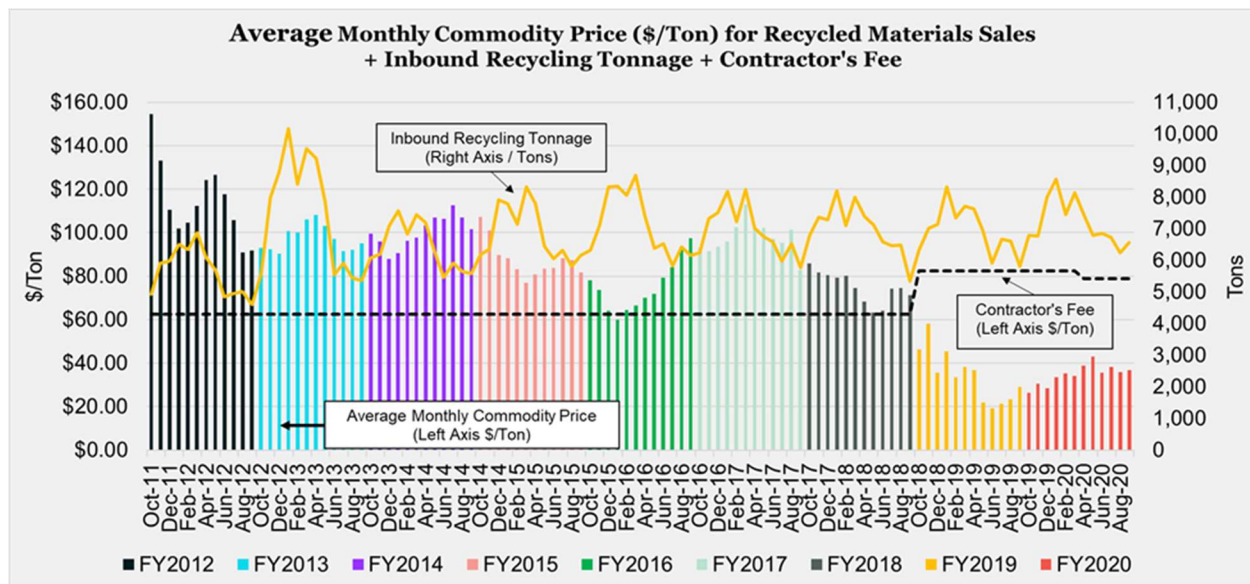
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The processing facility is equipped with an electronically controlled conveyor belt, an optical sorter, several screens, and magnets that sort the recyclable material by product. The MRF can process up to 30 tons of recyclable material per hour.

Operations for the County's MRF is contractually provided by ReCommunity Holdings ("ReCommunity") and are responsible for the processing, recycling, marketing, and sale of recycled materials. The prior agreement for operation of the MRF was extended through September 30, 2017. The County entered into a new agreement with ReCommunity effective October 1, 2017 through September 30, 2022, which was amended on November 27, 2018 affecting service beginning October 1, 2018. Pursuant to the amended service agreement, the contractor is paid an operations and maintenance (O&M) fee by the County, which is netted against the revenue from the sale of recyclables. Pursuant to discussions with Department staff, due to recent near-term changes in market conditions, the processing fee to the contractor was increased to help offset the greater processing costs due to increased labor to improve the quality of recovered materials to ensure the County can continue to market and sell recovered materials. The County shares in any revenue generated from the sale of recyclables above the contractor's fee with 85% of such revenues allocable to the County and 15% to the contractor. The chart below provides an illustration of the recent values for recycled materials relative to the contract price.

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As shown above, when the average monthly commodity price (shown as bars) falls below the contractor's fee (shown as dotted line), the County does not share in any revenues from the sale of recovered materials. During the Fiscal Year 2011 the County reported approximately \$3.0 million in revenue, however recycling has been net expense for Fiscal Years 2019 and 2020. For purposes of this Study no recycling revenues derived from the sale of recovered materials is assumed during the Forecast Period, however, should the County generate any such revenue, such amounts could be used to fund additional future capital needs.

Construction and Demolition Debris (C&D) Recycling Facility

The County's C&D recycling facility is collocated with the WTE and MRF facilities at the Buckingham Campus and is responsible for the recycling of delivered class III and C&D materials, which have averaged approximately 94,000 tons over the last five years. Of the processed waste in Fiscal Year 2020 approximately 26,000 tons were reported as recovered and recycled or repurposed as a landfill amendment for drainage or road maintenance. Approximately 39,000 tons were burned for energy at the WTE facility and the remainder of the waste that could not be recycled or burned was landfilled. The C&D recycling facility provides a benefit to the County by way of increasing the recycling rate of waste and consequently reducing the amount of landfilled waste.

The C&D recycling facility is owned and operated by the County and incorporates mechanical separation and manual separation of materials. The following illustration provides a photograph of the initial mechanical separation of C&D materials:

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Lee County C&D Debris Recycling Facility shown above. The following link provides a demonstration of the facility in operation:
www.youtube.com/watch?v=P4XYX1pvt2Q.

Lee / Hendry Regional Landfill

The Lee / Hendry Regional Landfill was constructed and placed in service to support the disposal of waste associated with operation of the System. It is located in Hendry County in close proximity to the County and State Road 82. Over the last five years the Lee / Hendry Landfill primarily disposed of: i) inert ash produced by the WTE facility averaging approximately 159,300 tons annually, C&D and class III waste approximately 55,800 tons annually, approximately 37,400 tons of MSW, and minor amounts of sludge not used for composting. It should be noted that due to the growth in waste deliveries and capacity limitations at the WTE facility, MSW deliveries to the Lee / Hendry Landfill have increased. Additionally, the five-year averages mentioned above include higher than average waste disposal at the Lee / Hendry Landfill in Fiscal Year 2018 due to Hurricane Irma. The following provides an overview of the facility:

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The Lee / Hendry Regional Landfill shown above includes an ash monofill, class I and class III landfill sites, leachate management and deep injection well, and the County's composting facility.

The Lee / Hendry Landfill primary disposal sites include:

- Ash Monofill: 36 active acres / Fully developed / Permitted capacity utilization = 48%.
- Class III: 25 active acres / Expandable up to 128 acres/ Permitted capacity utilization = 39%.
- Class I: 38 active acres/ Expandable up to 90 acres / Permitted capacity utilization = 64%.

The County entered into an interlocal agreement with Hendry County whereby the County is required to receive and dispose of waste generated by residents and businesses within Hendry County. In addition, the County is responsible for the operation and maintenance of two transfer stations located in Hendry County to receive and transfer waste to the County's disposal facilities. Only waste generated within Lee and Hendry Counties may be landfilled at the Lee / Hendry Landfill. As a condition of securing landowner support from adjacent properties for the development of the Lee / Hendry Landfill, the County entered into a separate agreement (the "Hendry Landowner Agreement") which provided for, among other things, limitations on the landfill height, runoff mitigation / setbacks and landfill use being primarily for the disposal of ash and minimal disposal of MSW.

Composting Facility

The County owns and operates a composting facility at the Lee / Hendry Landfill (shown in the photograph below), which receives approximately 38,000 tons of mulched yard waste and approximately 55,000 tons of sludge to produce over 20,000 tons of compost annually on average. The compost is primarily sold in bulk to local landowners for agricultural uses (e.g., orange groves, etc.). The remaining compost is sold to retail customers in bags or by cubic yard and ton at the County's facilities.



The County's composting facility utilizes specialized equipment, shown above, to periodically turn the mulch and sludge amendment to reduce heat buildup from bacteriological decomposition to more efficiently produce compost for resale. Link for brief demonstration: <https://youtu.be/szRFHoycAIQ>

SECTION 2: ENTERPRISE FUND AND REVENUE SUFFICIENCY METHODOLOGY

The Department operates and is established as an enterprise fund. As such, the enterprise fund must have revenues equal to the cost of services provided by the System and the County must establish rates sufficient to cover the cost of operating, maintaining, repairing and financing the System.

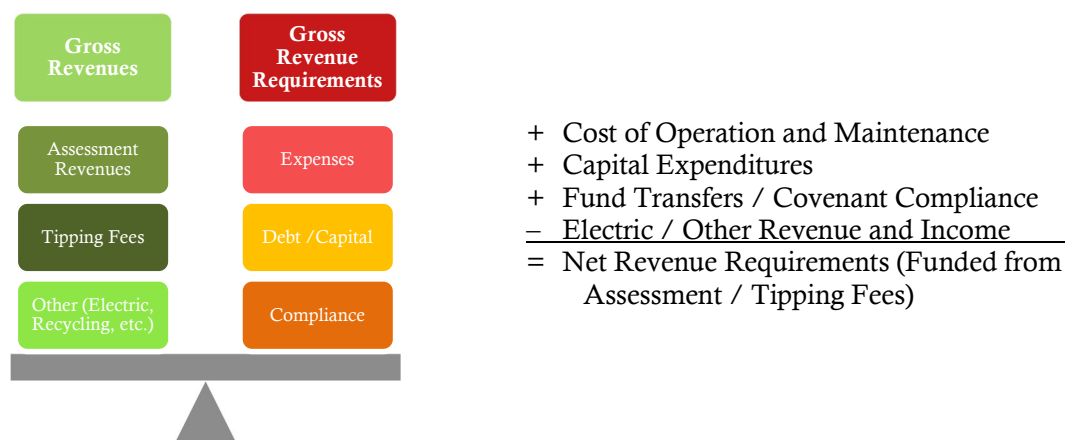
According to the Governmental Accounting Standards Board:

Enterprise Funds should be used to account for operations that are financed and operated in a manner similar to private business enterprises – where the intent of the governing body is that costs of providing services to the general public on a continuing basis be financed or recovered primarily through user charges.

The Department has historically maintained a positive financial position and annually reevaluates the sufficiency of rate / fee revenues through the budgetary and residential assessment setting procedures. The management within the Department is also responsible for evaluation of monthly financial and operating statistics. In order to evaluate the existing and forecasted financial position of the System the following methodology was recognized:

1. An evaluation of the service area requirements for the Department was reviewed. This included an analysis of the recent historical trends in customers served and waste generation tonnage statistics in order to provide: i) a representative forecast of System needs from a financial standpoint; and ii) a projection of rate revenues consistent with the projected service area needs.
2. Collection and disposal service-related costs were independently evaluated in order to determine the sufficiency of the respective collection and disposal fees for services. A revenue and cost allocation review was performed by budgetary line item and reviewed with staff.

3. A projection of the Net Revenue Requirements funded from disposal fees was analyzed utilizing the following approach:



4. Included as a component of Net Revenue Requirements was the development of a funding plan for the System capital equipment and facility improvements. The funding of these capital expenditures recognized the use of available cash reserves or user fees. Additional debt was assumed to aid in financing new facilities during the Forecast Period.
5. The cash position of the System was evaluated and taken into consideration through the identification of targeted minimum ending cash balances in order to adequately reserve working capital balances for operational risks (e.g., electrical production outages, changes in market values of recyclables, etc.) and provide funds for financing future capital needs of the System.
6. Estimate the necessary annual System rate adjustments that would be required to fund the Net Revenue Requirements and meet the overall financial needs of the System.

SECTION 3: AGREEMENTS

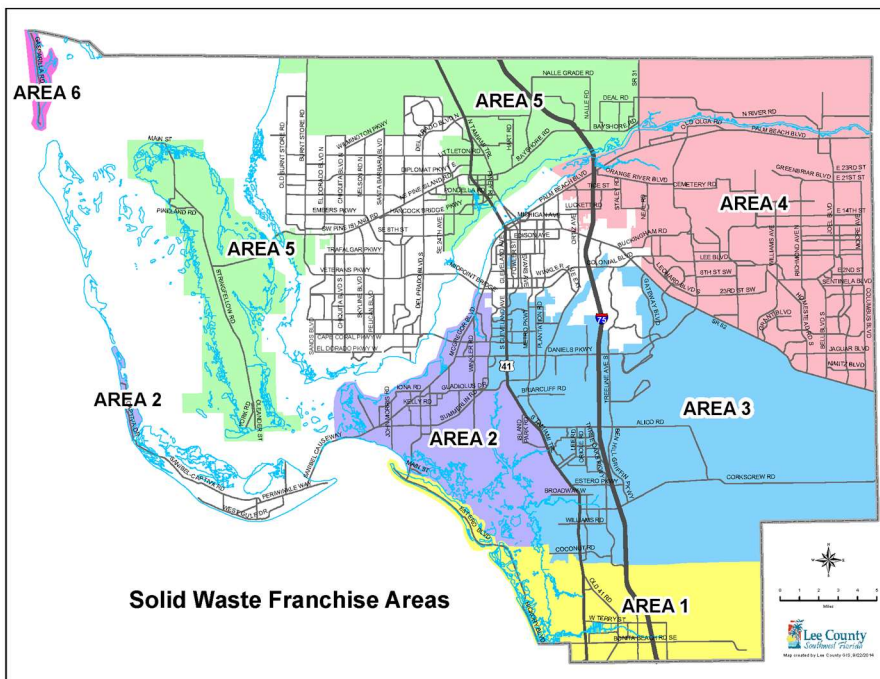
Approximately 75% of the operating expenses of the System are related to payments to private providers for contractual operations or contracted services. In addition, the County generates a significant portion of revenues through contractual agreements including municipal interlocal agreements for waste disposal and from electrical sales agreement with Rainbow Energy Marketing Corporation. This section provides a brief overview of the principal agreements affecting operations for the County.

Contract Operations

The principal contractual operating expenses are associated with the solid waste collection services and operations of the various disposal facilities of the System. The following agreements are discussed in order of greater to lesser cost of operation to the System:

Franchised Collection Services

Franchised collection services represented approximately \$25.5 million or 29% of total operating expenses of the System in Fiscal Year 2020. The County has contracted with several waste haulers to collect and dispose of waste for the following six franchised collection areas:



Area 1 - Incorporated: South / Bonita Springs, Fort Myers Beach, Village of Estero

Area 2 - Unincorporated: Southwest / Captiva, Iona, McGregor

Area 2 - Incorporated: Village of Estero

Area 3 - Unincorporated: Southeast / San Carlos

Area 3 - Incorporated: Village of Estero

Area 4 - Unincorporated: Northeast / Leigh Acres, Alva

Area 5 - Unincorporated: Northwest / Pine Island, North Fort Myers

Area 6 - Unincorporated: Northwest / Boca Grande

Collection services include automated collection and are serviced by several private hauling providers. Collection services include once-a-week garbage, yard waste, and recycling collection for single-family residences. Commercial and multi-family customers may contract directly with franchised haulers for service. With exception to commercial and multi-family customers, the County pays the franchise haulers on a monthly basis for collection services. To recover the cost of collection from residents, the County charges an annual collection assessment that varies by service area. Each franchise area is charged an established rate per residential unit, which may be indexed annually. To administer the collection program, the County charges the franchise haulers a franchise fee at 5.5% of the haulers' total collection revenues. With respect to the City of Bonita Springs, the Town of Fort Myers Beach, and the Village of Estero the County remits any associated franchise fee collections to the respective municipalities. To recover the cost of collection from residents the County in turn charges an annual collection assessment that varies by service area.

It should be noted that due to the location of approximately 1,250 residences in Boca Grande (Area 6), located on Gasparilla Island, the County has entered into a service extension agreement with Waste Management Inc. of Florida to dispose of collected waste in Boca Grande at the Charlotte County disposal facilities.

Waste-to-Energy Facility (WTE) Operations

Contract operations for the WTE represent a net cost of approximately \$26.3 million (gross expense before revenue sharing = \$27.7 million) or 31% of total operating expenses of the System. The County entered into agreement with Covanta Lee, Inc. dated January 31, 2006. The agreement is valid through November 30, 2024, unless otherwise terminated or extended in accordance with the agreement. Covanta is responsible for the operation, maintenance, and repair of the WTE, with exception to repairs related to uncontrollable circumstances such as hurricane, flooding, etc.

The agreement provides for certain performance guarantees on behalf of both parties. The County is responsible for providing a minimum amount of processable waste, defined as the Guaranteed Tonnage, which is 569,619 tons (i.e., 85% of WTE design capacity). The County exceeded this requirement during the Fiscal Year 2020 by approximately 31,800 tons or 6% of the guarantee. Covanta has a responsibility to

process the tonnage delivered up to the Processing Guarantee as defined by agreement. Covanta also has a maximum performance guarantee on the use of certain materials and supplies used in the burning and generation of electricity.

Pursuant to Section 6.01 of the agreement, Covanta is compensated based on the following formula:

$$\text{Service Fee} = \text{OM} + \text{ETF} + \text{PT} + \text{EC} - \text{RRR} - \text{LC} + / - \text{MD} = / - \text{MA}$$

Below is a description of the service fee components.

- OM = Operation and Maintenance Charge represents a base fee of \$21.9 million for a Process Guarantee of 569,619 during the Fiscal Year 2020, which includes annual allowances for increases to the OM charges for inflation
- ETF = Excess Tonnage Fee represents an additional charge per ton of processed waste above the Processing Guarantee of 569,619 to incentivize the additional processing of waste by Covanta. The fee varies based on if the tonnage above the Process Guarantee is below or exceeds 90% Availability of the WTE facility. The ETF represents approximately \$0.7 million for the Fiscal Year 2020.
- PT = Pass Through Costs represents costs associated with operation of the WTE including electric, water, sewer, reclaimed, taxes, insurance, environmental testing, etc. Beginning in the Fiscal Year 2017, the purchase of chemicals is included as a PT cost. Such amounts are based on actual costs exclusive of any markup for profit and were approximately \$4.0 million for the Fiscal Year 2020.
- EC = Energy Credit represents sharing in the electric sales revenues generated from the operation of the WTE at 10% of the net electric revenues. The EC was approximately \$0.5 million for the Fiscal Year 2020. The shared revenue is deducted from the County's charges.
- RRR = Recovered Resources Revenues representing the sharing in the recovered material sales (i.e., sale of recovered ferrous and non-ferrous metal scrap) revenues generated from the operation of the WTE at 50% of the gross sales revenues. Covanta handles marketing and sales of the metals and provides an offset to the County's bill. The County recently upgraded the metal recovery equipment through an improvement to the magnet, which is expected to improve metal recovery separation from wasted ash. The total revenues from the sale of metals were approximately \$1.4 million during the Fiscal Year 2020 of which approximately \$0.7 million or 50% was remitted to the County by way of a reduction to the County's contract operations charges.
- LC = Landfill Charge represents a credit to the County for Bypassed Waste (i.e., waste which was processable and which the contractor elected not to process) equal to the tons of Bypassed Waste times the Landfill Charge.
- MD = Monthly Damages represents credits from Covanta to the County for exceeding performance guarantees on the maximum use of supplies or materials such as dolomitic lime, propane and / or water consumption.

- MA = Monthly Adjustment represents a true-up performed monthly and at the close of the fiscal year primarily related to the Availability bonus for exceeding 90% Availability.

Materials Recovery Facility (MRF) Operations

The MRF is contractually operated by ReCommunity doing business as FCR LLC. ReCommunity is responsible for the processing and remarketing of single-stream recycling delivered and processed at the County's MRF facility. The County's current contract is valid through September 30, 2022 with an option for two additional two-year renewals. For purposes of this analysis, and based on discussions with Department staff, it is assumed that the County would take over MRF operations once the contract expires.

Pursuant to agreement, ReCommunity must compensate the County monthly for: i) a portion of the recycling revenues derived monthly above the contract fee; ii) a host fee; and iii) all tipping fees on residue generated from operations. The shared revenues with the County are calculated based on the product of the market value or average commodity revenue ("ACR") of the recovered material less the operations and maintenance fee times inbound tons times eighty-five percent (85%). Based on the delivery of recyclables and market value of the recyclables recycling was a net expense during the Fiscal Year 2020. For purposes of this Study, no recycling revenues from the operation of the MRF are assumed during the Forecast Period.

Lee / Hendry Regional Landfill Operations

Contract operations for the Lee / Hendry Landfill represented a cost of approximately \$1.9 million for Fiscal Year 2020 or 2% of total operating expenses of the System. The County entered into agreement with Waste Management Inc. of Florida ("WMI") on February 2, 1994 with an initial 10-year term and an additional 10-year renewal option. Pursuant to information provided by Department staff, the current agreement is scheduled to terminate with no additional renewal options on September 30, 2022. The agreement provides for the reimbursement of actual cost plus (+) an approximate thirty percent (30%) markup for applicable costs plus (+) reimbursement of equipment taxes and other costs of operation plus (+) an indemnity rate of \$1.42 per ton of waste landfill by WMI. For the purposes of this analysis, it is assumed that the County will take over landfill operations once the current contract expires.

Electric Sales Agreements

Rainbow Energy Marketing Corporation.

On November 1, 2016 the County entered into an agreement with Rainbow Energy Marketing Corporation (REMC) to locate wholesale markets for electric energy and to sell and dispatch energy to such markets. REMC offers three services to the County:

- i. Short-term Marketing Services, which represents services less than 31 days of duration.
- ii. Long-term Marketing Services, which represents services greater than 31 days and less than 365 days of duration.
- iii. Scheduling Services.

When REMC enters into a transaction with a customer, REMC purchases energy from the County, which is then sold and dispatched. The County's revenues associated with energy market sales are net of transmission, marketing, and imbalance fees.

The County recently entered into an agreement with Tampa Electric Company on December 17, 2020 for delivery and sale of as-available energy.

It should be noted that the Public Utility Regulatory Policies Act of 1978, as amended, requires that all investor owned utilities (IOUs) purchase electricity generated by the County's WTE and conveyed to the

grid since the WTE is considered a qualified small renewable energy producer^[5]. The projection of gross annual electric revenue sales is estimated at approximately \$6.7 million by the end of the Forecast Period.

Interlocal Agreements

As previously discussed, the County provides waste disposal services to incorporated residents throughout the County. Services to municipalities within the County are provided through interlocal agreements with the Cities of Bonita Springs, Cape Coral, Fort Myers, Sanibel, the Town of Fort Myers Beach, and the Village of Estero. The County recently renegotiated the interlocal agreements with the most significant changes assumed to allow the County to begin charging for recycling services and eliminate certain limitations on the ability of the County to raise fees. The renegotiated interlocal agreements expire on September 30, 2030 and have the option for two additional five-year terms. The County also entered into interlocal agreements with Collier, Charlotte and Hendry County for other purposes as discussed in greater detail below:

City of Bonita Springs, Town of Fort Myers Beach, and Village of Estero

The City of Bonita Springs, the Town of Fort Myers Beach, and the Village of Estero entered into the current agreements for collection and disposal services with the County in September 2020. The County is and shall be responsible for the collection, billing, customer service, and disposal of MSW, vegetative waste, and residential recyclable material from within the municipalities. The County shall also be responsible for planning and developing additional solid waste disposal capacity and / or facilities that are environmentally sound and economically practical in order to provide disposal services for additional MSW generated by the municipalities due to growth. The municipalities agree, to the extent that it may lawfully do so, to cause its MSW, vegetative waste and recyclable materials to be directed to the County's System, or other County designated facilities, for the term of the agreement. The County is also responsible for providing a collection point for the disposal of household hazardous waste.

The County provides equivalent service and charges residents within the municipalities in the same manner as it does the unincorporated residents of the County. It should be noted that the County remits all franchise fee revenues collected from the franchise haulers for the municipalities in Franchise Area 1, including the Village of Estero which is also found in Franchise Areas 2 and 3.

City of Cape Coral

The City of Cape Coral entered into the current and amended agreement for disposal-only services (i.e., the County does not administer or provide collection services) with the County in August 2020. The term for the agreement shall terminate September 30, 2030 with the option for the City of Cape Coral to renew for up to two additional five-year terms. Pursuant to the terms of the agreement between the parties, the County is and shall be responsible for the disposal of MSW, vegetative waste, and recycled materials recovered from within the municipality. The County shall also be responsible for planning and developing additional solid waste disposal capacity and / or facilities that are environmentally sound and economically practical in order to provide disposal services for additional MSW generated by the municipality due to growth. The municipality agrees, to the extent that it may lawfully do so, to cause its MSW, vegetative waste and recyclable materials to be directed to the County's System, or other County designated facilities, for the term of the agreement. The County is also responsible for the administration and collection of household hazardous waste within the municipality. The County is also responsible for providing transportation, processing, and disposal services for acceptable biosolids from the City of Cape Coral's water reclamation facility.

[5] Defined as an entity not engaged in the electric business which generates renewable energy from a facility of eighty (80) megawatts or less.

The County charges the customers within the municipality through both a Municipal Services Taxing Unit (previously defined as the "MSTU") and a tipping fee for MSW and yard waste delivered to the County. Pursuant to the agreement, the County is limited by the rate at which it may: a) charge customers through the MSTU not-to-exceed 0.5 mils; and b) escalate the MSW and yard waste tipping fee not-to-exceed a factor of 6% per year from the established MSW tipping fee of \$55.00 per ton and yard waste tipping fee of \$17.60 per ton during the Fiscal Year 2011. The County has since lowered the MSTU and tipping fees below the initial levels established during the Fiscal Year 2011. It should also be noted that the County charges customers within the municipality the same tipping fee as all other customers of the System, with exception to the exclusion of the solid waste operation and right-of-way surcharges. The municipality benefits from the remittance of the net recovered material sales revenues from the proportion of recycled materials delivered by the municipality to the County's MRF in the event such revenues are generated. The revenues derived from charges for disposal service under existing rates from waste generated and delivered to the County is estimated at approximately \$6.3 million annually. This does not consider any revenues from the sale of recovered materials from operation of the WTE facility, which are retained by the County (i.e., ferrous and non-ferrous revenues) to offset the cost of operation for the WTE facility.

City of Fort Myers

The City of Fort Myers entered into the current agreement for disposal-only services (i.e., the County does not administer or provide collection services) with the County in September 2020. The term for the agreement shall terminate September 30, 2030 with the option for both parties to renew for up to two additional five-year terms. Pursuant to the terms of the agreement between the parties, the County is and shall be responsible for the disposal of all MSW, residential vegetative waste, and residential recycled materials recovered from within the municipality. The County shall also be responsible for planning and developing additional solid waste disposal capacity and / or facilities that are environmental sound and economically practical in order to provide disposal services for additional MSW generated by the municipality due to growth. The municipality agrees, to the extent that it may lawfully do so, to cause all its MSW, residential vegetative waste and residential recyclable materials to be directed to the County's System, or other County designated facilities, for the term of the agreement. The County is also responsible for the grinding, shredding, screening, etc. of a portion of the municipality's horticulture waste and produces a mulch, graded material substantially free of plastics and other non-organic contaminants and make available and load into municipal vehicles, up to 15 tons per week of this mulch material for the municipality's use.

The County charges the customers within the municipality through both a non-ad valorem assessment and a tipping fee for MSW and yard waste delivered to the County. The County agrees that to the extent that it may lawfully do so, the tipping fee charged to the municipality shall be the same as the fee charged to similar users within the unincorporated areas of the County and other municipalities within the County. The municipality also benefits from the remittance of the net recovered material sales revenues based on the relative proportion of recycled materials delivered by the municipality to the County's MRF in the event such revenues are generated.

The County shall also accept all biosolids produced by the City of Fort Myers' wastewater treatment facilities at a rate of \$44.48 per ton for disposal plus \$5.39 per ton for transportation (rates established effective October 1, 2020). The revenues derived from charges for disposal service under existing rates from waste generated and delivered to the County is estimated at approximately \$4.9 million annually. This does not consider any minor revenues from the sale of recovered materials from operation of the WTE facility, which are retained by the County (i.e., ferrous and non-ferrous revenues) to offset the cost of operation for the WTE facility.

City of Sanibel

The City of Sanibel entered into the current agreement for disposal-only services (i.e., the County does not administer or provide collection services) with the County in September 2020. The term for the agreement shall terminate September 30, 2030 with the option for both parties to renew for up to two additional five-year terms. Pursuant to the terms of the agreement between the parties, the County is and shall be responsible for the disposal of MSW, vegetative waste, and recycled materials recovered from within the municipality. The County shall also be responsible for planning and developing additional solid waste disposal capacity and /or facilities that are environmentally sound and economically practical in order to provide disposal services for any growth in MSW generated by the municipality. The municipality agrees, to the extent that it may lawfully do so, to cause its MSW, vegetative waste and recyclable materials to be directed to the County's System, or other County designated facilities, for the term of the agreement.

The County charges the customers within the municipality through both a non-ad valorem assessment and a tipping fee for MSW and yard waste delivered to the County. The County agrees that to the extent that it may lawfully do so, the tipping fee charged to the municipality shall be the same as the fee charged to similar users within the unincorporated areas of the County and other municipalities within the County. The municipality also benefits from the remittance of the net recovered material sales revenues based on the relative proportion of recycled materials delivered by the municipality to the County's MRF in the event such revenues are generated. The revenues derived from charges for disposal service under existing rates from waste generated and delivered to the County is estimated at approximately \$0.4 million annually. This does not consider any minor revenues from the sale of recovered materials from operation of the WTE facility, which are retained by the County (i.e., ferrous and non-ferrous revenues) to offset the cost of operation for the WTE facility.

Hendry County

As previously discussed, the County entered into an interlocal agreement with Hendry County whereby the County is required to receive and dispose of waste generated by residents and businesses within Hendry County. In addition, the County is responsible for the operation and maintenance of two transfer stations located in Hendry County to receive and transfer waste to the County's disposal facilities. Only waste generated within Lee and Hendry Counties may be landfilled at the Lee / Hendry Landfill. As a result, the County was allowed to construct the landfill within Hendry County. Services are charged to customers of Hendry County through tipping fees, which may include a \$5 per ton surcharge or higher surcharge for tires remitted back to Hendry County pursuant to the agreement.

Other Agreements

Lee / Hendry Regional Landfill / Landowner Agreement

As previously discussed, in order to mitigate objections in the permitting of the Lee / Hendry Landfill from neighboring landowners, the County entered into the agreement June 23, 1993 with several neighboring landowners including Duda & Sons, Inc., Cooperative Producers, Inc., and Turner Foods Corporation. The agreement provides for, among other things, limitations on the landfill height, runoff mitigation / setbacks and intended use of the landfill being primarily for the disposal of inert ash and minimal disposal of MSW.

SECTION 4: SOLID WASTE ASSESSMENT AND FEES

The County provides waste disposal services to unincorporated and incorporated residents throughout the County. Services to municipalities within the County are provided through interlocal agreements as discussed in Section 3 of this report. The County principally charges customers for waste disposal services through: i) an annual non-ad valorem assessment or MSTU included as a component of the tax bill as allowed by Florida Statutes, Chapter 197, which provides a reliable source of revenues and the ability to lien a property for non-payment; and / or ii) a tipping fee paid per ton of waste delivered to the County's

disposal facilities. The following provides a brief discussion of the existing rate structure components as understood by Raftelis:

- Residential Collection Assessment: Charged to franchised residential customers receiving collection services (i.e., the Franchised Areas 1-6) administered by the County and to recover the direct cost of collection services from private franchised haulers.
- Residential Disposal Assessment: Charged to franchised residential customers for MSW and yard waste disposal services. The fee is currently based on average disposal rates of 0.90 tons of MSW and 0.21 tons of yard waste per residential unit. However, it is assumed that for Fiscal Year 2022 the assessed disposal rates will increase to 1.00 tons for MSW and 0.24 tons for yard waste to reflect actual historical tonnage generation.
- Solid Waste System Assessment: Charged to customers of the System to recover a portion of the disposal costs which benefits all disposal customers of the System (e.g., costs related to WTE, landfill, etc.) and to recover the net cost of recycling. The fee is typically a fixed fee charged either by non-ad valorem assessment but may also be charged pursuant to interlocal agreement with the municipalities by MSTU. The fee is currently based on average disposal rates of 0.90 tons of MSW and 0.29 tons of recycling for single family customers. For Fiscal Year 2022 the assessed MSW portion of the fee is assumed to increase to 1.00 tons. In some instances, the Solid Waste System Assessment may be considered as a means to promote flow control for the System.
- Billing Charge: Charged to all customers of the System related to assessments, MSTU or other fees associated with the tax roll for which the Department is charged a fee by the County's property tax appraiser and collector. The billing fee represents a direct pass-through of such costs to the Department.
- Tipping Fees by Type of Waste: Charged to customers that are not assessed the Residential Disposal Assessment for delivery of waste based on actual weighed deliveries.

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The following presents the recent and current rates charged by the County for collection and disposal services:

Summary of Recent Historical and Existing Rates

Description	2019	Historical 2020	Existing 2021
Assessments:			
Collection (Avg. Areas 1-5) [1]	\$145.62	\$145.62	\$145.62
Disposal MSW	45.18	45.18	45.18
Disposal Yard Waste	6.62	6.62	6.62
Disposal Facility Assessment Charge	15.53	15.53	15.53
Recycling Assessment	N/A	N/A	11.05
Surcharges	0.00	0.00	0.00
Billing Fee	2.45	2.45	2.45
Early Prepayment Gross Up (4%)	8.97	8.97	9.44
Gross Assessment Average for Areas 1-5 [2]	\$224.37	\$224.37	\$235.88
Assessment Paid in February = 1% Discount	\$222.13	\$222.13	\$233.07
Assessment Paid in January = 2% Discount	219.88	219.88	230.71
Assessment Paid in December = 3% Discount	217.64	217.64	228.36
Assessment Paid in November = 4% Discount	215.40	215.40	226.00
Tipping Fees per Ton by Waste Type:			
MSW	\$50.20	\$50.20	\$50.20
Horticulture / Yard Waste	25.46	25.46	31.00
C&D	32.95	32.95	48.40
Class III	32.95	32.95	48.40
Tires	80.00-120.00	80.00-120.00	120.00
Recycling	N/A	N/A	38.12
Disposal Facility Assessment per Ton [4]	\$17.25	\$17.25	\$17.25

[1] Amounts shown reflect the average fee charged for the primary franchise collection areas 1-5.

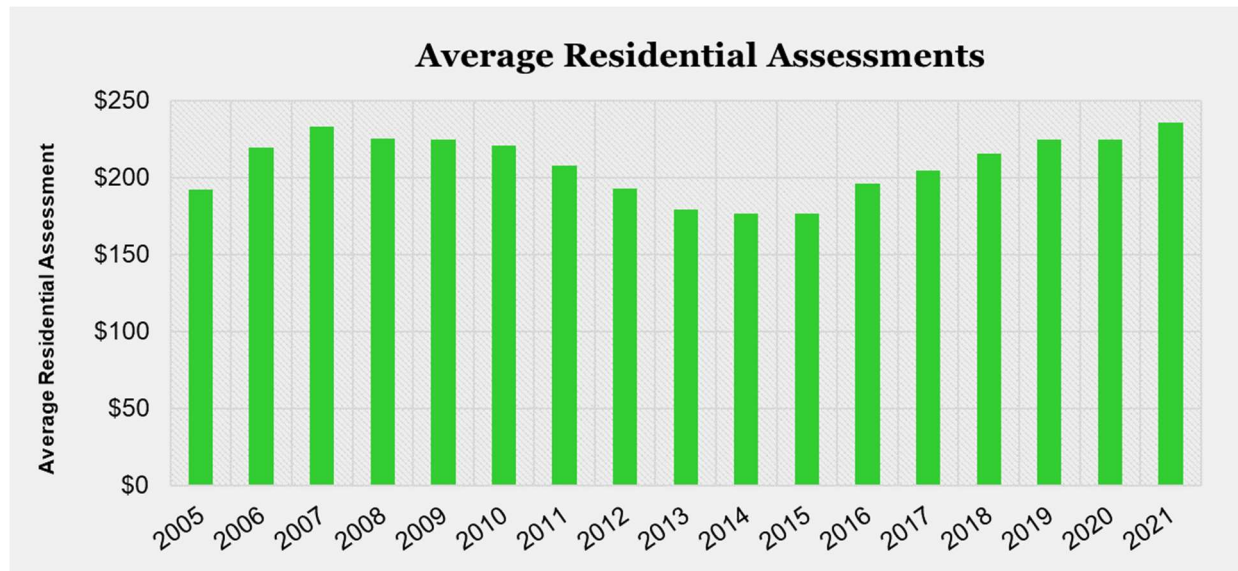
[2] Reflects gross assessments before early prepayment discounts as allowed by Florida Statutes, Chapter 197.

[3] Amounts shown are not charged to municipal customers, with exception to the City of Bonita Springs, the Town of Fort Myers Beach, and the Village of Estero for which the County provides collection services.

[4] Presented for informational purposes only since the disposal facility assessment charge is charged to all MSW customers by assessment, with exception to Hendry County customers.

As can be seen above, the residential collection and disposal assessment for unincorporated residents of the County include an early payment discount that is extended to customers as part of the ad valorem billing process; pursuant to Florida Statutes, customers may elect to receive a discount of up to 4% if they pay all of the charges and taxes included on the ad valorem tax bill prior to the due date of the bill. The majority of customers elect to pay early and receive the full 4% discount; mortgage payments for residential homes typically include an allowance for escrow for the early prepayment of the estimated tax bill, which contributes to the high rate of early prepayments. The County began adjusting for the early prepayment in Fiscal Year 2016. The following chart, as prepared by Department staff, provides additional history of the average residential assessment:

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As can be seen from the figure above, the residential assessment was increased annually from the Fiscal Year 2005 through 2007, which coincides with the expansion of the WTE and issuance of the refunded Series 2006 Bonds. Subsequent to 2011, the County annually reduced the solid waste assessments. In support of these reductions, the County applied approximately \$34 million in cash reserves during Fiscal Year 2011 to defease portions of the then outstanding Solid Waste System Revenue Refunding, Series 2001 Bonds (the "Series 2001 Bonds" which are no longer outstanding). The reduction in debt service was a factor in the reduction of the residential assessment and tipping fees as shown on the following table:

Historic MSW Tipping Fees for the Solid Waste System

Fiscal Year	Unincorporated Area [*]	Incorporated Area
2005	\$54.82	\$48.15
2006	\$57.51	\$49.59
2007	\$58.40	\$51.20
2008	\$59.77	\$53.25
2009	\$59.93	\$54.00
2010	\$61.48	\$54.00
2011	\$61.44	\$55.00
2012	\$47.62	\$40.00
2013	\$37.74	\$32.00
2014	\$34.93	\$30.00
2015	\$34.33	\$30.00
2016	\$32.30	\$31.75
2017	\$37.45	\$37.45
2018	\$45.45	\$45.45
2019	\$50.20	\$50.20
2020	\$50.20	\$50.20
2021	\$50.20	\$50.20

Source: Lee County Solid Waste Department

[*] Amounts shown includes surcharges. However, the County has not charged surcharges since Fiscal Year 2016.

As can be seen above, the MSW tipping fees were reduced subsequent to the defeasance of the Series 2001 Bonds during the Fiscal Year 2012. It is notable that for the unincorporated areas the fees are currently below levels charged prior to the Fiscal Year 2012 and also below levels in effect when the County had entered into the current interlocal agreements for service with municipalities as described in Section 3 of this report. In order to provide additional information relative to the fees charged for service, the following table provides a summary of comparable fees charged by other Florida solid waste systems for collection and disposal service to the existing and proposed fees for the County:

Solid Waste Fee Comparison with Other Florida Solid Waste Systems

Description	Residential Assessment [1]			MSW	Tipping Fees		
	Collection	Disposal	Total		C&D	Yard Waste	Tires
Lee County – Existing [2]	\$130.25 - \$174.38	\$84.20	\$214.45 - \$258.57	\$50.20	\$48.40	\$31.00	\$120.00
Lee County – FY2022 [2]	\$138.21 - \$185.00	\$95.99	\$234.20 - \$280.99	\$53.00	\$53.00	\$35.00	\$160.00
Other Systems with Waste-to-Energy Facilities:							
Broward County [3]	N/A	N/A	\$290.00	N/A	\$50.00	\$50.00	\$110.00
Hillsborough County [4]	\$186.43	\$102.89	\$289.32	\$73.22	\$62.38	\$37.06	\$130.00
Miami-Dade County [5]	N/A	N/A	\$484.00	\$63.57	\$63.57	\$63.57	\$114.18
Palm Beach County [4]	\$170.00 - \$334.00	\$173.00	\$343.00 - \$507.00	\$42.00	\$55.00	\$32.00	\$75.00
Pasco County [4]	\$206.72	\$72.00	\$278.72	\$72.08	\$72.08	\$72.08	\$200.00
Pinellas County [4]	N/A	N/A	\$192.00	\$42.15	\$42.15	\$42.15	\$110.00
City of Tampa	N/A	N/A	\$418.92	\$71.00	\$51.00	\$71.00	\$117.00
Systems without Waste-to-Energy Facilities:							
Charlotte County [2]	N/A	N/A	\$271.55	\$38.43	\$38.43	\$38.43	\$122.76
Collier County [4]	N/A	N/A	\$214.07 - \$221.85	\$74.93	\$83.84	\$49.92	\$204.76
Hernando County [4]	\$176.40	\$69.40	\$245.80	\$54.50	\$45.00	\$20.00	\$100.00
Manatee County [4]	N/A	N/A	\$171.96	\$40.00	\$61.00	\$40.00	\$86.00
Polk County [2]	\$144.50	\$52.00	\$196.50	\$36.50	\$36.50	\$22.00	\$300.00
Sarasota County [2]	N/A	N/A	\$271.55	\$38.43	\$38.43	\$38.43	\$122.76
Other System Average	\$217.41	\$93.86	\$314.26	\$55.50	\$55.00	\$44.58	\$140.64

[1] Amounts shown reflect the gross assessment before early prepayment discounts.

[2] Denotes residential collection service at one day per week for garbage, recycling, and yard waste collection.

[3] Broward County residential collection includes two days per week for garbage collection, one day per week for recycling collection and one day per month yard waste collection.

[4] Denotes residential collection service at two days per week for garbage collection and one day per week for recycling and yard waste collection. Note garbage collection service in Pinellas County is for one or two days per week depending on location.

[5] Miami-Dade County residential collection service includes two days per week for garbage and yard waste collection and one day every other week for recycling collection.

As can be seen above, the County's existing and recommended rates for the Fiscal Year 2021 and 2022, respectively, are comparable to and / or below the averages charged by the other solid waste systems surveyed.

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SECTION 5: HISTORICAL AND PROJECTED CUSTOMER / TONNAGE STATISTICS

The County provides waste disposal service to approximately 730,000 residents within unincorporated and incorporated areas of the County and processed incoming waste of approximately 1 million tons for the most recently completed Fiscal Year 2020, including waste deliveries from Hendry County residents. The table below provides an indication of the recent trends and projections of in the number of units served:

Historical and Projected Disposal Customer Statistics by Class / Area [1]

	Historical Fiscal Year Ended September 30,					Projected Fiscal Year Ending September 30,					
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Franchised Area Statistics – Area 1-5 [2]:											
Avg. Residential Units	160,395	162,452	164,682	167,369	170,558	173,817	177,018	180,218	183,416	186,613	189,548
Avg. Multi-family Units	86,457	87,481	88,573	89,500	89,985	90,305	90,844	91,377	91,904	92,425	92,898
Avg. RV Units	6,747	6,977	7,016	7,042	6,990	6,921	6,921	6,921	6,921	6,921	6,921
Commercial (000s Sq.Ft.)	98,368	101,503	104,799	105,901	108,007	110,102	111,604	113,101	114,590	116,073	117,429
Hendry County [3]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Municipalities / Not Franchised Primary											
Cape Coral [4]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fort Myers											
Avg. Residential Units	18,640	19,559	20,396	21,179	22,069	23,020	23,990	24,979	25,988	27,016	27,977
Avg. Multi-family Units	18,020	18,312	18,510	19,048	20,176	21,174	21,598	22,022	22,446	22,868	23,256
Avg. RV Units	110	104	104	104	104	104	104	104	104	104	104
Commercial (000s Sq.Ft.)	38,270	38,381	38,681	39,027	39,717	40,464	40,827	41,184	41,537	41,886	42,203
Sanibel											
Avg. Residential Units	4,054	4,080	4,101	4,112	4,125	4,140	4,155	4,170	4,184	4,198	4,210
Avg. Multi-family Units	3,762	3,762	3,762	3,765	3,768	3,768	3,768	3,768	3,768	3,768	3,768
Avg. RV Units	85	85	85	85	85	85	85	85	85	85	85
Commercial (000s Sq.Ft.)	1,731	1,729	1,740	1,751	1,769	1,784	1,784	1,784	1,784	1,784	1,784

[1] Amounts shown derived from Tables 1-4 at the end of this report.

[2] Amounts shown reflect statistics for franchise areas 1 through 5, which include statistics associated with the City of Bonita Springs, the Town of Fort Myers Beach, and the Village of Estero. Amounts shown exclude statistics for Boca Grande (Area 6) and the Outer Islands (Area 7).

[3] Amounts shown not reported since the Hendry County customers are not assessed for service and pay based on actual tonnage deliveries. Per the 2018 U.S. Census estimates, Hendry County has a population of 41,556 with approximately 14,850 housing units.

[4] Amounts shown not reported since the City of Cape Coral elects billing for the Disposal Facility Assessment by MSTU. Per the 2018 U.S. Census estimates, the City has a population of 189,343 with approximately 80,900 housing units (note Census estimated occupied households of 56,900 for the same period).

As shown above the majority or approximately 58% of residential units served during the Fiscal Year 2020 are located within the franchised service areas of the County at approximately 170,500 residential single-family disposal units, including approximately 43,289 franchised residential units within the municipalities of Bonita Springs, Fort Myers Beach and the Village of Estero. By contrast, other customers within Hendry County and the Cities of Cape Coral, Fort Myers, and Sanibel are estimated to represent approximately 121,900 residential housing units. The forecast assumes growth in franchised residential units of approximately 1.8% annually. The following table provides a projection of the primary waste streams by customer classification and location.

Historical and Projected Disposal Customer Statistics [1]

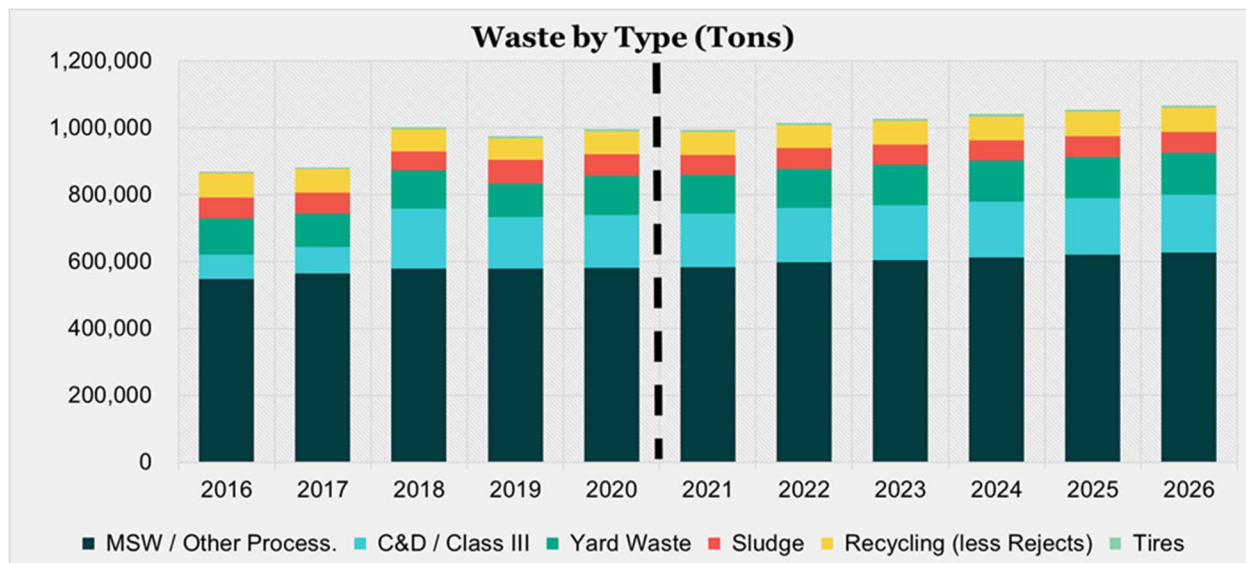
	Historical Fiscal Year Ended September 30,					Projected Fiscal Year Ending September 30,					
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Franchised Area Statistics – Area 1-5 [2]											
Delivered MSW Tons	365,753	374,143	375,335	366,504	369,137	373,906	384,738	389,664	394,607	399,567	404,274
Yard Waste	65,356	60,801	74,271	63,123	74,201	72,342	74,867	76,075	77,290	78,512	79,685
C&D / Class III	67,896	72,802	171,997	147,023	150,597	153,006	155,454	157,941	160,468	163,036	165,644
Recycling	59,469	56,478	56,768	55,971	56,920	55,631	56,611	57,588	58,565	59,542	60,444
Hendry County											
Delivered MSW Tons	31,942	33,531	36,366	36,678	37,744	38,348	38,962	39,585	40,218	40,861	41,515
Yard Waste	4,523	4,750	4,942	3,919	4,139	4,205	4,272	4,340	4,409	4,480	4,552
C&D / Class III	4,899	5,856	7,068	5,842	9,381	6,567	6,672	6,779	6,887	6,997	7,109
Municipalities / Not Franchised Primary											
MSW and Yard Waste Generation											
Cape Coral	103,758	105,964	107,012	109,770	111,370	111,018	112,282	113,560	114,854	116,163	117,488
Fort Myers	67,039	68,388	74,858	72,587	73,293	73,349	74,119	74,898	75,685	76,480	77,285
Sanibel	8,750	8,990	8,735	8,358	7,860	8,458	8,560	8,662	8,766	8,872	8,978
Total	179,547	183,341	190,605	190,714	192,523	192,825	194,960	197,120	199,305	201,515	203,751
Recycling Generation											
Cape Coral	18,555	19,332	19,707	19,372	21,214	19,682	19,997	20,317	20,642	20,972	21,308
Fort Myers	6,078	6,149	6,386	6,688	6,893	6,795	6,904	7,014	7,127	7,241	7,357
Sanibel	1,508	1,362	1,265	1,363	1,352	1,385	1,407	1,429	1,452	1,475	1,499
Total	26,142	26,843	27,358	27,423	29,459	27,862	28,308	28,761	29,221	29,689	30,164

[1] Amounts shown derived from Tables 1-4 at the end of this report and totals may vary due to rounding.

[2] Amounts shown reflect statistics for franchise areas 1 through 5, which include statistics associated with the City of Bonita Springs and the Town of Fort Myers Beach. Amounts shown exclude statistics for Boca Grande (Area 6) and the Outer Islands (Area 7).

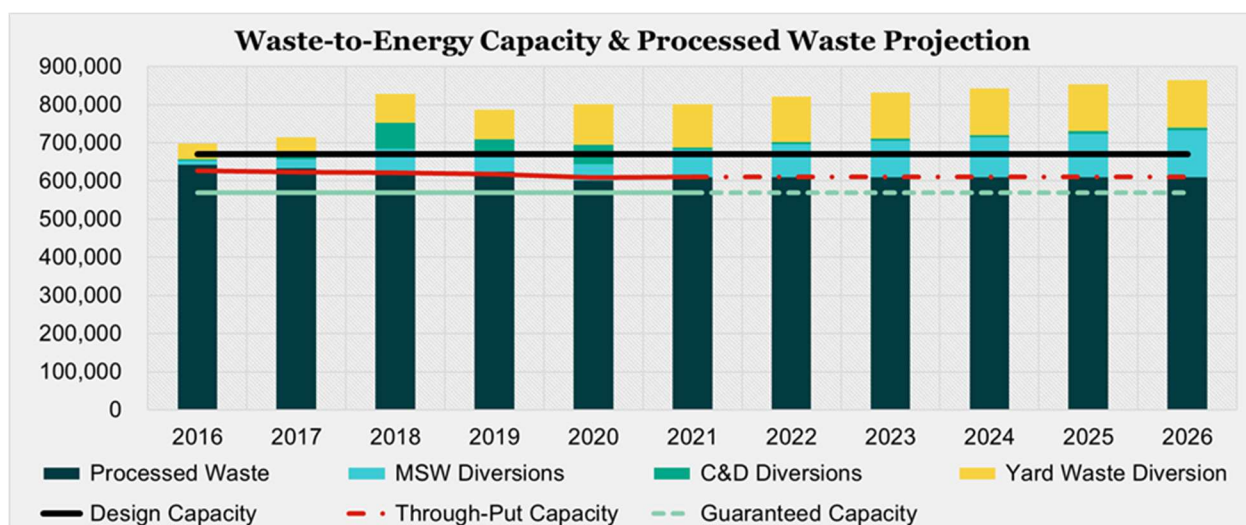
For the Fiscal Year 2020, the relationship of MSW and yard waste generation among the franchised (443,338 tons / 65%) and non-franchised (234,405 tons / 35%) customers is generally consistent with relationship of residential units as previously discussed. The forecast assumes an annual average growth rate of approximately 1.3% for MSW and yard waste generation. The following chart provides a historical summary and projected forecast of inbound waste to the County:

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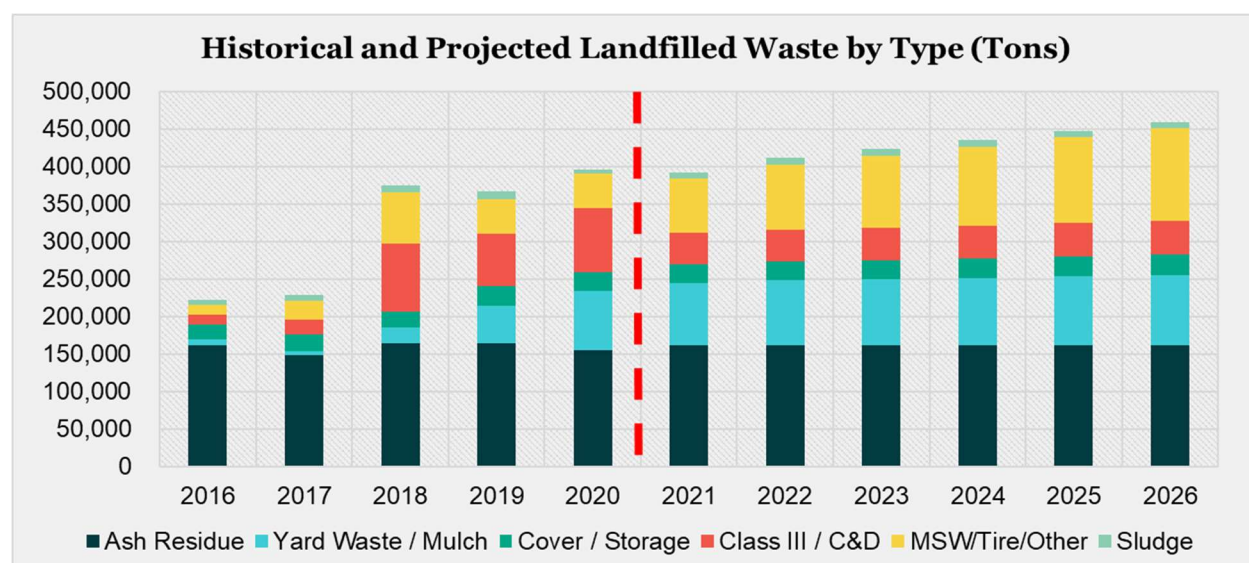
As can be seen in the prior chart waste deliveries have grown by approximately 36,000 tons per year from Fiscal Years 2016 through 2020 with overall increase of 127,000 tons or 15%. The growth in waste deliveries, excluding waste from Hurricane Irma, is attributed to the improved economy and increased population growth. The Study anticipates continued growth of approximately 11,700 tons for the Fiscal Years 2021 through 2026. It is also assumed that any commercial tonnage reductions due to the effects COVID-19 will stabilize and return to pre-pandemic levels in Fiscal Year 2022.

As previously discussed, the County maintains and operates several facilities, including a mass burn waste-to-energy facility, materials recovery facility, construction and demolition debris recycling facility, yard and tire processing facilities, composting, regional landfill, and household hazardous waste facility. A critical issue is the capacity utilization of the County's existing WTE facility. The chart below indicates the historical and projected utilization of the WTE facility:



The WTE facility is currently the primary method of waste disposal for the County and processes over 610,000 tons annually or over 70% of all in-bound processed waste. The existing WTE facility currently exceeds the estimated through-put capacity of the facility. Due to the growth in waste deliveries and a

reduction in waste sent to the WTE to promote longevity and sustainability of the facility, waste diversions to the County's landfill are expected to grow. The following table provides a summary of estimated landfilled waste over the recent historical and projected period:



Due to the continued growth in MSW deliveries to the WTE facility, increasing diversions of waste is expected to continue for the Forecast Period. Beyond the Forecast Period it is expected that increasing amounts of MSW deliveries may result in an increase to MSW and yard waste being landfilled. As previously discussed, the County is limited by agreement with adjacent landowners as to the disposal of MSW to the Lee / Hendry Landfill. To provide a long-term solution for the future growth in waste deliveries, the Department has completed a master plan to evaluate new facilities or options of waste disposal. For additional detail concerning the historical and projected customer statistics and assumptions, please reference Tables 1 through 5 at the end of this report.

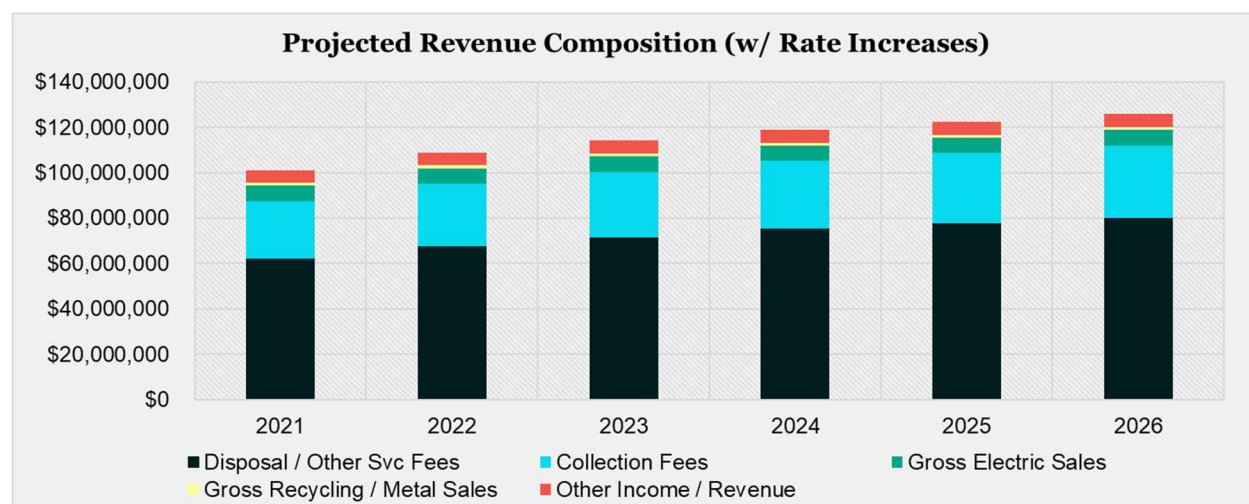
SECTION 6: REVENUE COMPOSITION AND FORECAST

The Department is expected to generate or collect approximately \$101.1 million in revenue for the Fiscal Year 2021. This amount includes approximately \$1.9 million in remittances to municipalities for franchise fees and shared recycling revenues (if any) and to the WTE facility contractor associated with shared electric revenues and ferrous and non-ferrous metal revenues. Such reimbursements are budgeted as a cost of operation in order to present the gross revenues and track the benefits through shared revenues received by the municipalities and contracted operators. For the Fiscal Year 2021, the revenues can generally be categorized as follows:

- 86% is generated from the collection, disposal and other service fees (e.g., compost sales).
- 7% is generated from gross electric sales.
- 7% is generated from other revenues primarily comprised of franchise fees, recycling and recovered material revenues, other miscellaneous fees, and investment income.

The revenue forecast for collection and disposal fee revenues were developed based upon the forecast of customer billing and tonnage statistics as previously discussed in Section 5 of this report and applied to the existing and projected rates for service. Electric sales revenues were based on the forecast of electrical production as presented in Table 5 at the end of this report. Other revenues, such as recycling revenue,

were primarily escalated from historical or budgeted levels based on recent trends and discussions with Department staff. Due to recent market conditions revenues from sale of recyclable materials were not anticipated in the Fiscal Year 2021 and for the remainder of the Forecast Period. The following chart provides the forecasted revenue composition assuming implementation of the identified rate adjustments:



The projected growth in disposal and collection fees are due to increase in customers served, tonnages delivered, and application of the identified rate increases as previously discussed. Electric and other revenues are assumed to remain generally constant for the remainder of the Forecast Period.

SECTION 7: REVENUE REQUIREMENTS COMPOSITION AND FORECAST

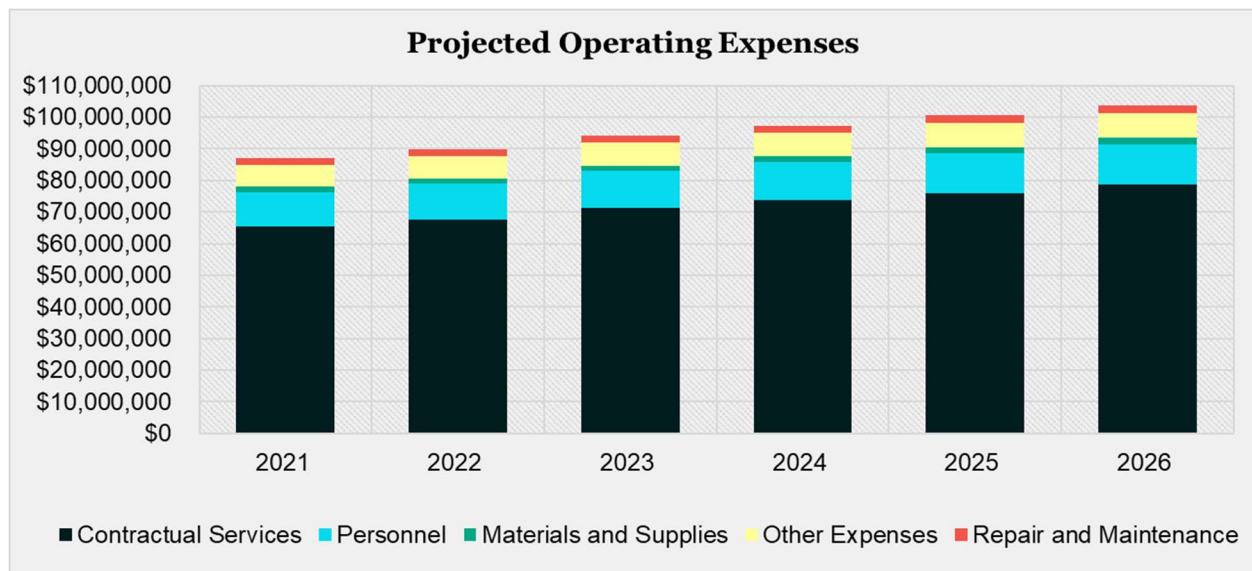
The revenue requirements of the System are comprised of expenditures and required transfers:

- Expenditures: includes annual operating expenses, major maintenance, capital expenditures, and debt service payments.
- Required Transfers: includes transfers for landfill closure, transfers to operating cash reserves for maintaining minimum reserve balances and transfers to capital reserves for funding future capital expenditures.

This section provides a detailed discussion of the revenue requirements and principal assumptions relied upon in development of the forecast for the System.

Operating Expenses

The operating expenses of the Department represent the primary recurring expenditure of the System. Unless otherwise noted operating expenses are exclusive of closure, post-closure, and periodic major maintenance (funded from the Renewal and Replacement Fund), which is consistent with the definition of operating expenses pursuant to the Bond Resolution. Approximately 75% of the operating expenses are related to contracted services for the franchised collection and operation of the System. The remaining operating expenses are primarily related to labor, materials and supplies, and repairs and maintenance. The chart below provides a summary of the total operating expenses for the Forecast Period:



The forecast assumes average annual increases in the cost of operation equal to approximately 3.6% annually, which is considered reasonable when considering long-term trends of inflation. The forecast of operating expenses was based on a five-year review of historical operating expenses, the adopted Fiscal Year 2021 operating budget, and year-to-date results, modeling of the Department's principal contracted expenses, and discussions and review of projections by Department staff.

Contracted Collection of Franchise Areas

As discussed in Section 3, the County administers six franchised collection areas. The cost of collection represents a significant component (i.e., approximately 30%) of total operating expenses. The County makes monthly payments to the haulers for each residential franchised collection area. The following presents the historical trends and projected collection expense assumptions by residential franchised collection areas:

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Historical and Projected Franchised Hauler Collection Expense

Description	Historical Fiscal Year Ended September 30,					Projected Fiscal Year Ending September 30,					
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
AREA 1 – Bonita & FMB											
Growth	540	466	557	613	558	523	545	544	543	543	453
Average Monthly											
Units	24,656	25,122	25,679	26,292	26,850	27,373	27,918	28,462	29,006	29,548	30,001
Rate Change (%)	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Collection Rate	\$135.96	\$135.96	\$135.96	\$135.96	\$135.96	\$141.36	\$144.19	\$147.07	\$150.01	\$153.01	\$156.07
Expense (\$1,000s)	\$3,352	\$3,416	\$3,491	\$3,575	\$3,651	\$3,869	\$4,025	\$4,186	\$4,351	\$4,521	\$4,682
AREA 2 – SFM – West, Iona-McGregor, Captiva											
Growth	160	375	293	257	255	198	199	197	194	191	158
Average Monthly											
Units	24,434	24,809	25,102	25,359	25,614	25,812	26,011	26,208	26,402	26,593	26,751
Rate Change (%)	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Collection Rate	\$125.04	\$125.04	\$125.04	\$125.04	\$125.04	\$130.08	\$132.68	\$135.33	\$138.04	\$140.80	\$143.62
Expense (\$1,000s)	\$3,055	\$3,102	\$3,139	\$3,171	\$3,203	\$3,358	\$3,451	\$3,547	\$3,644	\$3,744	\$3,842
AREA 3 – SFM – East, San Carlos Park											
Growth	690	547	609	838	951	885	919	918	916	915	764
Average Monthly											
Units	42,221	42,768	43,376	44,214	45,165	46,050	46,970	47,887	48,804	49,719	50,483
Rate Change (%)	0.6%	0.0%	0.0%	0.0%	0.0%	4.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Collection Rate	\$151.56	\$151.56	\$151.56	\$151.56	\$151.56	\$157.68	\$160.83	\$164.05	\$167.33	\$170.68	\$174.09
Expense (\$1,000s)	\$6,399	\$6,482	\$6,574	\$6,701	\$6,845	\$7,261	\$7,554	\$7,856	\$8,166	\$8,486	\$8,789
AREA 4 – East, Lehigh, Alva											
Growth	250	435	685	891	1,261	1,284	1,346	1,352	1,358	1,364	1,145
Average Monthly											
Units	47,050	47,484	48,169	49,060	50,320	51,604	52,950	54,302	55,660	57,024	58,169
Rate Change (%)	2.1%	0.0%	0.3%	3.3%	4.0%	0.7%	2.0%	2.0%	2.0%	2.0%	2.0%
Collection Rate	\$143.04	\$143.04	\$143.40	\$148.08	\$153.96	\$155.04	\$158.14	\$161.30	\$164.53	\$167.82	\$171.18
Expense (\$1,000s)	\$6,730	\$6,792	\$6,907	\$7,265	\$7,747	\$8,001	\$8,374	\$8,759	\$9,158	\$9,570	\$9,957
AREA 5 – Pine Island, NFM											
Growth	101	130	93	115	167	152	151	149	147	145	119
Average Monthly											
Units	22,076	22,206	22,298	22,414	22,581	22,732	22,884	23,033	23,179	23,324	23,444
Rate Change (%)	0.6%	0.0%	0.0%	0.0%	0.0%	4.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Collection Rate	\$167.40	\$167.40	\$167.40	\$167.40	\$167.40	\$174.12	\$177.60	\$181.15	\$184.77	\$188.47	\$192.24
Expense (\$1,000s)	\$3,696	\$3,717	\$3,733	\$3,752	\$3,780	\$3,958	\$4,064	\$4,172	\$4,283	\$4,396	\$4,507
AREA 6 – Boca Grande / Gasparilla											
Growth	(98)	12	4	7	0	0	0	0	0	0	0
Average Monthly											
Units	1,240	1,252	1,256	1,262	1,262	1,262	1,262	1,262	1,262	1,262	1,262
Rate Change (%)	0.0%	5.2%	0.0%	0.0%	25.4%	34.8%	2.0%	2.0%	2.0%	2.0%	2.0%
Collection Rate	\$136.32	\$143.40	\$143.40	\$143.40	\$179.88	\$242.48	\$247.33	\$252.28	\$257.33	\$262.48	\$267.73
Expense (\$1,000s)	\$169	\$180	\$180	\$181	\$227	\$306	\$312	\$318	\$325	\$331	\$338
ALL AREAS – Franchise Hauler Expense											
Growth	1,103	1,497	1,683	2,108	2,634	2,518	2,616	2,615	2,615	2,615	2,186
Average Monthly											
Units	161,677	163,641	165,880	168,602	171,793	174,834	177,995	181,154	184,313	187,471	190,110
Rate Change (%)	0.9%	0.0%	0.1%	1.0%	1.4%	3.4%	2.0%	2.0%	2.0%	2.0%	2.0%
Collection Rate	\$144.74	\$144.76	\$144.83	\$146.17	\$148.16	\$153.02	\$156.08	\$159.19	\$162.37	\$165.62	\$168.93
Expense (\$1,000s)	\$23,401	\$23,689	\$24,024	\$24,645	\$25,453	\$26,753	\$27,781	\$28,838	\$29,927	\$31,049	\$32,115

The cost of collection has marginally increased over the recent historical period, including increases associated with the recent contract renegotiations. Forecasts of such costs were based on assumptions provided by Department staff, which may vary from the actual realized cost of collection, as the contracts for collection services are rebid or renegotiated, which could result in different haulers providing service and different rates for service.

WTE Contracted Operations

As previously discussed, the County contracts operation for the WTE facility. The cost of operation is another significant component (i.e., approximately 30%) of total operating expenses. The cost of operation is based on forecasts of processable tonnage statistics, as previously discussed (reference Section 5), and the charges for service by Covanta. The following table provides a summary of the projection of gross and net contracted operating expenses:

Historical and Projected WTE Facility Contract Operations (\$1,000s)

	Historical Fiscal Year Ended September 30,					Projected Fiscal Year Ending September 30,					
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Tons Processed	642,223	610,459	620,677	620,028	599,559	610,000	610,000	610,000	610,000	610,000	610,000
% Change	4.4%	-4.9%	1.7%	-0.1%	-3.3%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Service Fee [*]:											
OM	\$19,883	\$20,169	\$20,722	\$21,418	\$21,915	\$22,252	\$22,790	\$23,418	\$24,061	\$24,714	\$25,393
ETF	1,793	995	1,266	1,265	719	1,085	1,111	1,142	1,173	1,205	1,238
PT	1,296	3,127	3,997	3,819	3,980	4,041	4,139	4,253	4,369	4,488	4,611
EC	1,313	867	881	877	545	658	658	658	658	658	658
RRR	(898)	(1,598)	(2,002)	(1,161)	(720)	(646)	(646)	(646)	(646)	(646)	(646)
LC	(35)	(41)	(52)	(58)	(62)	(62)	(63)	(65)	(66)	(67)	(68)
MD	(1)	(129)	(142)	(86)	(140)	0	0	0	0	0	0
MA	(23)	(23)	(25)	(27)	(29)	(31)	(34)	(37)	(40)	(43)	(47)
True up	13	(6)	1	(12)	68	0	0	0	0	0	0
Net Fee	\$23,341	\$23,363	\$24,645	\$26,034	\$26,276	\$27,296	\$27,954	\$28,723	\$29,509	\$30,309	\$31,139
% Change	5.3%	0.1%	5.5%	5.6%	0.9%	3.9%	2.4%	2.7%	2.7%	2.7%	2.7%

[*] Service Fee (SF) = Operation and Maintenance (OM) Charge + Excess Tonnage Fee (ETF) + Pass-Through (PT) + Energy Credit (EC) – Resources Recovery Revenue (RRR) – Landfill Credit (LC) +/- Monthly Damages (MD) +/- Monthly Adjustment (MA)

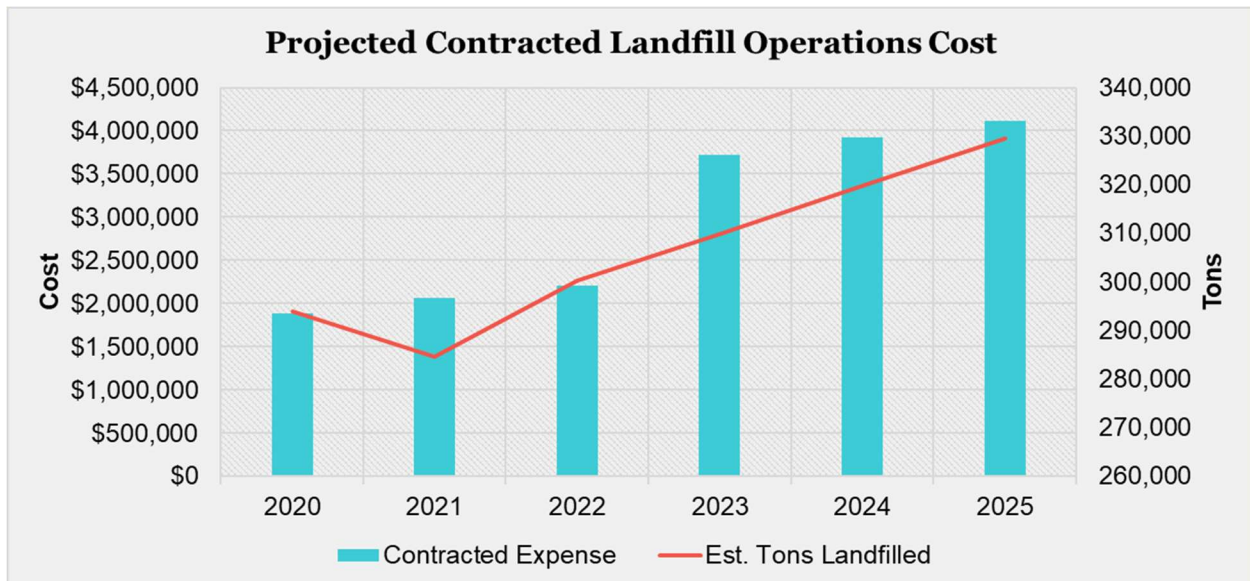
The recent historical growth in the cost of contracted operations for the WTE is primarily due to increases in the amount of waste processed and indexing of service fees. On average, the cost of contracted operations for the WTE is expected to average 2.9% a year during the Forecast Period.

Financial Effects of Landfill Diversions

The primary cost affected by increasing diversions of waste to the landfill is the contracted cost of operation. This cost has averaged approximately \$1.4 million annually for the last five years. Similar to today and prior to the expansion of the WTE in 2007, the County had waste deliveries in excess of the capacity at the WTE. During that period, the County had been required to divert increasing amounts of waste for disposal to the Lee / Hendry Landfill. For reference, the Department reported approximately 294,000 tons landfilled in 2020, which is higher than in the previous five years. As a result, the cost of contracted operations was previously greater as evidenced below:



Amounts shown above are provided based on reports from Department staff and the County's contracted landfill operator. Such amounts may vary with reported inbound tonnage reports to the landfill associated with: i) tonnages processed for disposal by the County through the composting operations; ii) timing of receipt and ultimate disposal of waste in the landfill; and iii) other variances. The cost of contracted operation for the landfill has generally declined with the level of waste deliveries over time. The current agreement for operation of the landfill is based on "actual cost, plus mark-up." Labor and other operating costs for the landfill can be scaled to the level of waste deliveries. However, it is assumed that the County will take over landfill operations once the current contract expires in Fiscal Year 2023. The following chart presents the forecast of contracted landfill operating expenses:



In addition to the growth in the cost of landfill operations, increasing waste diversions also has the effect of increasing costs related to preparation for and transportation of waste. Based on discussions with

Department staff such transfer costs are assumed within the Fiscal Year 2021 operating expense budget and were escalated for increases in diversions from the Buckingham Campus to the landfill.

As previously discussed, the Buckingham Campus has a transfer station collocated with the WTE. The primary purpose of the facility is for diverting MSW. Recognizing that the County currently diverts minimal quantities of MSW the facility is not in use. This forecast assumes that due to anticipated growth in waste deliveries the County would prioritize and divert increasing amounts of yard waste (may conditionally require use of the transfer station for diversion) to the landfill. This is expected to provide additional capacity at the WTE for disposal of increasing amounts of MSW. However, there are limitations on the amount of additional capacity that can be provided from diverting yard waste and or other processable materials (i.e., C&D) away from the WTE to the landfill. For example, seasonality of waste deliveries also has a material effect on diversion of MSW to the landfill.

Other Expense Forecast Assumptions

The remaining operating expenses after the payment of contracted operations comprise approximately 25% of the total operating expenses are primarily related to the payment of Department employee labor costs and materials and supplies for operation of the facilities. In particular, the Department must fund operating expenses related to operation of the scales, transfer stations, C&D recycling facility, composting operations, fleet / vehicle maintenance, administration and management, etc. The forecast of these costs were developed based on a five-year review of the historical expenses, application of assumed escalation factors (for more information please reference Tables 8 and 9) based on the nature of the expense (e.g., certain variable costs may be escalated based inflation, growth in tonnage, etc.) and a detailed review with Department staff.

Capital Expenditures and Major Maintenance

The forecast of capital and major maintenance was provided by Department staff and generally represents the periodic renewals, replacement and improvements of System infrastructure and facilities. As previously discussed, major maintenance is not a capitalized expenditure for purposes of financial reporting (i.e., operating expenses); however, the County views such periodic expenditures as capital-related and funds such expenditures from the Renewal and Replacement Fund (i.e., excluded from Operating Expenses pursuant to the Bond Resolution). For example, the County has identified the need to repave the main road leading to the Lee/Hendry Landfill and has funded this expenditure through the Renewal and Replacement Fund as a major maintenance (and non-recurring) expenditure. The following table provides a listing of the capital projects identified.

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Listing of Identified Capital and Major Maintenance Expenditures

Capital Project Description	Start Year	Project Cost [1]
Materials Recovery Facility	2022	\$31,900,000
Landfill Expansion: Class III/PHIII (Garbage)	2021	15,288,940
LCCF Capacity Improvements	2022	3,600,000
Landfill Expansion: Class III/PHIII (C&D)	2024	3,800,000
Hendry County Transfer Station Improvements	2021	2,594,312
Ash Monofill Leachate System Modification	2021	1,058,079
C&D Facility Improvements	2021	966,365
Parts and Equipment Storage Area	2021	837,000
Landfill Gas Collection System	2021	800,000
Compost Facility and Well Improvements	2021	751,395
Umbrella – Equipment Related to MRF Agreement	2021	681,000
Buckingham Scale Improvements	2021	658,921
Materials Processing Improvements	2021	649,000
Buckingham Resource Area	2024	570,000
Umbrella – Scales	2022	521,000
Landfill Connectivity	2022	476,000
Umbrella – Generators	2021	376,000
Umbrella – Mechanical Systems	2021	372,753
Umbrella – Buckingham Upgrades	2021	245,450
Capital Project Subtotal		\$66,946,215
Major Maintenance [2]	2021-2026	\$12,351,628
Operating Budget Capital Outlay [3]	2021-2026	15,087,884
Total		\$94,385,727

[1] Amounts shown derived from Table 10.

[2] Amounts shown reflect periodic major maintenance expenses that are not capitalized, however are funded from the Renewal and Replacement Fund (i.e., excluded from Operating Expenses as defined in the Bond Resolution) and more similar to a capital expenditure (e.g., road repaving).

[3] Represents annually recurring purchases of minor capital, equipment, and other capitalized expenses included in the annual operating budget.

As can be seen above, the County has identified approximately \$94.4 million in total funding. The largest projects in the plan are projects related to facility expansion (i.e., materials recovery facility and class I landfill expansion) which account for approximately \$47.2 million or 50% of the total capital improvement funding requirements for the Forecast Period. The following table provides a summary of the funding plan for the Forecast Period:

Capital Funding – Fiscal Years 2021-2026 [*]

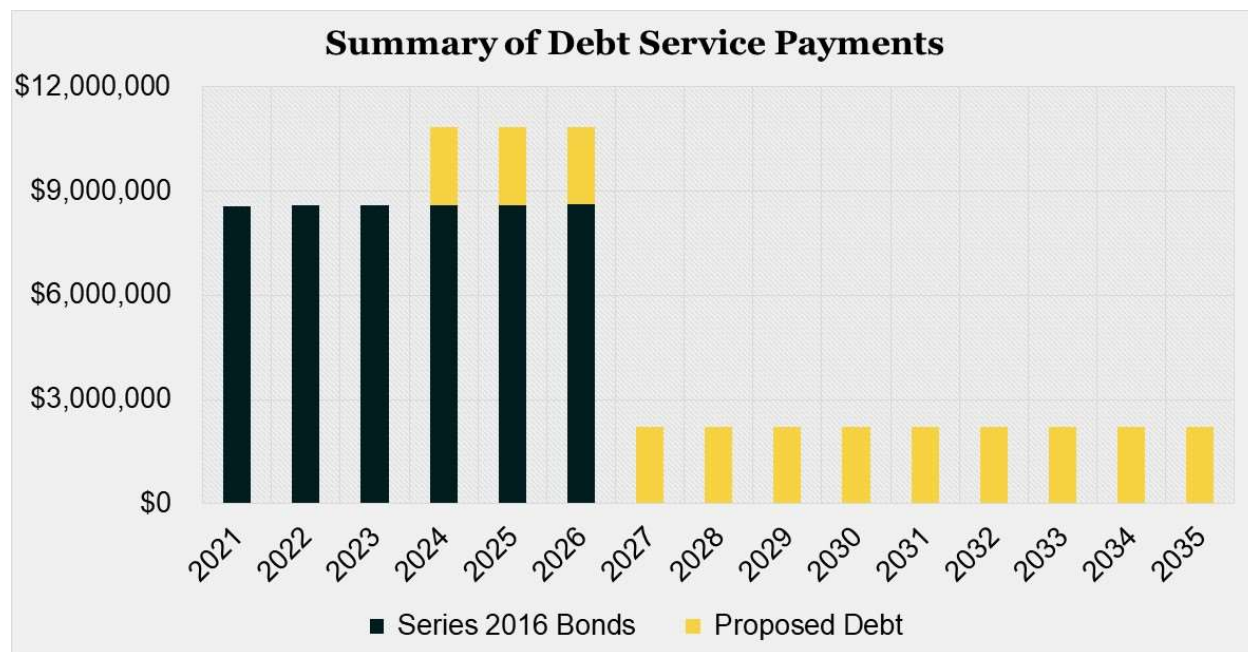
Rate Revenue	\$15,087,884	16.0%
System Reserve Fund	38,946,215	41.2%
Renewal and Replacement Fund	12,351,628	13.1%
Proposed Debt	28,000,000	29.7%
Total Funding	\$94,385,727	100.0%

[*] Amounts shown derived from Table 10.

Table 10 at the end of this report provides additional detail concerning the projected capital and major maintenance needs and funding sources for the Forecast Period. As previously discussed, the County has completed a master plan to address the issue of the disposal facility capacity of the System. This financial forecast does not recognize any additional capital needs that may be identified as part of the master plan, with the exception of the previously mentioned MRF and landfill expansion, which could result in the need to raise rates beyond what is currently identified in this Study.

Debt Service

As of October 1, 2020, the System had debt outstanding of approximately \$43.6 million, which is exclusive of amortized premiums and discounts. The outstanding debt is associated with the Series 2016 Bonds; no other services or subordinated debt is outstanding for the System. The associated debt service for the Series 2016 Bonds represents level payments of approximately \$8.5 million annually with final repayment in Fiscal Year 2027 and accrued in Fiscal Year 2026. The forecast assumes the issuance of additional debt during the Forecast Period for construction of the previously discussed MRF. Approximately \$28.0 million in project costs are assumed to be funded over 20 years with average annual debt service payments of \$2.2 million. The chart below provides a summary of the existing and projected annual debt service payments:



It should be noted that the subsequent reduction in debt service payments after Fiscal Year 2026 may provide for additional bonding capacity for additional capital improvements identified as an outcome to the master planning activities.

Closure and Post-closure Transfers

Pursuant to the Florida Administrative Code (the "Code") 62-701.630, landfill operators within the State are required to demonstrate financial assurance for the final closure and subsequent on-going post-closure costs. The Code identifies several methods for demonstrating financial assurance, but the most common is to set aside funds as landfill capacity is used in a restricted fund. This is the method employed by the County in demonstrating financial assurance. The Florida Department of Environmental Protection requires the County to annually submit proof of compliance with the financial assurance requirements of the Code.

The projected costs of closure and post-closure or long-term care are estimated at the time of permit renewal, typically every five years. The costs are determined based upon surveys of costs associated with closure and long-term care at the time of the permit renewal, which are reviewed by engineers and FDEP staff. While the closure cost is a one-time event, long-term care or post-closure expenses represent the cumulative cost of annual operating expenses such as grounds maintenance, security, site monitoring, or other operating costs for a 30-year period after closure. Once the closure and long-term care costs have been estimated during permitting, such costs are then escalated annually to account for inflation based on approved inflation factors by the FDEP. Closure and post-closure cost estimates are then not formally

re-evaluated until the subsequent permit renewal or there are changes to the closure and long-term care plan. Additionally, closure liability is only calculated for active landfill cells that have received or are currently receiving waste.

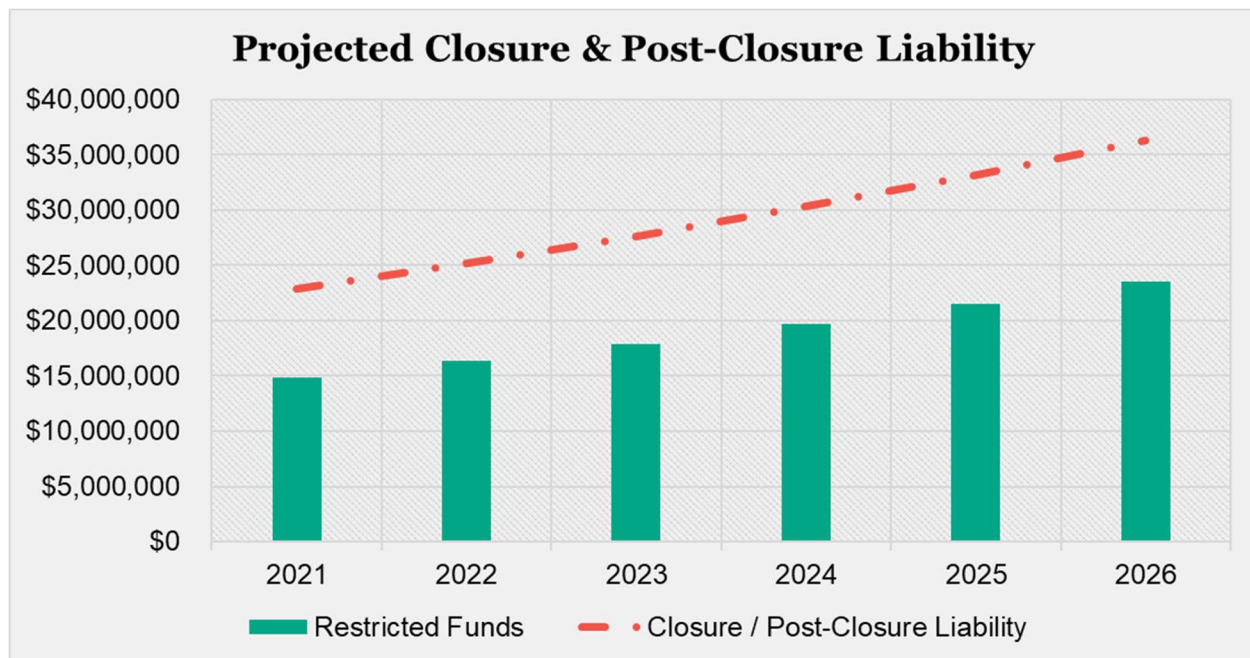
In order to estimate the capacity utilization of the landfill to determine the allocable closure liability / costs that are required for determination of financial assurance compliance, the County annually contracts for a fly-over to define the elevation of the landfill surface and calculate the volume of permitted landfill volume used during the previous year. This data provides accurate information to allow the Department to identify the remaining air space or volume of permitted capacity remaining in the constructed cells. The following table provides a comparison of the estimated liability based on the landfill's capacity utilization and the corresponding cash reserves reported to be held by the Department within the Closure Fund:

Estimated Closure and Post-Closure Liability as of September 30, 2020

Active Landfill Sites	Closure	Post-Closure [*]	Total	Restricted Funds
Ash Monofill	\$3,886,460	\$2,651,203	\$6,537,663	N/A
Class I Landfill	6,829,428	2,912,338	9,741,766	N/A
Class III Landfill	2,476,902	1,895,445	4,372,347	N/A
Total	\$13,192,790	\$7,458,986	\$20,651,776	\$12,315,824

[*] Amounts shown reflect the cumulative post-closure liability allocable to the County based on the pro-rata share of the capacity utilized calculated assuming a 30-year maintenance expense liability for the ash monofill, and class III landfill.

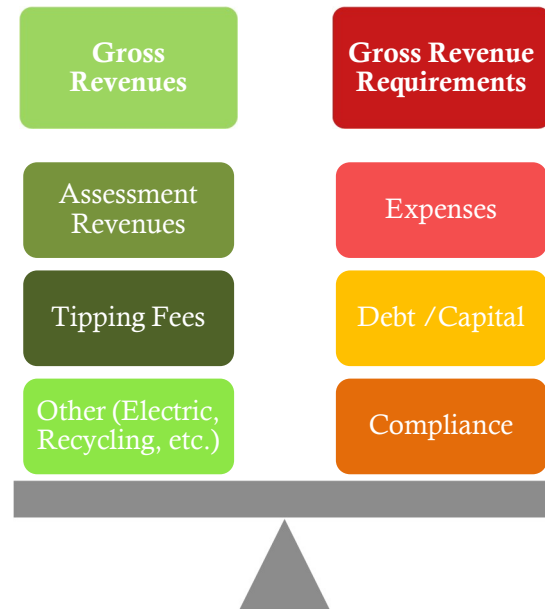
As can be seen from the prior table, the County has restricted approximately \$12.3 million representing approximately 60% of the allocable long-term liability. The forecast assumes maintaining 100% of the closure liability and one year of the post-closure liability for the Forecast Period. If financial conditions improve, it is recommended the County consider fully funding the combined closure and post-closure liability in order to match the cost of closure with the disposal of waste. The chart below presents a forecast of the cumulative liability and restricted funds for closure:



It is projected that the County will require transfers to the Closure Fund beginning in Fiscal Year 2021 to maintain the minimum balance mentioned above. The forecast assumes transfers to the closure funds averaging approximately \$1.6 million annually for the Forecast Period. It should be noted that closure fund liability is expected to grow at a faster rate than in recent years due to increased diversions to the landfill.

SECTION 8: REVENUE SUFFICIENCY AND FINANCIAL COMPLIANCE

The foundation of the study and the primary objective of the solid waste rates are to reasonably recover the cost of providing service, cost of infrastructure investment and compliance with covenants of the outstanding bonds and internal fiscal targets (referred to as the "Revenue Sufficiency" evaluation).



Based on the assumptions and findings of this analysis the following table provides a summary of the identified revenue adjustments for the Forecast Period recognizing financial projections under current operations.

Identified Rate Revenue Adjustments by Fiscal Year ^[1]

Description	Recommended 2022 ^[2]	2023	2024	Identified 2025	2026
Disposal Assessment / Tip Fee Rev.					
Percent Adjustment	5.00%	5.00%	4.00%	2.00%	2.00%
Incremental Revenue Addition	\$3.08m	\$3.27m	\$2.78m	\$1.47m	\$1.51m
Cumulative Revenue Addition	\$3.08m	\$6.39m	\$9.25m	\$10.83m	\$12.47m
Collection Assessment Revenues					
Percent Adjustment ^[3]	6.48%	1.98%	1.98%	1.98%	1.84%
Incremental Revenue Addition	\$1.69m	\$0.56m	\$0.58m	\$0.60m	\$0.58m
Cumulative Revenue Addition	\$1.69m	\$2.28m	\$2.90m	\$3.55m	\$4.19m

[1] Reflects identified increases to revenues from the collection / disposal assessment and tipping fees for service. It should be noted that amounts shown reflect the increase to rate revenues from increases to fees only and do not reflect any increases or decreases from changes in assumed waste generation.

[2] Reflects recommended rate revenue increases to the respective systems identified.

[3] Reflects projected increases to recover estimated cost of contracted collection services and may vary based on actual realized increases in such costs.

The revenue increases are necessary to ensuring adequate cash reserves and appropriate cash flows produce a sustainable long-term financial plan that can mitigate the financial and operating risk from unanticipated or sudden events to financial operations (e.g., reduced electric sales, reduced growth or tonnages unanticipated or extraordinary outages, unfunded mandates, etc.).

Collection Revenue Requirements

In order to develop rates for solid waste disposal and collection services, the revenue requirements were allocated among the disposal and collection operations. The collection fee as a component of the residential solid waste assessment only recovers the direct contracted cost of collection. The following table presents the allocated collection system revenue requirements:

Collection Net Revenue Requirements and Revenue Sufficiency (\$1,000s) [1]						
Description	2021	2022	2023	2024	2025	2026
Operation and Maintenance Expenses	\$26,753	\$27,781	\$28,838	\$29,927	\$31,049	\$32,115
Annual Debt Service	0	0	0	0	0	0
Transfers and Capital	0	0	0	0	0	0
Gross Revenue Requirements	\$26,753	\$27,781	\$28,838	\$29,927	\$31,049	\$32,115
Less Income / Funds from Other Sources:						
Investment Income	\$0	\$0	\$0	\$0	\$0	\$0
Contracted Fines [2]	25	25	25	25	25	25
Total	\$25	\$25	\$25	\$25	\$25	\$25
Net Collection Funding Requirements	\$26,728	\$27,756	\$28,813	\$29,902	\$31,024	\$32,090
Existing Collection Assessment Revenue	\$25,597	\$26,066	\$26,535	\$27,004	\$27,473	\$27,903
Rate Revenue Adjustments [3]	N/A	6.48%	1.98%	1.98%	1.98%	1.84%
Adjusted Collection Revenue	\$25,597	\$27,756	\$28,813	\$29,902	\$31,024	\$32,090
Net Transfers To / (From) Reserves [4]	(\$1,131)	\$0	\$0	\$0	\$0	\$0
[1] Amounts shown derived from Table 14 at the end of this report. Totals may vary due to rounding. [2] Reflects minor revenues from fines related to the monitoring of contracted collection. [3] Reflects the current period percent increase in collection revenues. [4] Reflects assumed transfers to / (from) reserves.						

Based on the allocation of costs a primary driver for the increase in the identified residential collection assessment is related to increases in the cost of contracted collections.

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Disposal Revenue Requirements

The balance of all other revenue requirements is, therefore, allocable to the disposal function of operation for the System. The following table presents the allocated disposal system revenue requirements:

Disposal Net Revenue Requirements and Revenue Sufficiency (\$1,000s) [1]						
Description	2021	2022	2023	2024	2025	2026
Operation and Maintenance Expenses [2]	\$60,204	\$62,007	\$65,370	\$67,398	\$69,521	\$71,579
Annual Debt Service:						
Series 2016 Bonds	\$8,564	\$8,575	\$8,589	\$8,596	\$8,595	\$8,605
Proposed Debt	0	0	0	2,221	2,221	2,221
Transfers and Capital [3]	\$5,536	\$10,756	\$11,495	\$10,932	\$11,296	\$11,754
Gross Revenue Requirements	\$74,304	\$81,338	\$85,455	\$89,148	\$91,633	\$94,159
Less Income / Funds from Other Sources:						
Investment Income	\$1,507	\$1,417	\$1,357	\$1,313	\$1,337	\$1,384
Net Electric Revenue	6,671	6,670	6,669	6,668	6,667	6,666
Franchise Fees – County	1,400	1,714	1,750	1,786	1,823	1,853
Franchise Fees – Municipalities [2]	560	686	700	715	729	741
WTE Ferrous / Non-ferrous – County	646	646	646	646	646	646
WTE Ferrous / Non-ferrous – Covanta [2]	646	646	646	646	646	646
Miscellaneous Revenue	1,835	1,864	1,893	1,924	1,955	1,988
Compost Sales	281	281	281	281	281	281
Other Revenues [4]	2,789	2,824	2,824	2,824	2,824	2,824
Total	\$16,336	\$16,748	\$16,767	\$16,804	\$16,909	\$17,030
Net Disposal Funding Requirements	\$57,968	\$64,590	\$68,687	\$72,344	\$74,724	\$77,129
Existing Assessment and Tip Fee Revenue	\$59,099	\$61,514	\$62,301	\$63,094	\$63,892	\$64,655
Current Period Rate Revenue Adjustments [5]	N/A	5.0%	5.0%	4.0%	2.0%	2.0%
Adjusted Disposal Revenue	\$59,099	\$64,590	\$68,687	\$72,344	\$74,724	\$77,129
Surplus / (Deficiency) [6]	\$1,131	\$0	\$0	\$0	\$0	\$0
[1] Amounts shown derived from Table 13 at the end of this report. Totals may vary due to rounding.						
[2] Amounts shown include the gross expenses of the system, including the cost of shared or remitted revenues such as, franchise fees collected on behalf of the County and shared electric revenues due to the County's contracted WTE facility operator.						
[3] Reflects transfers to the landfill closure fund, transfers to the recycling fund from recovered materials revenues and funding for certain capital equipment identified from the capital program.						
[4] Includes revenues from advance disposal fees related to the C&D ordinance, contracted disposal of sludge and other miscellaneous revenues.						
[5] Reflects the current period percent increase in disposal revenues.						
[6] Reflects assumed transfers to / (from) operating reserves.						

As can be seen above the existing disposal assessment and tipping fee revenues are not projected to be sufficient to fund the disposal-related revenue requirements of the System due to increases in the cost of operation, capital funding, and anticipated declining income and funds from other sources (e.g., recycling revenues) which serve to offset the funding requirements of the disposal assessment and fees. For more information on the recommended Fiscal Year 2022 rates for service, please reference Section 9 of this report, which provides detail concerning the application of the identified rate increases to proposed rates.

Bond Resolution and Rate Covenant Compliance

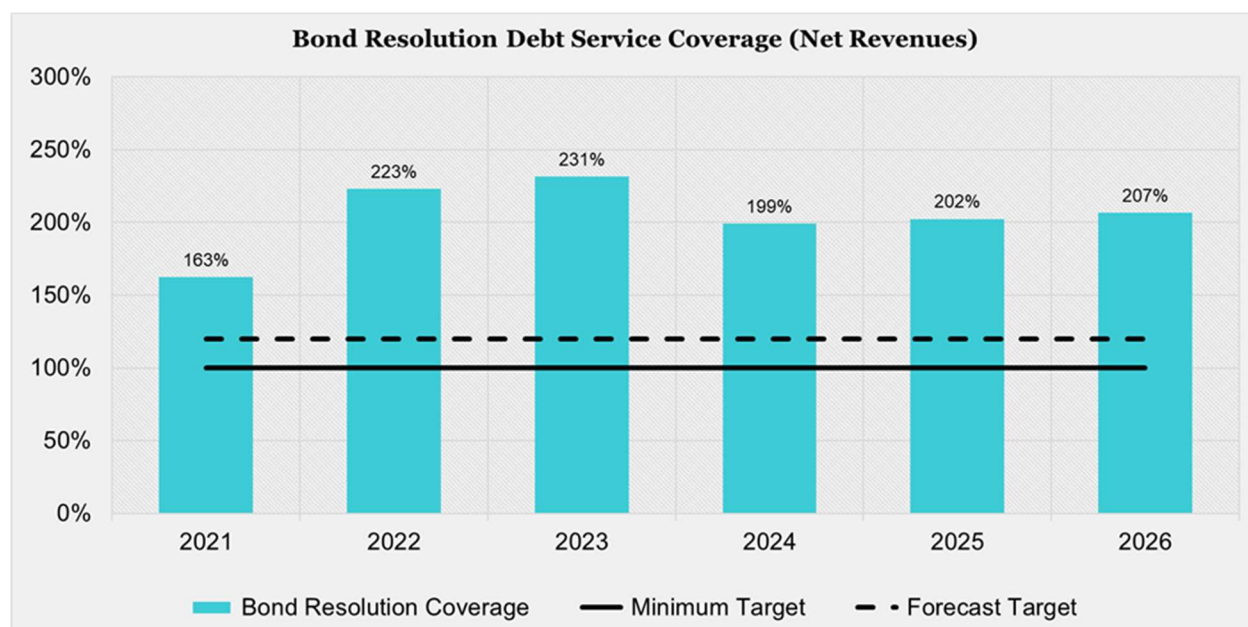
Upon issuance of the Series 2016 Bonds, the Bond Resolution took effect and superseded the prior Trust Indenture. The Bond Resolution recognized, among other things, certain changes to the definitions, creation of funds, and calculation of compliance with the Rate Covenant. The following provides a listing of the primary changes to the definitions and creation of funds, which affect the determination of projected operating results and compliance with the Rate Covenant. The following does not represent an authoritative or complete listing of changes from the prior Trust Indenture to the Bond Resolution.

1. The Bond Resolution provides for the creation of the Rate Stabilization Fund. The Rate Stabilization Fund represents a reserve available for the needs of the System to minimize the risk of default on the payment of Annual Debt Service for the Bonds. For compliance with the Rate Covenant, transfers from the Rate Stabilization Fund may be recognized as a component of Gross Revenues up to the Rate Stabilization Amount if transferred within 120 days of the respective close of the Fiscal Year, further defined as an amount not greater than 25% of prior year's ending cash balance within the Rate Stabilization Fund. Conversely, Funds transferred to the Rate Stabilization Fund have the effect of reducing Gross Revenues for determining compliance with the Rate Covenant.
2. The definition of Gross Revenues was revised to include:
 - a. Recovered Materials Revenues derived from the operation of the MRF.
 - b. Transfers from the Rate Stabilization Fund, up to the Rate Stabilization Amount, having the effect of increasing Gross Revenues.
 - c. Transfers to the Rate Stabilization Fund having the effect of decreasing Gross Revenues.
3. The definition of Operating Expenses was revised to exclude:
 - a. OPEB accruals and instead recognizes actual OPEB outlays.
 - b. Expenses funded from the Renewal and Replacement Fund (i.e., major maintenance or extraordinary expenditures).
4. The required transfer to the Renewal and Replacement Fund are governed by the flow of funds described in Section 4.05 of the Bond Resolution and the definition of the Renewal and Replacement Fund Requirement. The specific changes to the Bond Resolution are related to the required minimum annual deposit should the balance within the Renewal and Replacement Fund be less than the Renewal and Replacement Fund Requirement. The minimum annual transfer is established as either:
 - a. 5% of prior year's Gross Revenues; or
 - b. Such other amount as recommended by the Consulting Engineers.

The change is intended to support a minimum transfer to the Renewal and Replacement Fund that may be more appropriate, at times, than the default of 5% of prior year's gross revenues.
5. As previously discussed, the Debt Service Reserve Account Requirement, is defined as an amount equal to the lesser of:
 - a. Maximum Annual Debt Service for all Outstanding Bonds secured thereby;
 - b. 125% of the average Annual Debt Service for all Outstanding Bonds secured thereby;
 - c. the maximum amount of Bond proceeds which may be deposited to the Debt Service Reserve Account without subjecting the same to yield restriction under the Code provided; or
 - d. The County may establish by Supplemental Resolution a different Debt Service Reserve Account Requirement with respect to any particular Series of Bonds, which Debt Service Reserve Account Requirement may be \$0.00.

6. The Rate Covenant for the Bond Resolution is a two-part test as follows:
- a. Net Revenues, together with the Net Position, must equal at least 120% of the Annual Debt Service becoming due in such Fiscal Year; and
 - b. Net Revenues shall be adequate at all times to pay in each Fiscal Year at least (1) 100% of the Annual Debt Service becoming due in such Fiscal Year, and (2) 100% of any amounts required by the terms thereof to be deposited in the Renewal and Replacement Fund or the Debt Service Reserve Account or with any issuer of a Debt Service Reserve Account Letter of Credit or Debt Service Reserve Account Insurance Policy in such Fiscal Year to pay Policy Costs.

For informational purposes, projected compliance with the Rate Covenant was evaluated for the Forecast Period and presented as follows:



Prior to the Fiscal Year 2016, the Department had experienced recurring declines in the debt service coverage and resulted in a credit rating downgrade by Moody's Investor Service from A3 to Baa1^[6]. In response, the County adopted a series of rate adjustments over the last several years, which have significantly improved the Net Revenues of the System. As can be seen from the chart above, and assuming the implementation of the recommended and identified rate revenue increases, the System Net Revenues are projected to produce sufficient revenues to generate debt service coverage equal to or above the minimum target (i.e., coverage requirement in the Bond Resolution) for the entire Forecast Period. For additional information concerning the calculation of historical and projected compliance with the Rate Covenant, please reference Tables 16 and 17 found at the end of this report.

Recommended Financial Targets

Recognizing the credit downgrade as previously discussed and the desire for the long-term financial sustainability of the County's solid waste enterprise fund, it is recommended that the County consider

[6] Moody's provides the following rankings for investment grade credits from highest to lowest as follows: Aaa, Aa1, Aa2, Aa3, A1, A2, A3, Baa1, Baa2, Baa3.

minimum financial targets in order to promote the creditworthiness of the System. The following objectives were recognized in consideration of the financial targets:

- Maintain adequate reserves to provide hedges against unplanned events associated with: i) sudden changes in market demand for sale of recovered materials; ii) revenue reductions / increased costs associated with short- or long-term facility outages, including changes in the determination of the rates earned from the sale of electricity generated from the County's existing or future facilities; and iii) non-recurring expenditures needed in instances of emergencies or Force Majeure Incidents (as later defined);
- Target minimum financial metrics greater than those required by the Bond Resolution or subordinate loan agreements to promote the increased ability to be in compliance with the various rate and financial covenants of such agreements;
- Maintain adequate rates and charges to produce sufficient revenues and financial margins to fully cover operating expenses, debt service payments, identified capital expenditures, required transfers and funding for cash reserve targets;
- Maintain and promote a strong financial condition aimed at preserving and enhancing the Enterprise Fund bond ratings to minimize capital project financing costs and promote long-term System sustainability; and
- The desire to maintain reasonable and well-justified levels of rates and fees over the long run, in accordance with good business practices.

In general, the financial targets are more restrictive than the minimum legal requirements as may be contained in Bond Resolution or subordinate loan agreements as later defined. The following table provides a brief summary of the principal financial metrics and targets recommended and reflected in the financial plan presented in this Study:

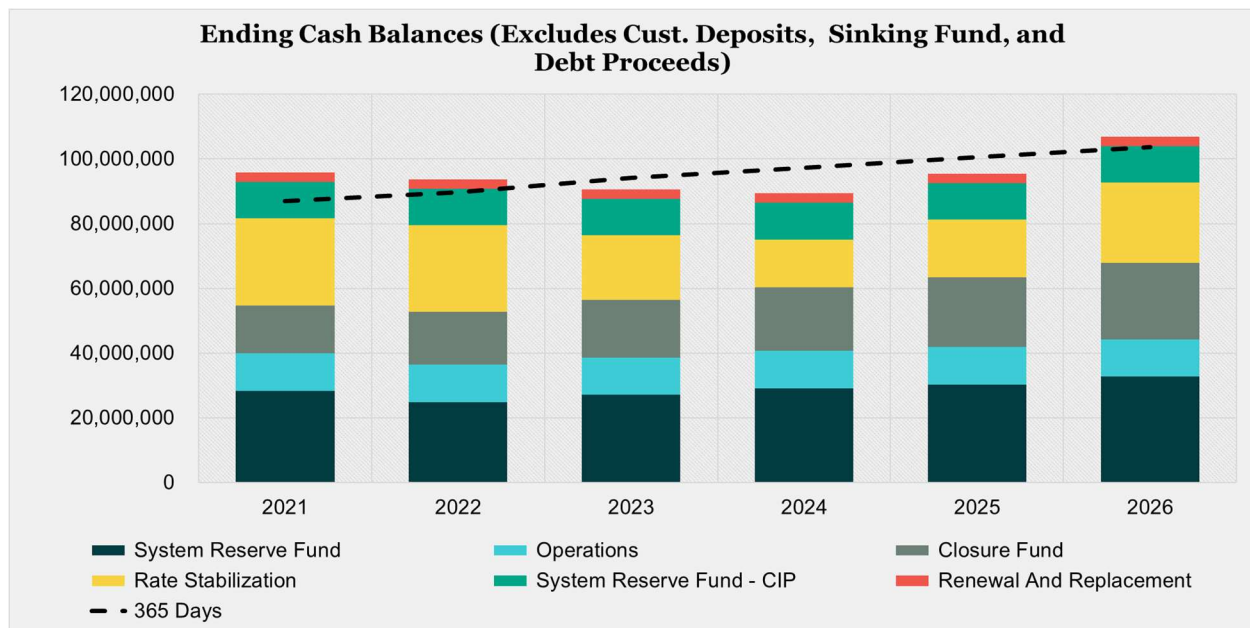
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Financial Metrics and Targets

Description	Basis	Purpose
Minimum Cash Reserves:		
1.1) Operating Reserve Target	Maintain a minimum of 150 days of operating expenses within operating reserve cash balances.	To promote the maintenance of a minimum working capital reserve balance for operating needs of the System and unexpected loss of revenues (e.g., reduction in electric revenue) or increases in costs.
1.2) Capital Reserve Target	Maintain the greater of: a) 6% of prior year's gross assets; or b) the average annual cost of the five- or ten-year CIP.	To promote the maintenance of a minimum capital reserve balance for System capital needs (e.g., renewals and replacements) and to allow for ongoing capital re-investment.
1.3) Closure Target	Maintain the estimated liability of landfill closure costs + one year of post-closure liability.	Represents a minimum cash funded reserve for the future closure and post closure care of the landfill.
1.4) Aggregate Reserve Target	Maintain an aggregate reserve balance at least equal to one year of budgeted Operating Expenses.	Reflects an aggregate cash reserve balance in order to maintain the credit worthiness of the System.
Debt Capacity and Coverage:		
2.1) Debt Capacity	Maintain a minimum Debt to Revenue Ratio from 4.0x to 6.0x calculated as: $= \frac{\text{Outstanding Principal All-in Debt} - \text{Cash Balance in Debt Service Reserve Account}}{\text{Gross Revenues} - \text{Transfers from Rate Stabilization Fund}}$	Provides a maximum range of indebtedness to be issued by the System based on financial metrics utilized by credit rating agencies in the evaluation of the debt capacity of a solid waste enterprise fund. It should be noted that the debt to revenue ratio was assumed in lieu of the debt to net equity ratio since it may be difficult to estimate the net equity associated with the County's WTE facility since repairs and replacements are performed by the County's Contract Operator.
2.2) All-in Coverage	Maintain at least 1.20x all-in debt coverage.	Represents a key financial metric used in assessing the creditworthiness of the Department.
Capital Reinvestment:		
3.1) Capital Reinvestment	Transfer at least five percent of prior year's Gross Revenues, excluding collection revenues, to capital reserves.	Intended to promote a minimum transfer for capital needs of the System.

The County is expected to meet or exceed the recommended targets assuming implementation of the recommended and identified rate revenue adjustments by the end of the Forecast period. The following chart provides a demonstration of initial compliance with the *1.4) Aggregate Reserve Target* but falls slightly below the target in the outer years of the Forecast Period. However, it is anticipated that the cash position will continue to improve as shown by the positive trend from Fiscal Years 2023 through 2026.

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As can be seen from the table above, it is projected that cash reserves are expected to decline during initial period of the Study primarily associated with identified capital funding requirements of the System and increased operating expenses, but generally meet or exceed the minimum targeted cash reserves equal to 12 months of operating expenses for the near-term of the Forecast Period.

SECTION 9: COST OF SERVICE AND RATE DESIGN

Based on the recommended financial targets, projected cost of revenue requirements and identified rate adjustments, the net system revenue requirements were evaluated relative to the current rate structure comprised of:

- Residential Collection and Disposal Assessments.
- Solid Waste System Assessment (i.e., Disposal Facility Assessment and Recycling Assessment).
- Assessed Billing Charge.
- Solid Waste Operations and Right of Way Surcharges.
- Tipping Fees by Type of Waste.

Costs were allocated by budgetary line item to the various charges based on a rational nexus among the costs and the respective fees. Adjustments to the allocated rates were then made to recognize: i) benefits of an integrated solid waste operation; ii) market comparisons iii) pricing incentives to discourage out-of-town waste; and iv) general rounding of rates for ease of billing. The following table provides a brief summary of the principal assessments and fees recommended for the Fiscal Year 2022:

Summary of Historical, Existing, and Recommended Rates

Description	Historical 2020	Existing 2021	Recommended 2022
Assessments:			
Collection (Avg. Areas 1-5) [1]	\$145.62	\$145.62	\$154.69
Disposal MSW [2]	45.18	45.18	53.00
Disposal Yard Waste [3]	6.62	6.62	8.40
Disposal Facility Assessment Charge [2]	15.53	15.53	17.25
Recycling Assessment [4]	0.00	11.05	11.05
Surcharges	0.00	0.00	0.00
Billing Fee	2.45	2.45	2.45
Early Prepayment Gross Up (4%)	8.97	9.44	10.29
Gross Assessment Average for Areas 1-5 [5]	\$224.37	\$235.88	\$257.13
Assessment Paid in February = 1% Discount	\$222.13	\$233.07	\$254.56
Assessment Paid in January = 2% Discount	219.88	230.71	251.99
Assessment Paid in December = 3% Discount	217.64	228.36	249.42
Assessment Paid in November = 4% Discount	215.40	226.00	246.84
Tipping Fees per Ton by Waste Type			
MSW [6]	\$50.20	\$50.20	\$53.00
Horticulture / Yard Waste	25.46	31.00	35.00
C&D	32.95	48.40	53.00
Class III	32.95	48.40	53.00
Tires	80.00-120.00	120.00	160.00
Recycling	N/A	38.12	38.12
Surcharges per MSW Ton [6][7]	\$0.00	\$0.00	\$0.00
Disposal Facility Assessment per Ton [8]	\$17.25	\$17.25	\$17.25

[1] Amounts shown reflect the average fee charged for the franchise collection areas 1-5.

[2] County assesses residential customers the MSW disposal and the Disposal Facility Assessment based on the following waste generation assumptions:

FY20 – 0.90 tons FY21 – 0.90 tons FY22 – 1.00 tons

[3] County assesses residential customers the Yard Waste Assessment based on the following waste generation assumptions:

FY20 – 0.26 tons FY21 – 0.21 tons FY22 – 0.24 tons

[4] County assesses residential customers the Recycling Assessment based on the waste generation assumption of 0.29 tons per unit for Fiscal Years 2021 and 2022.

[5] Reflects gross assessments before early prepayment discounts as allowed by Florida Statutes, Chapter 197.

[6] Unincorporated waste generated by commercial and multi-family customers is charged a gate fee per ton including the addition of the base tipping fee plus applicable surcharges per ton for MSW deliveries. Currently the County does not charge for any surcharges.

[7] Amounts shown are not charged to municipal customers, with exception to Fort Myers Beach, Bonita Springs, and the Village of Estero for which the County provides collection services and assess any applicable surcharges pursuant to interlocal agreement. Currently the County does not charge for any surcharges.

[8] Presented for informational purposes only since the disposal facility assessment charge is charged to all customers by assessment and to Hendry County as part of their gate fee.

As can be seen above, although the recommended rates are designed to recover the targeted revenues as indicated in Section 8 of this report, the recommended fees did not recognize uniform or across-the-board increases. Based on recent trends and historical tonnages, the County is increasing the assessed generation rates for MSW and yard waste from 0.90 to 1.00 and from 0.21 to 0.24 tons per residential unit, respectively. The recommended disposal fees and collection fees are targeted to generate a net increase in revenues of approximately \$3.1 million and \$1.7 million, respectively. The following provides a brief discussion concerning the rate design assumptions in development of the recommended rates:

Disposal Fees:

- Tipping Fees: The cost-of-service allocations for various tipping fees were performed based on discussions with Department staff and reflected consideration of the pro-rata share of the cost of disposal recognizing the actual means of disposal for each respective type of waste processed by the County.
- Multi-family Recycling Assessment: Based on a recycling report prepared for and discussions with Department staff, a multi-family recycling assessment of \$4.37 per year, per unit has been calculated to be added to the multi-family Solid Waste System Assessment to recover the net costs associated with recycling operations. The annual assessment is based on a generation rate of 0.11 recycling tons per unit. It should be noted that the proposed assessment, in addition to the single-family recycling assessment, does not recover the full net cost of recycling operations. No increase is recommended to the single-family Recycling Assessment.
- Surcharges: No surcharges are proposed in the Fiscal Year 2022 recommended rate design. Identified costs associated with solid waste operations were funded through the application of net franchise fee revenues. The nexus of the application of the franchise fee revenues to the surcharges relates to the link among the unincorporated customers associated with the generation of the franchise fee revenues and those same customers, which would pay the surcharges.
- Disposal Facility Assessment: The Disposal Facility Assessment (also called the Solid Waste System Assessment when combined with the Recycling Assessment) is designed to recover the fixed costs of the System associated with operation of the disposal facilities. No increase is recommended to the Disposal Facility Assessment.

Billing Fees: The billing fee represents a pass-through of the cost associated with charges from the County's property appraiser and tax collector. The recommended fee is equivalent to the proposed fee to be charged by the property appraiser and tax collector.

Collection Fees: The recommended changes to the collection assessment reflects the estimated actual cost of collection in each area. Actual changes to collection charges may differ from what is assumed in the forecast based on negotiations.

Early Prepayment Discount

Pursuant to Florida Statutes, customers may elect to receive a discount of up to 4% if they pay all of the charges and taxes included on the ad valorem tax bill prior to the due date of the bill. The residential solid waste assessment is collected with the tax bill as allowed by Florida Statutes, Chapter 197. The majority of residential customers in the County pay taxes and the solid waste assessment early and receive a discount. The recommended assessment for the Fiscal Year 2021 assumes a mark-up to the calculated fee for the early payment discount. Therefore, if the full 4% discount is recognized by a property owner the County will collect the full rate for service (after the discount is applied); the mark-up of fees included on the ad valorem tax bill is customary and allows the solid waste enterprise fund to fully collect the fees for service.

Customer Impact

The residential solid waste bill is expected to increase approximately \$21 on average (i.e., \$1.77 per month) for Fiscal Year 2022 assuming the residential customer receives the same discount from the prior year. Due to the early prepayment discount, the actual charge a customer pays may vary.

Residential customers within the municipalities of Cape Coral, Fort Myers, and Sanibel disposing of waste to County facilities may see their annual disposal charges increase approximately \$12 (i.e., \$0.98 a month) for Fiscal Year 2028 assuming application of the proposed tipping fees to assumed deliveries of 1.00 tons of MSW and 0.24 tons of yard waste. It should be clarified that the County is not responsible for collection

nor charges such customers for curbside collection for which the respective municipalities administer and control. Additionally, actual impacts to residential customers from application of the Solid Waste Facility Assessment charge may vary to customers within Cape Coral since the application of the fee is assessed by MSTU.

Rate Comparison

In order to provide additional information relative to the fees charged for service, the following table provides a summary of comparable fees charged by other Florida solid waste systems for collection and disposal service to the existing and proposed fees for the County:

Solid Waste Fee Comparison with Other Florida Systems

Description	Residential Assessment			MSW	C&D	Tipping Fees Yard Waste	Tires
	Collection	Disposal	Total				
Lee County – Existing [1] [2]	\$130.25 - \$174.38	\$84.20	\$214.45 - \$258.57	\$50.20	\$48.40	\$31.00	\$120.00
Lee County – FY22 [1] [2]	\$138.21 - \$185.00	\$95.99	\$234.20 - \$280.99	\$53.00	\$53.00	\$35.00	\$160.00
<u>Other Systems with Waste-to-Energy Facilities:</u>							
Broward County [3]	N/A	N/A	\$290.00	N/A	\$50.00	\$50.00	\$110.00
Hillsborough County [4]	\$186.43	\$102.89	\$289.32	\$73.22	\$62.38	\$37.06	\$130.00
Miami-Dade County [5]	N/A	N/A	\$484.00	\$63.57	\$63.57	\$63.57	\$114.18
Palm Beach County [4]	\$170.00 - \$334.00	\$173.00	\$343.00 - \$507.00	\$42.00	\$55.00	\$32.00	\$75.00
Pasco County [4]	\$206.72	\$72.00	\$278.72	\$72.08	\$72.08	\$72.08	\$200.00
Pinellas County [4]	N/A	N/A	\$192.00	\$42.15	\$42.15	\$42.15	\$110.00
City of Tampa [4]	N/A	N/A	\$418.92	\$71.00	\$51.00	\$71.00	\$117.00
<u>Systems without Waste-to-Energy Facilities:</u>							
Charlotte County [2]	N/A	N/A	\$271.55	\$38.43	\$38.43	\$38.43	\$122.76
Collier County [4]	N/A	N/A	\$214.07 - \$221.85	\$74.93	\$83.84	\$49.92	\$204.76
Hernando County [4]	\$176.40	\$69.40	\$245.80	\$54.50	\$45.00	\$20.00	\$100.00
Manatee County [4]	N/A	N/A	\$171.96	\$40.00	\$61.00	\$40.00	\$86.00
Polk County [2]	\$144.50	\$52.00	\$196.50	\$36.50	\$36.50	\$22.00	\$300.00
Sarasota County [2]	N/A	N/A	\$218.31	\$57.56	\$54.00	\$41.37	\$158.60
Other System Averages	\$217.41	\$93.86	\$314.26	\$55.50	\$55.00	\$44.58	\$140.64

- [1] Amounts shown for the residential assessment reflect the gross assessment before early prepayment discounts. The billing charge is included as a component of the residential disposal assessment.
- [2] Denotes residential collection service at one day per week for garbage, recycling, and yard waste collection.
- [3] Broward County residential collection includes two days per week for garbage collection, one day per week for recycling collection and one day per month yard waste collection.
- [4] Denotes residential collection service at two days per week for garbage collection and one day per week for recycling and yard waste collection. Note garbage collection service in Pinellas County is for one or two days per week depending on location.
- [5] Miami-Dade County residential collection service includes two days per week for garbage / yard waste collection and one day every other week for recycling collection.

As can be seen above, the County's proposed rates being recommended for adoption by the BOCC for the Fiscal Year 2022 are projected to remain comparable to and / or below the average charged by the other surveyed Counties for similar solid waste service.

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SECTION 10: RECOMMENDATIONS

Based on the findings of this study the following observations and recommendations are provided for consideration by the BOCC and County administration:

- The existing disposal and collection fees for service are projected to be insufficient to fund the identified funding requirements of the System and it is recommended that the BOCC consider adopting and implementing the recommended rates for the Fiscal Year 2022.
- Recognizing the changes in market conditions and pricing for recyclables and the timing of the need for additional disposal capacity, staff should continue to closely monitor and perform annual financial projections to assess the sufficiency of System revenues to meet the expenditure needs of the System and for compliance with the rate covenants and flow of funds requirements delineated in the Bond Resolution and need for additional rate adjustments.
- County should continuously review and update the financial plan to evaluate trends in service area growth, solid waste elements, costs, and capital reinvestment and financing to ensure compliance with the Rate Covenants contained in the Bond Resolution, promote the overall creditworthiness of the System and limit financial risk, and provide for long-term rate sustainability.

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LEE COUNTY, FLORIDA
FISCAL YEAR 2021
SOLID WASTE REVENUE SUFFICIENCY STUDY

LIST OF TABLES

Table No.	Description
ES-1	Dashboard and Summary of Projected Financial Position and Operational Statistics
ES-2	Dashboard and Summary of Projected Financial Position and Operational Statistics with Adopted Fiscal Year 2022 Rates
1	Historical and Projected Assessed Residential Customer Billing Units and Tonnage Statistics
2	Historical and Projected Disposal Facility Assessment Customer Billing Statistics
3	Historical and Projected Waste Flow Summary by Type of Waste
4	Historical and Projected Waste Flow Summary by Disposal Facility
5	Historical and Projected Waste-to-Energy (WTE) Operational Statistics
6	Projected Assessment and Disposal Fee Revenues Under Existing Rates
7	Historical and Projected Electric Sales Revenue
8	Historical and Projected Operating Expenses
9	Projected Operating Expense Escalation Factors
10	Projected Capital Expenditures
11	Projected Annual Debt Service Payments – Accrual Basis
12	Projected Fund Balance and Interest Income
13	Projected Solid Waste Disposal Net Revenue Requirements from Rates
14	Projected Solid Waste Collection Net Revenue Requirements from Rates
15	Projected Solid Waste Disposal and Collection Net Revenue Requirements from Rates
16	Projected Rate Covenant Compliance
17	Historical, Current and Proposed Assessment, Tipping and Gate Fees



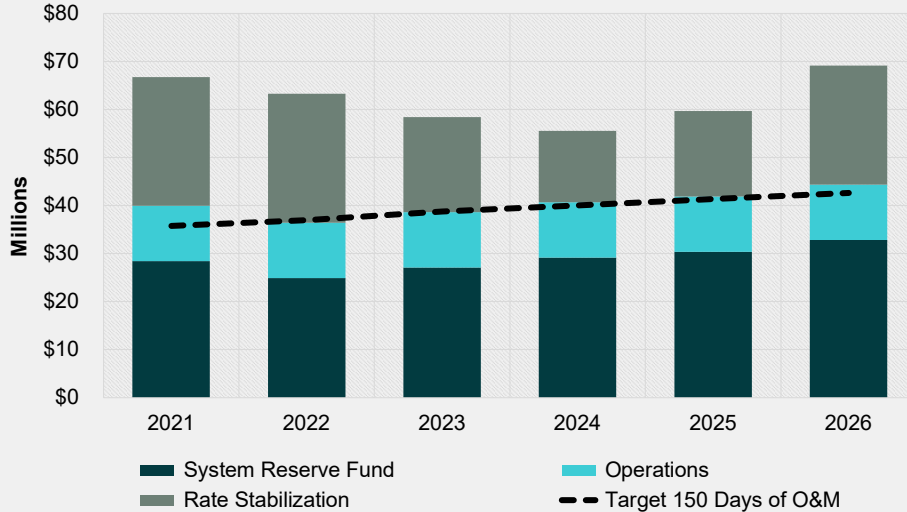
Lee County, Florida

Solid Waste System

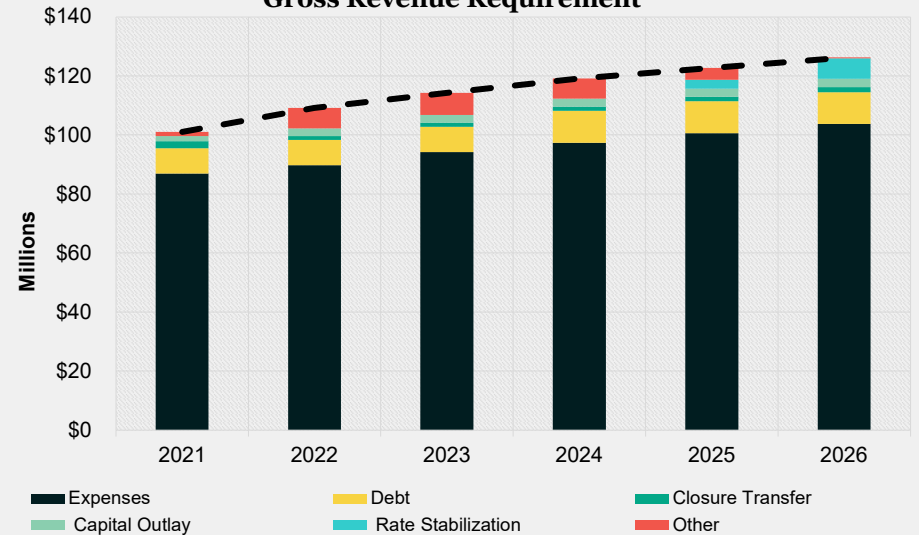
Table ES-1

Projected Rate Revenue Adjustments						
	2021	2022	2023	2024	2025	2026
Disposal	0.00%	5.00%	5.00%	4.00%	2.00%	2.00%
Collection	0.00%	6.48%	1.98%	1.98%	1.98%	1.84%

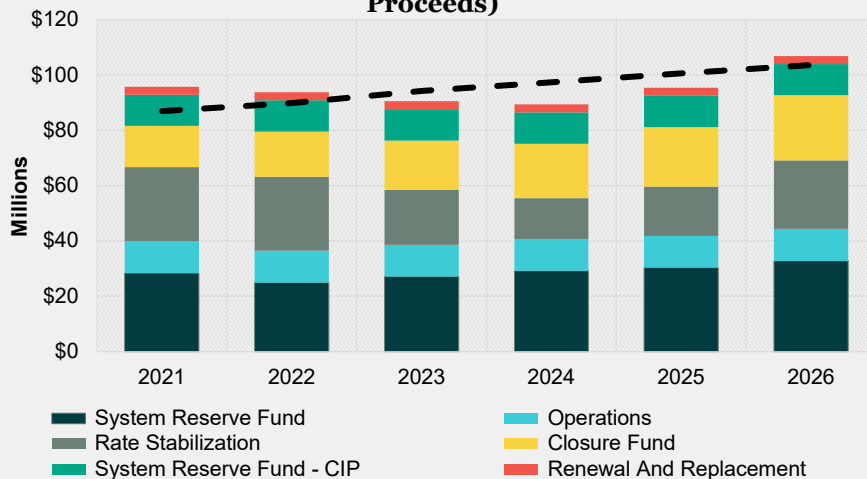
Operating Reserve Balance and Forecast Target



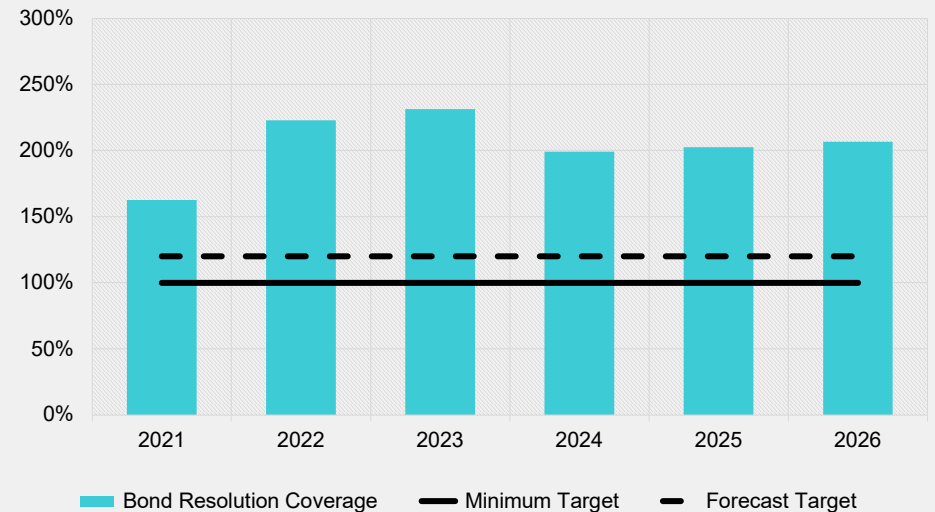
Gross Revenue Requirement



**Ending Cash Balances
(Excludes Cust. Deposits, Sinking Fund, and, Bond Proceeds)**



Bond Resolution Debt Service Coverage (Net Revenues)



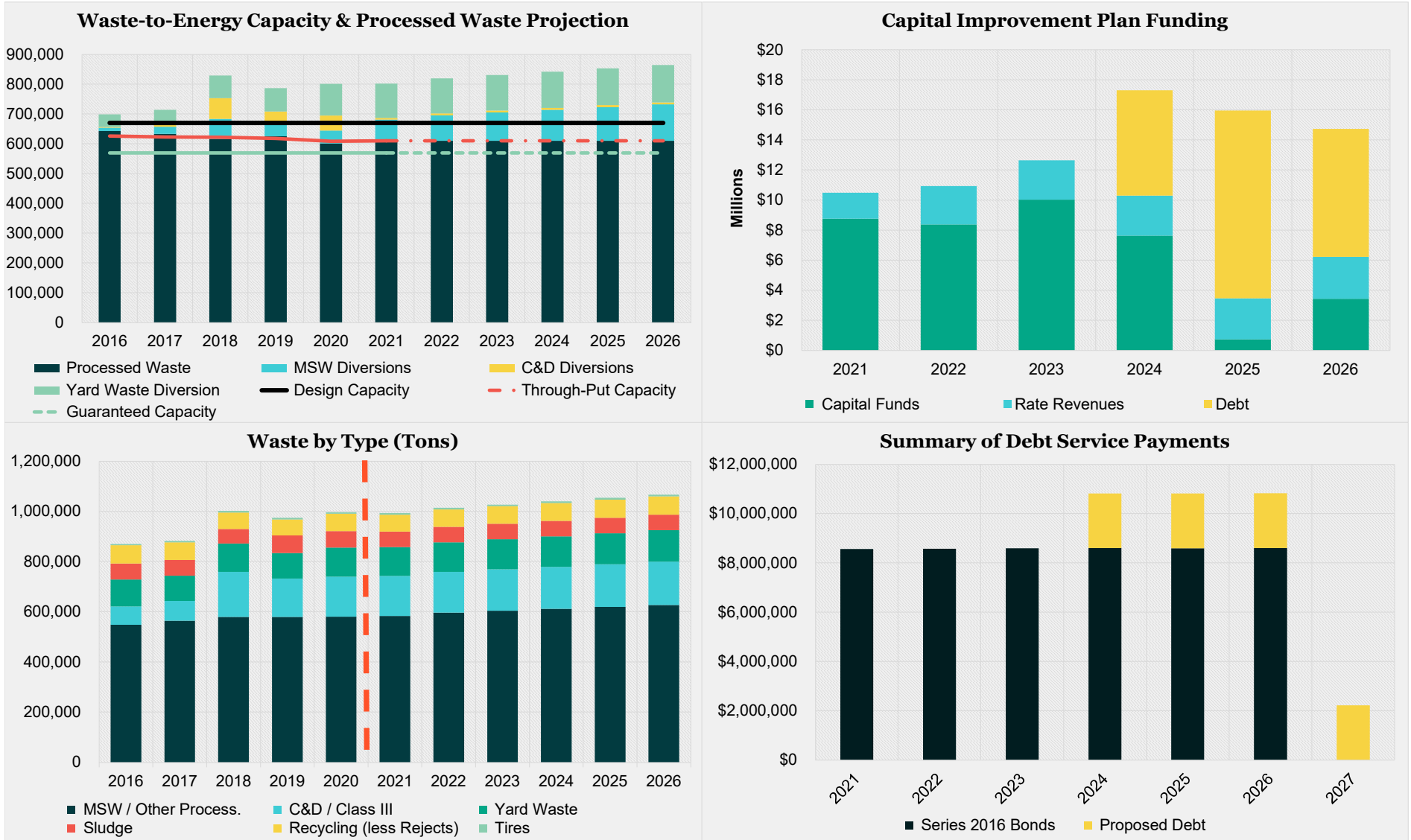


Lee County, Florida

Solid Waste System

Table ES-1

Projected Rate Revenue Adjustments						
	2021	2022	2023	2024	2025	2026
Disposal	0.00%	5.00%	5.00%	4.00%	2.00%	2.00%
Collection	0.00%	6.48%	1.98%	1.98%	1.98%	1.84%



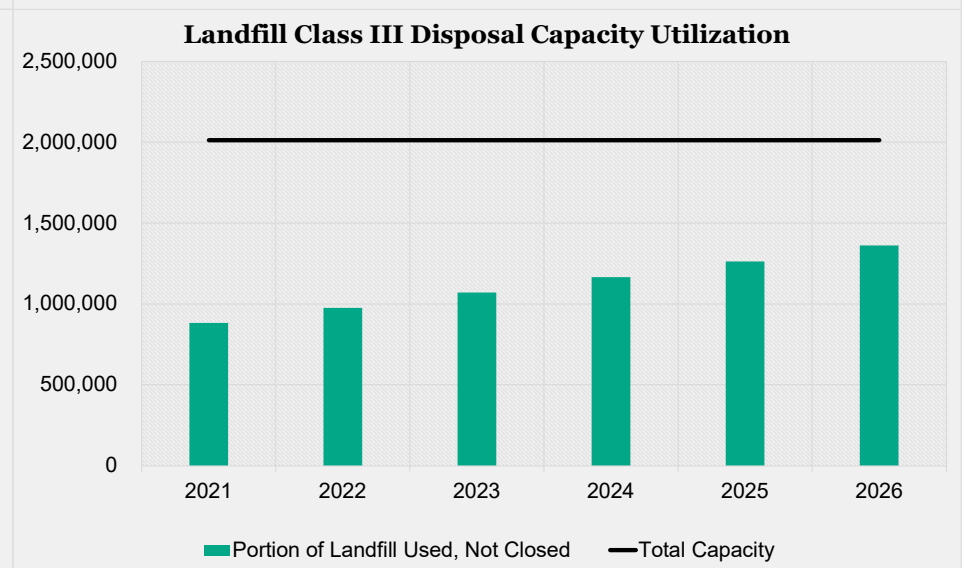
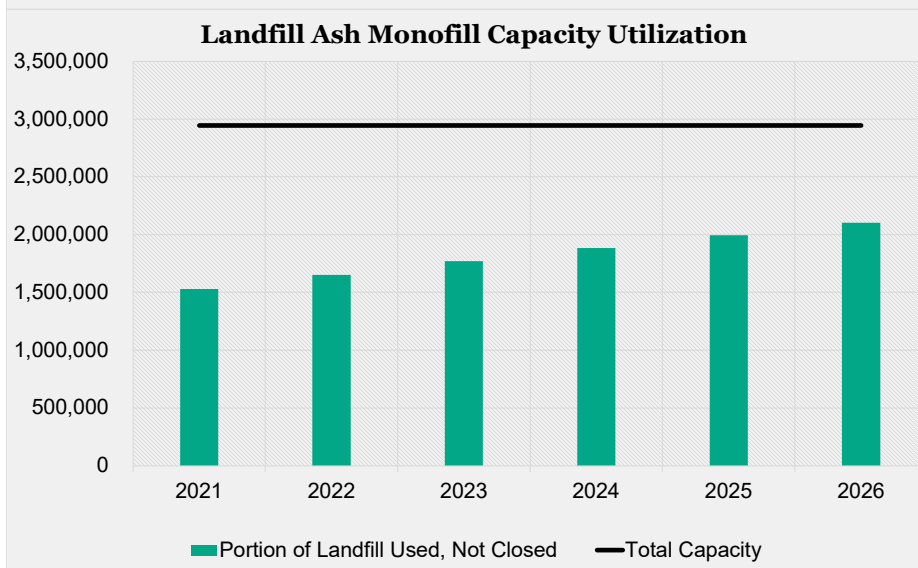
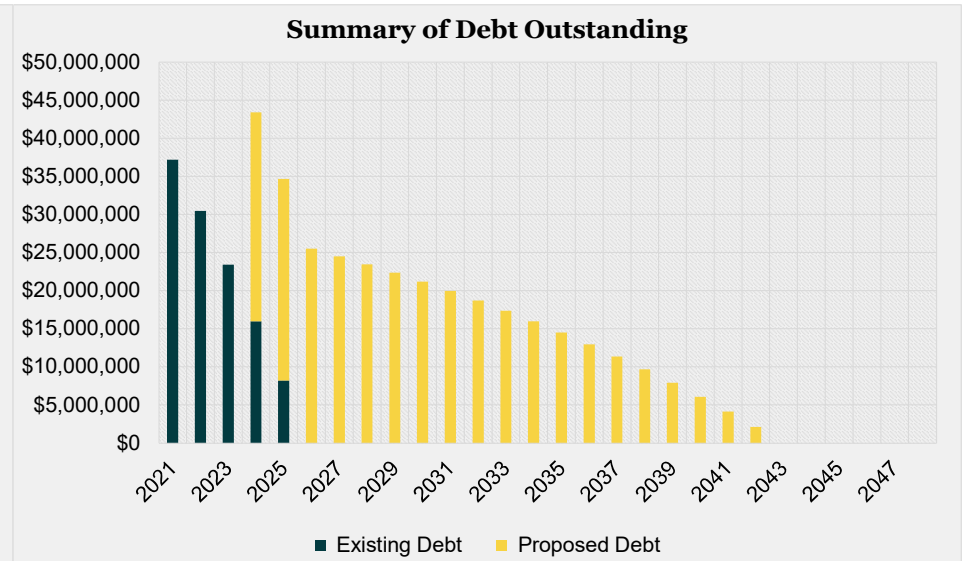
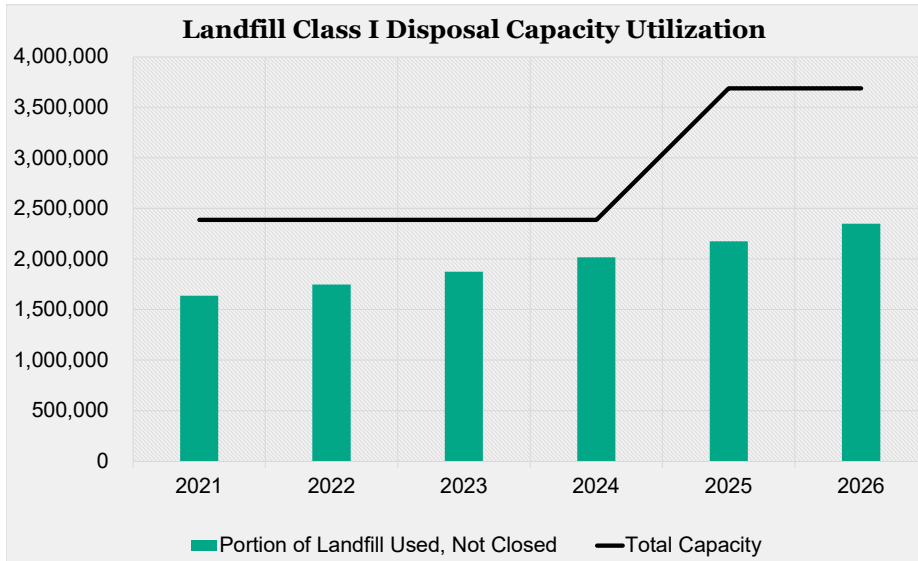


Lee County, Florida

Solid Waste System

Table ES-1

	Projected Rate Revenue Adjustments					
	2021	2022	2023	2024	2025	2026
Disposal	0.00%	5.00%	5.00%	4.00%	2.00%	2.00%
Collection	0.00%	6.48%	1.98%	1.98%	1.98%	1.84%



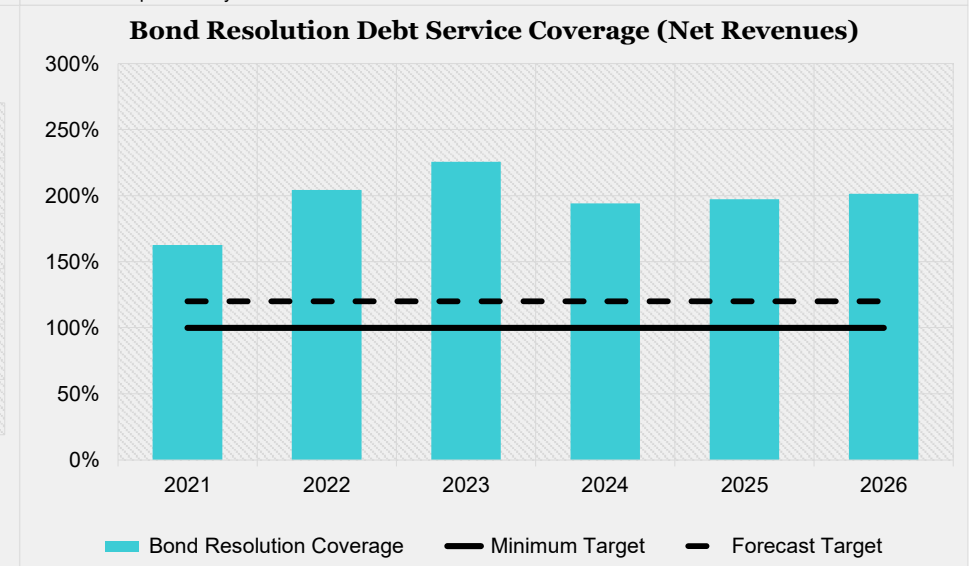
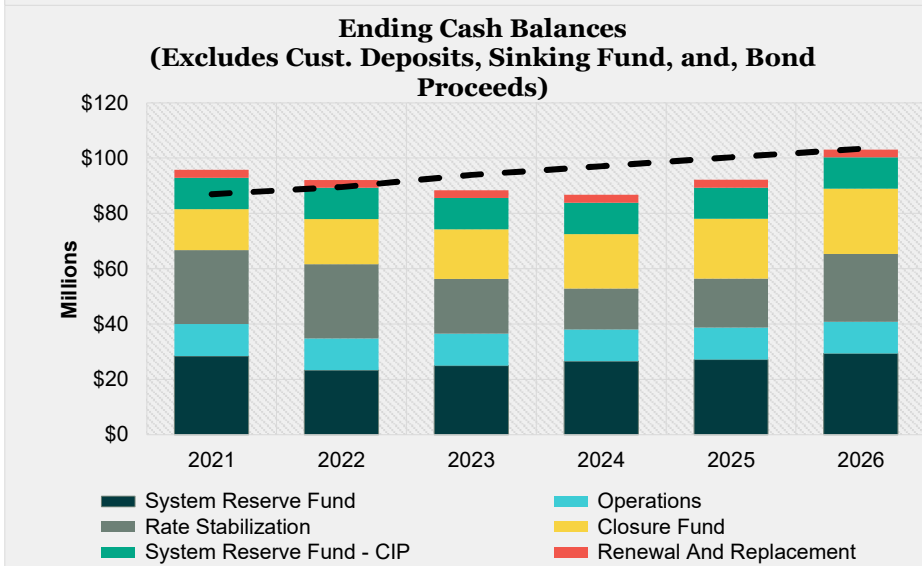
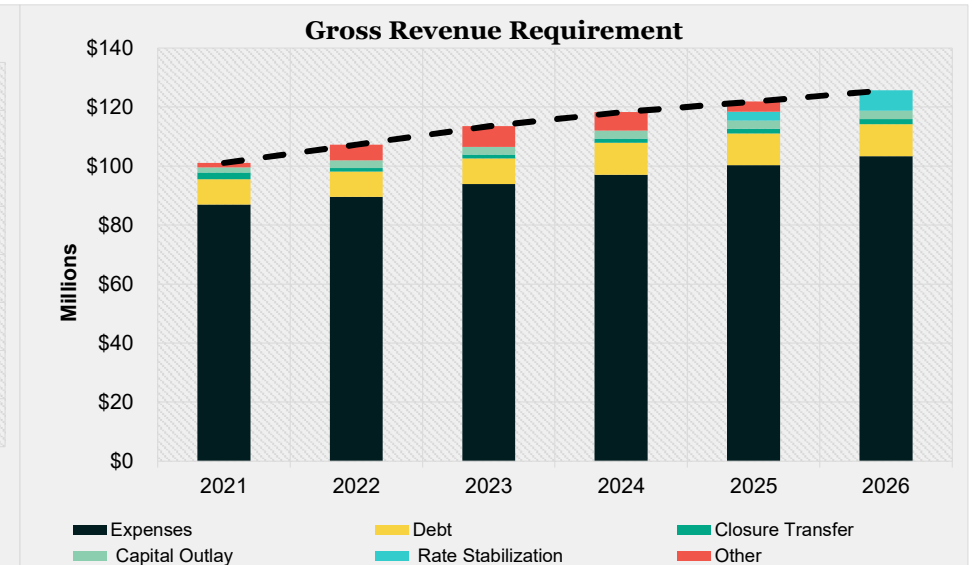
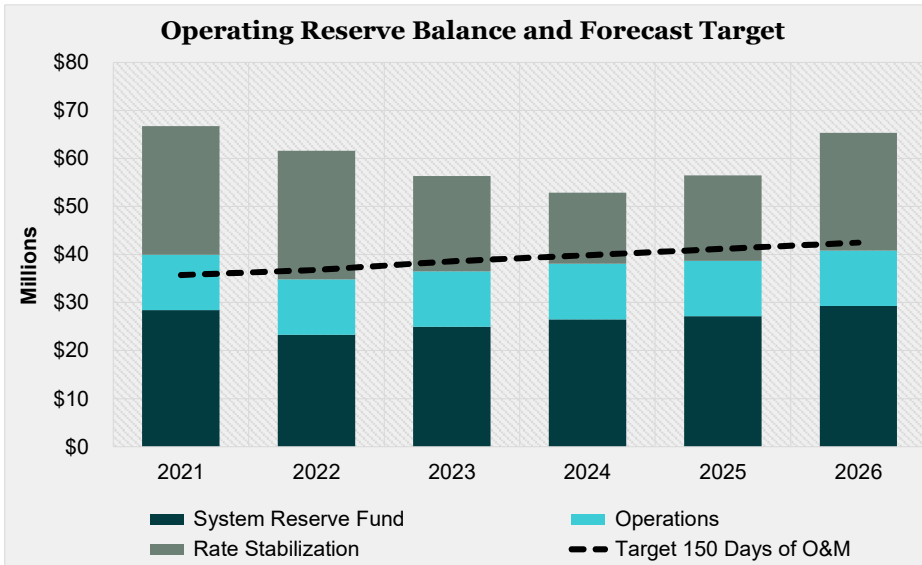


Lee County, Florida

Solid Waste System

Table ES-2

Projected Rate Revenue Adjustments						
	2021	2022	2023	2024	2025	2026
Disposal	0.00%	0.00%	5.00%	4.00%	2.00%	2.00%
Collection	0.00%	0.00%	7.50%	1.98%	1.98%	1.84%



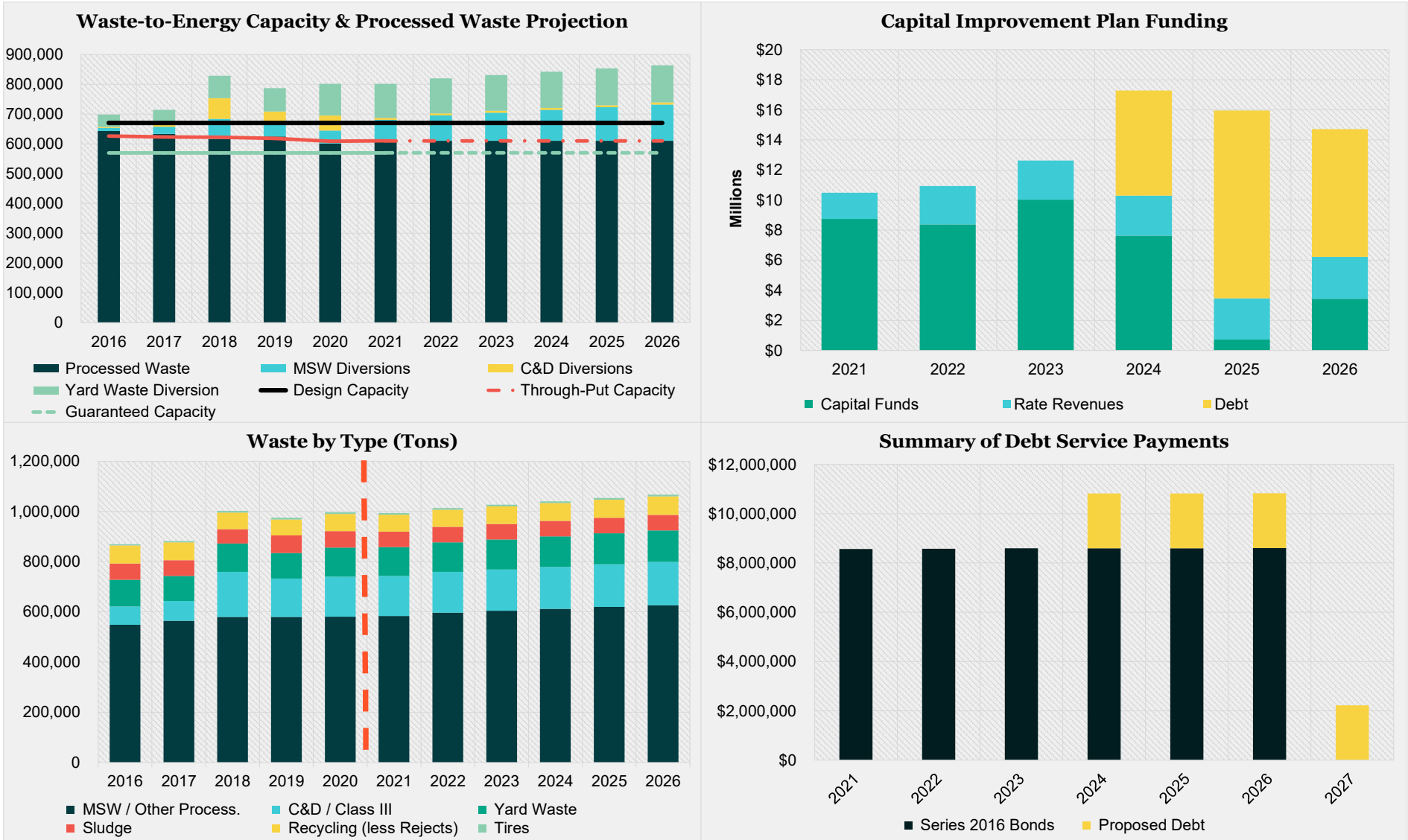


Lee County, Florida

Solid Waste System

Table ES-2

Projected Rate Revenue Adjustments						
	2021	2022	2023	2024	2025	2026
Disposal	0.00%	0.00%	5.00%	4.00%	2.00%	2.00%
Collection	0.00%	0.00%	7.50%	1.98%	1.98%	1.84%





Lee County, Florida

Solid Waste System

Table ES-2

Projected Rate Revenue Adjustments						
	2021	2022	2023	2024	2025	2026
Disposal	0.00%	0.00%	5.00%	4.00%	2.00%	2.00%
Collection	0.00%	0.00%	7.50%	1.98%	1.98%	1.84%

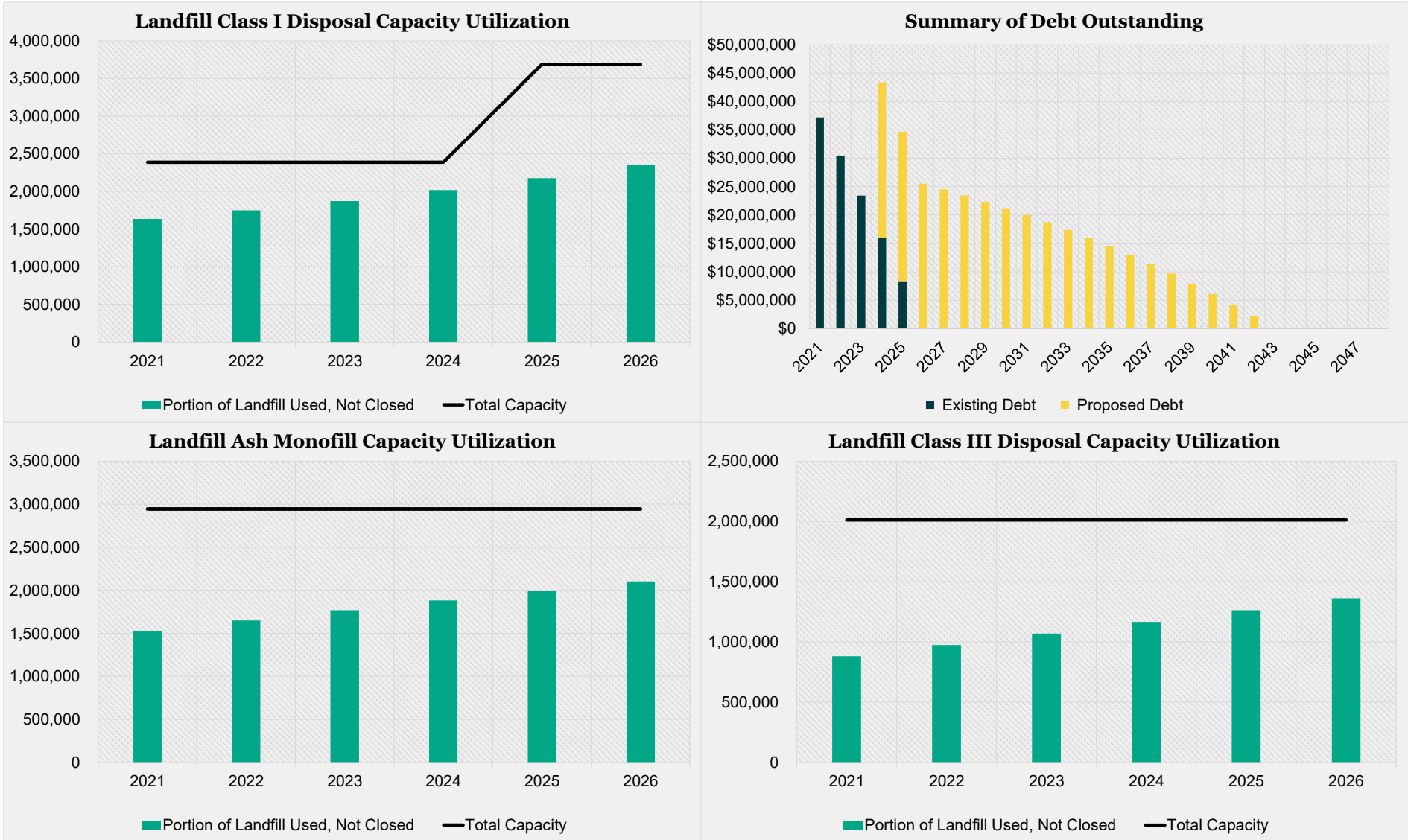


Table 1
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Assessed Residential Customer Billing Units and Tonnage Statistics

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Residential Collection and Disposal Assessment Units:												
Area 1 - Bonita/Ft. Myers Beach												
1	Single Family	2.20%	2.20%	2.12%	2.44%	2.04%	2.04%	1.99%	1.95%	1.91%	1.87%	1.53%
2	Units - Beginning Units	24,327	24,861	25,408	25,947	26,581	27,122	27,674	28,225	28,775	29,324	29,873
3	Units - Growth (Total)	534	547	539	634	541	552	551	550	549	549	458
4	Units - Ending Units	24,861	25,408	25,947	26,581	27,122	27,674	28,225	28,775	29,324	29,873	30,331
5	Average Units	24,594	25,135	25,678	26,264	26,852	27,398	27,950	28,500	29,050	29,599	30,102
6	MSW Tons	18,315	18,050	19,159	21,370	20,763	21,096	22,080	22,515	22,949	23,383	23,781
7	Tons per Unit	0.74	0.72	0.75	0.81	0.77	0.77	0.79	0.79	0.79	0.79	0.79
8	Yard Waste Tons	6,025	4,890	4,748	4,579	4,985	5,480	6,181	6,303	6,424	6,546	6,657
9	Tons per Unit	0.24	0.19	0.18	0.17	0.19	0.20	0.22	0.22	0.22	0.22	0.22
10	Recycling Tons	9,612	8,923	8,894	8,942	9,821	10,137	10,341	10,545	10,748	10,951	11,138
11	Tons per Unit	0.39	0.36	0.35	0.34	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Area 2 - SFM - West/Iona-McGregor/Captiva												
12	Single Family	1.44%	1.26%	1.15%	1.00%	0.79%	0.79%	0.77%	0.76%	0.74%	0.72%	0.59%
13	Units - Beginning Units	24,286	24,636	24,947	25,234	25,486	25,687	25,890	26,090	26,287	26,481	26,673
14	Units - Growth (Total)	350	311	287	252	201	203	200	197	194	192	158
15	Units - Ending Units	24,636	24,947	25,234	25,486	25,687	25,890	26,090	26,287	26,481	26,673	26,831
16	Units - Average	24,461	24,792	25,091	25,360	25,587	25,789	25,990	26,189	26,384	26,577	26,752
17	MSW Tons	18,598	21,571	21,740	21,712	22,627	22,694	22,871	23,046	23,218	23,388	23,542
18	Tons per Unit	0.76	0.87	0.87	0.86	0.88	0.88	0.88	0.88	0.88	0.88	0.88
19	Yard Waste Tons	8,414	7,818	7,412	7,033	7,755	8,252	8,317	8,380	8,443	8,505	8,561
20	Tons per Unit	0.34	0.32	0.30	0.28	0.30	0.32	0.32	0.32	0.32	0.32	0.32
21	Recycling Tons	8,529	8,760	8,718	8,320	9,749	9,800	9,876	9,952	10,026	10,099	10,166
22	Tons per Unit	0.35	0.35	0.35	0.33	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Area 3 - SFM - East/San Carlos												
23	Single Family	1.41%	1.30%	1.70%	1.94%	2.46%	2.04%	2.00%	1.95%	1.91%	1.88%	1.54%
24	Units - Beginning Units	41,921	42,510	43,062	43,796	44,647	45,745	46,678	47,610	48,540	49,469	50,397
25	Units - Growth (Total)	589	552	734	851	1,098	933	932	930	929	928	774
26	Units - Ending Units	42,510	43,062	43,796	44,647	45,745	46,678	47,610	48,540	49,469	50,397	51,171
27	Units - Average	42,216	42,786	43,429	44,222	45,196	46,212	47,144	48,075	49,005	49,933	50,784
28	MSW Tons	30,729	33,208	33,091	34,661	38,033	38,818	39,601	40,383	41,164	41,944	42,659
29	Tons per Unit	0.73	0.78	0.76	0.78	0.84	0.84	0.84	0.84	0.84	0.84	0.84
30	Yard Waste Tons	9,339	8,368	9,310	6,756	7,495	9,242	9,429	9,615	9,801	9,987	10,157
31	Tons per Unit	0.22	0.20	0.21	0.15	0.17	0.20	0.20	0.20	0.20	0.20	0.20
32	Recycling Tons	12,959	12,497	12,569	12,888	13,245	13,401	13,672	13,942	14,211	14,481	14,727
33	Tons per Unit	0.31	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Area 4 - East/Lehigh/Alva												
34	Single Family	0.71%	1.32%	1.40%	2.37%	2.67%	2.67%	2.61%	2.55%	2.50%	2.45%	2.01%
35	Units - Beginning Units	46,894	47,228	47,852	48,524	49,672	50,996	52,355	53,721	55,093	56,471	57,855
36	Units - Growth (Total)	334	624	672	1,148	1,324	1,359	1,366	1,372	1,378	1,384	1,162
37	Units - Ending Units	47,228	47,852	48,524	49,672	50,996	52,355	53,721	55,093	56,471	57,855	59,017
38	Units - Average	47,061	47,540	48,188	49,098	50,334	51,676	53,038	54,407	55,782	57,163	58,436
39	MSW Tons	49,286	52,548	60,557	57,389	63,836	65,628	67,358	69,097	70,843	72,597	74,214
40	Tons per Unit	1.05	1.11	1.26	1.17	1.27	1.27	1.27	1.27	1.27	1.27	1.27
41	Yard Waste Tons	9,555	9,468	8,161	7,266	7,437	10,335	10,608	10,881	11,156	11,433	11,687
42	Tons per Unit	0.20	0.20	0.17	0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20
43	Recycling Tons	11,431	11,436	11,835	12,025	11,226	12,402	12,729	13,058	13,388	13,719	14,025
44	Tons per Unit	0.24	0.24	0.25	0.24	0.22	0.24	0.24	0.24	0.24	0.24	0.24

Table 1
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Assessed Residential Customer Billing Units and Tonnage Statistics

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Residential Collection and Disposal Assessment Units:												
Area 5 - Pine Island/NFM												
45	Single Family	0.72%	0.51%	0.37%	0.78%	0.68%	0.68%	0.66%	0.65%	0.64%	0.62%	0.51%
46	Units - Beginning Units	21,984	22,143	22,256	22,338	22,513	22,666	22,820	22,972	23,122	23,269	23,414
47	Units - Growth (Total)	159	113	82	175	153	154	152	150	147	145	120
48	Units - Ending Units	22,143	22,256	22,338	22,513	22,666	22,820	22,972	23,122	23,269	23,414	23,534
49	Units - Average	22,064	22,200	22,297	22,426	22,590	22,743	22,896	23,047	23,196	23,342	23,474
50	MSW Tons	21,201	22,704	22,497	24,689	26,125	26,382	26,559	26,735	26,907	27,076	27,230
51	Tons per Unit	0.96	1.02	1.01	1.10	1.16	1.16	1.16	1.16	1.16	1.16	1.16
52	Yard Waste Tons	10,411	9,787	8,089	7,857	7,687	7,960	8,763	8,821	8,878	8,933	8,984
53	Tons per Unit	0.47	0.44	0.36	0.35	0.34	0.35	0.38	0.38	0.38	0.38	0.38
54	Recycling Tons	7,034	7,027	6,708	6,195	6,069	6,368	6,414	6,456	6,498	6,538	6,576
55	Tons per Unit	0.32	0.32	0.30	0.28	0.27	0.28	0.28	0.28	0.28	0.28	0.28
Area 6 - Boca Grande [1]												
56	Single Family	1.22%	0.32%	0.48%	0.48%	0.16%	0.16%	0.15%	0.15%	0.15%	0.15%	0.12%
57	Units - Beginning Units	1,233	1,248	1,252	1,258	1,264	1,266	1,268	1,270	1,272	1,274	1,276
58	Units - Growth (Total)	15	4	6	6	2	2	2	2	2	2	2
59	Units - Ending Units	1,248	1,252	1,258	1,264	1,266	1,268	1,270	1,272	1,274	1,276	1,278
60	Units - Average	1,241	1,250	1,255	1,261	1,265	1,267	1,269	1,271	1,273	1,275	1,277
61	MSW Tons	992	1,000	1,004	1,009	1,012	1,014	1,015	1,017	1,018	1,020	1,022
62	Tons per Unit	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
63	Yard Waste Tons	124	125	126	126	127	127	127	127	127	128	128
64	Tons per Unit	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	Recycling Tons	124	125	126	126	127	127	127	127	127	128	128
66	Tons per Unit	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Total Collection Assessments												
67	Units - Beginning Units	160,645	162,626	164,777	167,097	170,163	173,482	176,685	179,888	183,089	186,288	189,488
68	Units - Growth (Total)	1,981	2,151	2,320	3,066	3,319	3,203	3,203	3,201	3,199	3,200	2,674
69	Units - Ending Units	162,626	164,777	167,097	170,163	173,482	176,685	179,888	183,089	186,288	189,488	192,162
70	Units - Average	161,636	163,702	165,937	168,630	171,823	175,084	178,287	181,489	184,689	187,888	190,825
71	MSW Tons	139,122	149,081	158,048	160,829	172,397	175,631	179,485	182,792	186,099	189,407	192,446
72	Tons per Unit	0.86	0.91	0.95	0.95	1.00	1.00	1.01	1.01	1.01	1.01	1.01
73	Yard Waste Tons	43,868	40,455	37,846	33,618	35,487	41,396	43,424	44,127	44,829	45,530	46,173
74	Tons per Unit	0.27	0.25	0.23	0.20	0.21	0.24	0.24	0.24	0.24	0.24	0.24
75	Recycling Tons	49,689	48,767	48,850	48,496	50,237	52,235	53,159	54,079	54,998	55,916	56,759
76	Tons per Unit	0.31	0.30	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30

Footnote:

[1] Area 6 represents a small barrier island community within the north western portion of Lee County's jurisdictional boundaries, however, due to lack of direct access to the County and the area's proximity to Charlotte County, such disposal service is provided by Charlotte County.

Table 2
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Disposal Facility Assessment Customer Billing Statistics [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<u>Disposal Facility Assessment Units:</u>												
<u>Area 3 - SFM - East/San Carlos</u>												
41	Single Family	1.41%	1.30%	1.70%	1.94%	2.46%	2.04%	2.00%	1.95%	1.91%	1.88%	1.54%
42	Units - Beginning Units	41,921	42,510	43,062	43,796	44,647	45,745	46,678	47,610	48,540	49,469	50,397
43	Units - Growth (Total)	589	552	734	851	1,098	933	932	930	929	928	774
44	Units - Ending Units	42,510	43,062	43,796	44,647	45,745	46,678	47,610	48,540	49,469	50,397	51,171
45	Units - Average	42,216	42,786	43,429	44,222	45,196	46,212	47,144	48,075	49,005	49,933	50,784
46	Multi-family	4.68%	3.00%	3.18%	1.74%	-0.01%	1.45%	1.42%	1.39%	1.36%	1.33%	1.09%
47	Units - Beginning Units	17,421	18,237	18,785	19,383	19,720	19,718	20,003	20,286	20,567	20,846	21,123
48	Units - Growth (Total)	816	548	598	337	(2)	285	283	281	279	277	230
49	Units - Ending Units	18,237	18,785	19,383	19,720	19,718	20,003	20,286	20,567	20,846	21,123	21,353
50	Units - Average	17,829	18,511	19,084	19,552	19,719	19,861	20,145	20,427	20,707	20,985	21,238
51	Commercial	-0.77%	10.98%	0.85%	1.92%	3.61%	2.01%	1.96%	1.92%	1.88%	1.84%	1.51%
52	Units - Beginning Units (sqft)	43,797,680	43,460,643	48,234,134	48,644,267	49,579,979	51,371,749	52,402,684	53,431,693	54,458,820	55,484,108	56,507,596
53	Units - Growth (Total)	(337,037)	4,773,491	410,133	935,712	1,791,770	1,030,935	1,029,009	1,027,127	1,025,288	1,023,488	854,239
54	Units - Ending Units (sqft)	43,460,643	48,234,134	48,644,267	49,579,979	51,371,749	52,402,684	53,431,693	54,458,820	55,484,108	56,507,596	57,361,836
55	Units - Average (sqft)	43,629,162	45,847,389	48,439,201	49,112,123	50,475,864	51,887,217	52,917,189	53,945,257	54,971,464	55,995,852	56,934,716
56	RV Parks	0.00%	-0.29%	1.16%	-5.43%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
57	Units - Beginning Units	347	347	346	350	331	331	331	331	331	331	331
58	Units - Growth (Total)	-	(1)	4	(19)	-	-	-	-	-	-	-
59	Units - Ending Units	347	346	350	331	331	331	331	331	331	331	331
60	Units - Average	347	347	348	341	331	331	331	331	331	331	331
<u>Area 4 - East/Lehigh/Alva</u>												
61	Single Family	0.71%	1.32%	1.40%	2.37%	2.67%	2.66%	2.61%	2.55%	2.50%	2.45%	2.01%
62	Units - Beginning Units	46,894	47,228	47,852	48,524	49,672	50,996	52,355	53,721	55,093	56,471	57,855
63	Units - Growth (Total)	334	624	672	1,148	1,324	1,359	1,366	1,372	1,378	1,384	1,162
64	Units - Ending Units	47,228	47,852	48,524	49,672	50,996	52,355	53,721	55,093	56,471	57,855	59,017
65	Units - Average	47,061	47,540	48,188	49,098	50,334	51,676	53,038	54,407	55,782	57,163	58,436
66	Multi-family	-0.48%	0.22%	-0.26%	1.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
67	Units - Beginning Units	3,128	3,113	3,120	3,112	3,146	3,146	3,146	3,146	3,146	3,146	3,146
68	Units - Growth (Total)	(15)	7	(8)	34	-	-	-	-	-	-	-
69	Units - Ending Units	3,113	3,120	3,112	3,146	3,146	3,146	3,146	3,146	3,146	3,146	3,146
70	Units - Average	3,121	3,117	3,116	3,129	3,146	3,146	3,146	3,146	3,146	3,146	3,146
71	Commercial	1.15%	-0.46%	1.60%	0.62%	2.09%	1.36%	1.33%	1.30%	1.28%	1.25%	1.03%
72	Units - Beginning Units (sqft)	13,713,178	13,871,344	13,807,965	14,029,558	14,116,413	14,411,368	14,607,475	14,801,976	14,994,917	15,186,344	15,376,297
73	Units - Growth (Total)	158,166	(63,379)	221,593	86,855	294,955	196,107	194,501	192,941	191,426	189,954	157,618
74	Units - Ending Units (sqft)	13,871,344	13,807,965	14,029,558	14,116,413	14,411,368	14,607,475	14,801,976	14,994,917	15,186,344	15,376,297	15,533,915
75	Units - Average (sqft)	13,792,261	13,839,655	13,918,762	14,072,986	14,263,891	14,509,421	14,704,725	14,898,446	15,090,630	15,281,320	15,455,106
76	RV Parks	21.87%	6.19%	0.00%	18.41%	-0.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
77	Units - Beginning Units	663	808	858	858	1,016	1,014	1,014	1,014	1,014	1,014	1,014
78	Units - Growth (Total)	145	50	-	158	(2)	-	-	-	-	-	-
79	Units - Ending Units	808	858	858	1,016	1,014	1,014	1,014	1,014	1,014	1,014	1,014
80	Units - Average	736	833	858	937	1,015	1,014	1,014	1,014	1,014	1,014	1,014

Table 2
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Disposal Facility Assessment Customer Billing Statistics [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<u>Disposal Facility Assessment Units:</u>												
<u>Area 5 - Pine Island/NFM</u>												
81	Single Family	0.72%	0.51%	0.37%	0.78%	0.68%	0.68%	0.67%	0.65%	0.64%	0.62%	0.51%
82	Units - Beginning Units	21,984	22,143	22,256	22,338	22,513	22,666	22,820	22,972	23,122	23,269	23,414
83	Units - Growth (Total)	159	113	82	175	153	154	152	150	147	145	120
84	Units - Ending Units	22,143	22,256	22,338	22,513	22,666	22,820	22,972	23,122	23,269	23,414	23,534
85	Units - Average	22,064	22,200	22,297	22,426	22,590	22,743	22,896	23,047	23,196	23,342	23,474
86	Multi-family	0.01%	-0.01%	0.54%	0.17%	-0.54%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
87	Units - Beginning Units	19,211	19,213	19,212	19,316	19,348	19,243	19,243	19,243	19,243	19,243	19,243
88	Units - Growth (Total)	2	(1)	104	32	(105)	-	-	-	-	-	-
89	Units - Ending Units	19,213	19,212	19,316	19,348	19,243	19,243	19,243	19,243	19,243	19,243	19,243
90	Units - Average	19,212	19,213	19,264	19,332	19,296	19,243	19,243	19,243	19,243	19,243	19,243
91	Commercial	1.02%	1.40%	0.11%	0.36%	-0.50%	0.54%	0.53%	0.52%	0.51%	0.50%	0.41%
92	Units - Beginning Units (sqft)	10,391,478	10,497,698	10,644,493	10,656,024	10,694,138	10,640,328	10,698,163	10,755,170	10,811,352	10,866,339	10,920,510
93	Units - Growth (Total)	106,220	146,795	11,531	38,114	(53,810)	57,835	57,007	56,182	54,987	54,171	44,775
94	Units - Ending Units (sqft)	10,497,698	10,644,493	10,656,024	10,694,138	10,640,328	10,698,163	10,755,170	10,811,352	10,866,339	10,920,510	10,965,285
95	Units - Average (sqft)	10,444,588	10,571,096	10,650,259	10,675,081	10,667,233	10,669,246	10,726,666	10,783,261	10,838,846	10,893,425	10,942,898
96	RV Parks	0.00%	0.05%	0.10%	-1.71%	-6.91%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
97	Units - Beginning Units	1,985	1,985	1,986	1,988	1,954	1,819	1,819	1,819	1,819	1,819	1,819
98	Units - Growth (Total)	-	1	2	(34)	(135)	-	-	-	-	-	-
99	Units - Ending Units	1,985	1,986	1,988	1,954	1,819	1,819	1,819	1,819	1,819	1,819	1,819
100	Units - Average	1,985	1,986	1,987	1,971	1,887	1,819	1,819	1,819	1,819	1,819	1,819
<u>Area 6 - Boca Grande</u>												
101	Single Family	1.22%	0.32%	0.48%	0.48%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%
102	Units - Beginning Units	1,233	1,248	1,252	1,258	1,264	1,266	1,268	1,270	1,272	1,274	1,276
103	Units - Growth (Total)	15	4	6	6	2	2	2	2	2	2	2
104	Units - Ending Units	1,248	1,252	1,258	1,264	1,266	1,268	1,270	1,272	1,274	1,276	1,278
105	Units - Average	1,241	1,250	1,255	1,261	1,265	1,267	1,269	1,271	1,273	1,275	1,277
<u>Area 7 - Outer Islands</u>												
106	Single Family	2.21%	0.79%	0.39%	2.92%	0.00%	0.25%	0.24%	0.24%	0.23%	0.23%	0.19%
107	Units - Beginning Units	497	508	512	514	529	529	530	532	533	534	535
108	Units - Growth (Total)	11	4	2	15	-	1	1	1	1	1	1
109	Units - Ending Units	508	512	514	529	529	530	532	533	534	535	536
110	Units - Average	503	510	513	522	529	530	531	532	534	535	536
111	Commercial	-0.63%	0.76%	0.39%	1.25%	0.10%	0.13%	0.12%	0.12%	0.12%	0.11%	0.09%
112	Units - Beginning Units (sqft)	54,520	54,178	54,590	54,802	55,486	55,543	55,612	55,680	55,747	55,812	55,877
113	Units - Growth (Total)	(342)	412	212	684	57	69	68	67	65	64	53
114	Units - Ending Units (sqft)	54,178	54,590	54,802	55,486	55,543	55,612	55,680	55,747	55,812	55,877	55,929
115	Units - Average (sqft)	54,349	54,384	54,696	55,144	55,515	55,578	55,646	55,714	55,780	55,845	55,903

Table 2
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Disposal Facility Assessment Customer Billing Statistics [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Disposal Facility Assessment Units:												
<u>Area 9 - Ft. Myers</u>												
116	Single Family	4.92%	4.95%	3.64%	4.03%	4.37%	4.26%	4.17%	4.08%	4.00%	3.92%	3.21%
117	Units - Beginning Units	18,192	19,087	20,031	20,761	21,597	22,540	23,500	24,480	25,479	26,497	27,535
118	Units - Growth (Total)	895	944	730	836	943	960	980	999	1,018	1,038	884
119	Units - Ending Units	19,087	20,031	20,761	21,597	22,540	23,500	24,480	25,479	26,497	27,535	28,419
120	Units - Average	18,640	19,559	20,396	21,179	22,069	23,020	23,990	24,979	25,988	27,016	27,977
121	Multi-family	3.26%	0.03%	2.13%	3.67%	8.10%	2.03%	1.98%	1.94%	1.90%	1.86%	1.53%
122	Units - Beginning Units	17,731	18,309	18,314	18,705	19,391	20,961	21,386	21,810	22,234	22,657	23,079
123	Units - Growth (Total)	578	5	391	686	1,570	425	424	424	423	422	353
124	Units - Ending Units	18,309	18,314	18,705	19,391	20,961	21,386	21,810	22,234	22,657	23,079	23,432
125	Units - Average	18,020	18,312	18,510	19,048	20,176	21,174	21,598	22,022	22,446	22,868	23,256
126	Commercial	0.17%	0.41%	1.15%	0.64%	2.89%	0.90%	0.89%	0.87%	0.85%	0.83%	0.68%
127	Units - Beginning Units (sqft)	38,237,624	38,301,761	38,459,942	38,902,709	39,150,934	40,282,189	40,646,604	41,006,409	41,361,756	41,712,793	42,059,658
128	Units - Growth (Total)	64,137	158,181	442,767	248,225	1,131,255	364,415	359,804	355,348	351,037	346,865	286,626
129	Units - Ending Units (sqft)	38,301,761	38,459,942	38,902,709	39,150,934	40,282,189	40,646,604	41,006,409	41,361,756	41,712,793	42,059,658	42,346,283
130	Units - Average (sqft)	38,269,693	38,380,852	38,681,326	39,026,822	39,716,562	40,464,397	40,826,506	41,184,082	41,537,275	41,886,226	42,202,971
131	RV Parks	-9.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
132	Units - Beginning Units	115	104	104	104	104	104	104	104	104	104	104
133	Units - Growth (Total)	(11)	-	-	-	-	-	-	-	-	-	-
134	Units - Ending Units	104	104	104	104	104	104	104	104	104	104	104
135	Units - Average	110	104	104	104	104	104	104	104	104	104	104
<u>Area 10 - Sanibel</u>												
136	Single Family	0.49%	0.76%	0.27%	0.27%	0.39%	0.36%	0.35%	0.34%	0.34%	0.33%	0.27%
137	Units - Beginning Units	4,044	4,064	4,095	4,106	4,117	4,133	4,148	4,162	4,177	4,191	4,205
138	Units - Growth (Total)	20	31	11	11	16	15	15	14	14	14	11
139	Units - Ending Units	4,064	4,095	4,106	4,117	4,133	4,148	4,162	4,177	4,191	4,205	4,216
140	Units - Average	4,054	4,080	4,101	4,112	4,125	4,140	4,155	4,170	4,184	4,198	4,210
141	Multi-family	0.00%	0.00%	0.00%	0.13%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
142	Units - Beginning Units	3,762	3,762	3,762	3,762	3,767	3,768	3,768	3,768	3,768	3,768	3,768
143	Units - Growth (Total)	-	-	-	5	1	-	-	-	-	-	-
144	Units - Ending Units	3,762	3,762	3,762	3,767	3,768	3,768	3,768	3,768	3,768	3,768	3,768
145	Units - Average	3,762	3,762	3,762	3,765	3,768	3,768	3,768	3,768	3,768	3,768	3,768
146	Commercial	-0.52%	0.36%	0.88%	0.36%	1.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
147	Units - Beginning Units (sqft)	1,735,019	1,725,999	1,732,286	1,747,520	1,753,832	1,783,638	1,783,638	1,783,638	1,783,638	1,783,638	1,783,638
148	Units - Growth (Total)	(9,020)	6,287	15,234	6,312	29,806	-	-	-	-	-	-
149	Units - Ending Units (sqft)	1,725,999	1,732,286	1,747,520	1,753,832	1,783,638	1,783,638	1,783,638	1,783,638	1,783,638	1,783,638	1,783,638
150	Units - Average (sqft)	1,730,509	1,729,143	1,739,903	1,750,676	1,768,735	1,783,638	1,783,638	1,783,638	1,783,638	1,783,638	1,783,638
151	RV Parks	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
152	Units - Beginning Units	85	85	85	85	85	85	85	85	85	85	85
153	Units - Growth (Total)	-	-	-	-	-	-	-	-	-	-	-
154	Units - Ending Units	85	85	85	85	85	85	85	85	85	85	85
155	Units - Average	85	85	85	85	85	85	85	85	85	85	85

Table 2
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Disposal Facility Assessment Customer Billing Statistics [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
	Average Disposal Facility Assessment											
156	Single Family	184,832	187,850	190,947	194,442	198,545	202,774	206,963	211,170	215,394	219,637	223,548
157	Multi Family	108,239	109,554	110,845	112,312	113,929	115,247	116,210	117,167	118,117	119,061	119,922
158	Commercial - Sq. Ft.	138,422,278	141,667,661	145,275,252	146,733,799	149,548,420	152,405,641	154,270,779	156,124,628	157,967,324	159,799,174	161,471,863
159	RV Parks	6,941	7,166	7,205	7,231	7,179	7,110	7,110	7,110	7,110	7,110	7,110

Footnote:

- [1] Historical amounts shown are derived from franchise statistical reports, tax roll and other information provided by Department staff. It should be noted that statistics for the City of Cape Coral representing approximately 80,900 residential units and Hendry County customers representing approximately 14,850 residential units as reported per the 2018 U.S. Census estimates are not shown since such customers are not assessed the disposal facility assessment via non-ad valorem assessment, but instead are charged the disposal facility assessment fee by MSTU and tipping fee, respectively.

Table 3
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste Flow Summary by Type of Waste [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
MSW WASTE FLOWS:												
Inbound MSW												
Residential Assessed (Areas 1 - 5) [2]												
1	Delivered Waste Growth	8.42%	7.20%	6.05%	1.77%	7.24%	1.89%	2.21%	1.85%	1.82%	1.79%	1.61%
2	Delivered Waste Tons	138,129	148,081	157,044	159,820	171,385	174,618	178,470	181,775	185,081	188,387	191,424
3	Residential Assessed Units	160,395	162,452	164,682	167,369	170,558	173,817	177,018	180,218	183,416	186,613	189,548
4	Tons Disposed per Unit	0.86	0.91	0.95	0.95	1.00	1.00	1.01	1.01	1.01	1.01	1.01
5	Assessed Waste Growth	1.20%	1.28%	7.71%	7.61%	1.91%	1.91%	13.16%	1.81%	1.77%	1.74%	1.57%
6	Assessed Waste Tons	128,316	129,961	139,980	150,632	153,502	156,435	177,018	180,218	183,416	186,613	189,548
7	Residential Assessed Units	160,395	162,452	164,682	167,369	170,558	173,817	177,018	180,218	183,416	186,613	189,548
8	Tons Assessed per Unit	0.80	0.80	0.85	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
9	Growth	2.79%	0.89%	3.23%	(3.68%)	(5.23%)	1.00%	4.50%	1.00%	1.00%	1.00%	1.00%
10	Commercial / Multi-Family - Delivered	161,553	162,990	168,251	162,055	153,580	155,116	162,096	163,717	165,354	167,008	168,678
11	Growth	(1.80%)	0.85%	7.42%	(1.58%)	(4.86%)	0.67%	3.04%	0.68%	0.69%	0.69%	0.69%
12	Commercial / Multi-Family - Charged	225,184	227,098	243,955	240,100	228,434	229,970	236,950	238,571	240,208	241,862	243,532
13	Growth	7.75%	4.53%	5.16%	(0.18%)	(0.92%)	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
14	Municipalities (Cape Coral, Fort Myers, Sanibel)	142,871	149,336	157,037	156,760	155,319	156,872	158,441	160,025	161,625	163,241	164,873
15	Growth	10.13%	4.97%	8.46%	0.86%	2.90%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
16	Hendry County	31,942	33,531	36,366	36,678	37,744	38,348	38,962	39,585	40,218	40,861	41,515
17	Growth	0.72%	-4.54%	-20.66%	-10.81%	-1.03%	0.00%	0.00%	0.00%	0.00%	171.75%	0.00%
18	Miscellaneous Customers	66,071	63,072	50,040	44,630	44,172	44,172	44,172	44,172	44,172	44,172	44,172
19	Total Garbage / MSW Processed - Growth Tons	28,815	16,444	11,729	(8,796)	2,257	6,927	13,015	7,133	7,176	7,219	6,993
20	Total Garbage / MSW Processed - Delivered Tons	540,566	557,010	568,739	559,943	562,199	569,126	582,141	589,274	596,450	603,669	610,662
21	Total Garbage / MSW Charged - Growth Tons	11,086	8,614	24,381	1,422	(9,630)	6,627	29,746	7,028	7,068	7,110	6,891
22	Total Garbage / MSW Charged - Delivered Tons	594,383	602,997	627,378	628,800	619,170	625,797	655,543	662,571	669,639	676,749	683,640

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Table 3
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste Flow Summary by Type of Waste [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
C&D / CLASS III WASTE FLOWS:												
Inbound C&D / Class III												
23	Growth	6.78%	1.39%	157.67%	(22.83%)	(0.70%)	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
24	Lee County C&D	57,766	58,566	150,911	116,464	115,647	117,497	119,377	121,287	123,228	125,200	127,203
25	Growth	69.19%	19.54%	20.68%	(17.34%)	60.59%	(30.00%)	1.60%	1.60%	1.60%	1.60%	1.60%
26	Hendry County C&D	4,899	5,856	7,068	5,842	9,381	6,567	6,672	6,779	6,887	6,997	7,109
27	Growth	(100.00%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28	Lee County > 30CY C&D	-	-	-	-	-	-	-	-	-	-	-
29	Growth	(100.00%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
30	Hendry County > 30CY C&D	-	-	-	-	-	-	-	-	-	-	-
31	Growth	25.78%	40.53%	48.13%	44.92%	14.37%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
32	Class III	10,130	14,235	21,086	30,559	34,950	35,509	36,077	36,654	37,240	37,836	38,441
33	Total C&D / Class III Processed	72,795	78,658	179,064	152,865	159,978	159,573	162,126	164,720	167,355	170,033	172,753
HORTICULTURAL WASTE FLOWS:												
Inbound Yard Waste												
34	Growth	(3.02%)	(7.15%)	(1.23%)	0.72%	9.48%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
35	Yard Waste - Municipal	36,985	34,342	33,920	34,165	37,404	38,002	38,610	39,228	39,856	40,494	41,142
Residential Assessed (Areas 1 - 5) [2]												
36	Delivered Waste Growth	8.58%	-7.81%	-6.47%	-11.21%	5.58%	16.71%	4.91%	1.62%	1.60%	1.57%	1.42%
37	Delivered Waste Tons	43,744	40,330	37,720	33,492	35,360	41,269	43,297	44,000	44,702	45,403	46,046
38	Residential Assessed Units	160,395	162,452	164,682	167,369	170,558	173,817	177,018	180,218	183,416	186,613	189,548
39	Tons Disposed per Unit	0.27	0.25	0.23	0.20	0.21	0.24	0.24	0.24	0.24	0.24	0.24
40	Assessed Waste Growth	1.20%	1.28%	9.82%	1.63%	1.91%	-16.24%	14.38%	1.81%	1.77%	1.74%	1.57%
41	Assessed Waste Tons	38,495	38,988	42,817	43,516	44,345	37,145	42,484	43,252	44,020	44,787	45,492
42	Residential Assessed Units	160,395	162,452	164,682	167,369	170,558	173,817	177,018	180,218	183,416	186,613	189,548
43	Tons Assessed per Unit	0.24	0.24	0.26	0.26	0.26	0.21	0.24	0.24	0.24	0.24	0.24
44	Growth	0.36%	(5.28%)	78.54%	(18.93%)	31.08%	(20.00%)	1.60%	1.60%	1.60%	1.60%	1.60%
45	Yard Waste - Commercial	21,612	20,471	36,550	29,631	38,841	31,073	31,570	32,075	32,588	33,109	33,639
46	Growth	33.81%	5.03%	4.04%	(20.70%)	5.62%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
47	Yard Waste - Hendry	4,523	4,750	4,942	3,919	4,139	4,205	4,272	4,340	4,409	4,480	4,552
48	Total Yard Waste Processed	106,863	99,893	113,133	101,207	115,744	114,549	117,749	119,643	121,555	123,486	125,379
49	Total Yard Waste Billed	101,614	98,551	118,229	111,231	124,729	110,425	116,936	118,895	120,873	122,870	124,825

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Table 3
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste Flow Summary by Type of Waste [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
SLUDGE WASTE FLOWS:												
	Inbound Sludge											
50	Growth	60.06%	23.91%	(63.20%)	321.91%	(60.25%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
51	Sludge - Lee	5,958	7,383	2,717	11,462	4,556	4,556	4,556	4,556	4,556	4,556	4,556
52	Growth	3.24%	0.00%	6.46%	0.00%	4.48%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
53	Sludge - Lee County Utilities	12,462	12,462	13,268	13,268	13,862	13,862	13,862	13,862	13,862	13,862	13,862
54	Growth	11.03%	(0.21%)	(10.30%)	16.94%	7.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
55	Sludge - City of Fort Myers	25,160	25,108	22,521	26,337	28,250	28,250	28,250	28,250	28,250	28,250	28,250
56	Growth	6.42%	(14.31%)	9.37%	0.00%	2.71%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
57	Sludge - City of Cape Coral	14,142	12,118	13,254	13,254	13,612	13,612	13,612	13,612	13,612	13,612	13,612
58	Growth	14.55%	(15.88%)	24.13%	26.54%	14.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
59	Sludge - Hendry	837	704	874	1,106	1,262	1,262	1,262	1,262	1,262	1,262	1,262
60	Growth	3.78%	(7.10%)	(1.93%)	0.24%	(17.36%)	(100.00%)	0.00%	0.00%	0.00%	0.00%	0.00%
61	Sludge - Collier	5,413	5,028	4,932	4,943	4,085	-	-	-	-	-	-
62	Total Sludge Processed	63,972	62,803	57,564	70,369	65,627	61,542	61,542	61,542	61,542	61,542	61,542
RESIDUE WASTE FLOWS:												
	Inbound Residues											
63	Growth	13.32%	(0.04%)	39.51%	8.27%	(8.05%)	(0.95%)	1.71%	1.68%	1.66%	1.64%	1.54%
64	MRF Residues	12,838	12,832	17,902	19,382	17,821	17,652	17,953	18,255	18,558	18,864	19,155
65	Growth	5.30%	34.72%	(89.55%)	(100.00%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
66	Glass Residues	1,114	1,500	157	-	-	-	-	-	-	-	-
67	Total Residues Processed	13,951	14,332	18,059	19,382	17,821	17,652	17,953	18,255	18,558	18,864	19,155
OIL WASTE FLOWS:												
	Inbound Oil											
68	Growth	(112.70%)	(8.79%)	(4.64%)	(16.10%)	39.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
69	Oil Filters	6	6	5	4	6	6	6	6	6	6	6
70	Growth	149.16%	(52.08%)	(45.24%)	(13.61%)	(24.38%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
71	Oily Waste	157	75	41	36	27	27	27	27	27	27	27
72	Total Oil Waste Processed	163	81	47	40	33	33	33	33	33	33	33
TIRE WASTE FLOWS:												
	Inbound Tires											
73	Growth	(43.38%)	16.98%	21.68%	0.29%	(6.34%)	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
74	Tires - Lee	3,876	4,535	5,518	5,534	5,183	5,266	5,350	5,436	5,523	5,611	5,701
75	Growth	43.28%	(18.23%)	64.19%	1.14%	(1.34%)	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
76	XL Tires - Lee	261	213	350	354	349	355	360	366	372	378	384

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Table 3
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste Flow Summary by Type of Waste [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
77	Growth	28.44%	10.60%	(5.24%)	(15.96%)	38.09%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
78	Tires - Hendry	492	544	516	434	599	608	618	628	638	648	658
79	Growth	(35.45%)	41.55%	4.46%	28.01%	14.66%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
80	XL Tires - Hendry	82	117	122	156	179	182	185	188	191	194	197
81	Total Tires Processed	4,712	5,409	6,506	6,478	6,310	6,411	6,513	6,618	6,724	6,831	6,940
OTHER WASTE FLOWS:												
Inbound Other												
82	Growth	11.93%	(53.92%)	0.26%	16.69%	(62.76%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
83	International Waste (WTE)	50	23	23	27	10	10	10	10	10	10	10
84	Growth	(0.02%)	(0.75%)	65.57%	(58.10%)	(35.55%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
85	Certified Destroy (WTE)	60	60	99	41	27	27	27	27	27	27	27
86	Growth	(6.39%)	(32.45%)	(4.38%)	(41.86%)	35.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
87	Boat/RV (WTE)	220	149	142	83	112	112	112	112	112	112	112
88	Growth	160.01%	(61.51%)	5.65%	21.46%	150.47%	(60.00%)	0.00%	0.00%	0.00%	0.00%	0.00%
89	Sand (WTE)	2,905	1,118	1,181	1,435	3,594	1,438	1,438	1,438	1,438	1,438	1,438
90	Growth	(4.81%)	(73.71%)	81.28%	1532.20%	(89.58%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
91	Asbestos - Lee (WTE)	92	24	44	713	74	74	74	74	74	74	74
92	Growth	229.19%	69.03%	55.06%	158.54%	1.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
93	Contaminated Soil (WTE)	30	51	80	206	209	209	209	209	209	209	209
94	Growth	0.00%	0.00%	0.00%	0.00%	39.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
95	Latex Paint	-	-	-	173	241	241	241	241	241	241	241
94	Total Inbound Other Processed	3,358	1,425	1,569	2,678	4,267	2,110	2,110	2,110	2,110	2,110	2,110
Recycling												
96	Growth	4.27%	(1.86%)	0.17%	(0.73%)	3.60%	3.99%	1.77%	1.73%	1.70%	1.67%	1.51%
97	Franchised Areas	49,565	48,642	48,724	48,369	50,111	52,108	53,032	53,952	54,871	55,789	56,631
98	Growth	3.84%	2.68%	1.92%	0.24%	7.42%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
99	Cities (Cape Coral, Fort Myers, Sanibel)	26,142	26,843	27,358	27,423	29,459	29,931	30,410	30,896	31,390	31,893	32,403
100	Growth	3.06%	(20.89%)	2.67%	(5.51%)	(10.42%)	(48.27%)	1.60%	1.60%	1.60%	1.60%	1.60%
101	Other	9,904	7,835	8,044	7,601	6,809	3,522	3,579	3,636	3,694	3,753	3,813
102	Total Recycled	85,611	83,321	84,127	83,394	86,379	85,561	87,020	88,484	89,955	91,435	92,847

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Table 3
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste Flow Summary by Type of Waste [1]

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
WTE By Products												
103	Growth	5.77%	(8.19%)	10.51%	0.05%	(5.91%)	4.66%	0.00%	0.00%	0.00%	0.00%	0.00%
104	Ash Residue	161,723	148,481	164,084	164,159	154,457	161,650	161,650	161,650	161,650	161,650	161,650
105	Growth	23.46%	(14.99%)	(6.45%)	(11.80%)	22.06%	(12.06%)	0.00%	0.00%	0.00%	0.00%	0.00%
106	Ferrous Scrap	24,303	20,660	19,328	17,048	20,810	18,300	18,300	18,300	18,300	18,300	18,300
107	Growth	20.09%	1.01%	26.71%	(11.23%)	(5.00%)	1.74%	0.00%	0.00%	0.00%	0.00%	0.00%
108	Non-Ferrous Scrap	2,410	2,434	3,084	2,738	2,601	2,646	2,646	2,646	2,646	2,646	2,646
109	Growth	883172.00%	(844508.00%)	(34193.00%)	(4471.00%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
110	Reject	8,832	387	45	-	-	-	-	-	-	-	-
111	Total By Product	197,268	171,962	186,541	183,945	177,868	182,596	182,596	182,596	182,596	182,596	182,596
Landfill Cover / Storage												
112	Growth	0.47%	(15.97%)	25.62%	(17.71%)	6.22%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
113	RSM	12,166	10,224	12,844	10,570	11,228	11,407	11,590	11,775	11,964	12,155	12,349
114	Growth	(34.75%)	343.12%	(92.73%)	2963.26%	(6.90%)	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
115	Rip Rap	1,019	4,516	329	10,064	9,370	9,520	9,672	9,827	9,984	10,144	10,306
116	Growth	100.01%	9.35%	7.66%	(31.49%)	(32.78%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
117	Cover Glass	6,354	6,947	7,479	5,124	3,444	3,444	3,444	3,444	3,444	3,444	3,444
118	Growth	10.80%	(3.86%)	43.05%	8.08%	3.55%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
119	XL Tires	343	330	472	510	528	537	545	554	563	572	581
120	Total Cover	19,882	22,017	21,124	26,268	24,570	24,908	25,252	25,600	25,955	26,315	26,681
Compost												
121	Growth	30.74%	32.42%	17.95%	(46.94%)	(7.52%)	19.02%	0.00%	0.00%	0.00%	0.00%	0.00%
122	Mulch In - LHLF	34,832	46,124	54,403	28,867	26,697	31,775	31,775	31,775	31,775	31,775	31,775
123	Growth	3.04%	5.64%	(46.69%)	87.20%	(7.85%)	31.93%	0.00%	0.00%	0.00%	0.00%	0.00%
124	Compost Out - Tons	25,482	26,919	14,351	26,864	24,756	32,661	32,661	32,661	32,661	32,661	32,661
125	Growth	176.78%	(93.34%)	54.79%	63.52%	(58.69%)	249.54%	25.42%	0.00%	0.00%	0.00%	0.00%
126	Compost Out - CY	4,584	305	473	773	319	1,116	1,400	1,400	1,400	1,400	1,400

Footnotes:

- [1] Historical amounts shown derived from detailed material inbound / outbound reports, franchised statistical reports and facility summary reports as provided by Department staff.
- [2] The County does not dispose of waste from Franchise Area 6 at the County's facilities. For purposes of this table such statistics are not incorporated to present the waste generation statistics for disposal at the County's disposal facilities.

Table 4
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste Flow Summary by Disposal Facility

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Waste-to-Energy Facility [1]												
1	MSW	529,945	533,427	501,481	515,854	519,343	498,353	496,494	494,608	492,697	490,757	488,806
2	C&D	26,819	25,541	39,725	25,734	13,803	91,496	92,959	94,447	95,958	97,494	99,054
3	Class III	10,130	14,235	21,086	30,559	34,950	-	-	-	-	-	-
4	Yard Waste	64,789	48,990	37,612	22,921	9,311	-	-	-	-	-	-
5	Sludge	-	-	-	3,977	36	-	-	-	-	-	-
6	MRF Residue	6,484	5,885	10,422	19,382	17,821	14,207	14,508	14,810	15,114	15,419	15,711
7	Oil	163	81	47	40	33	33	33	33	33	33	33
8	Tires	4,369	5,079	6,034	5,968	5,782	5,874	5,968	6,064	6,161	6,259	6,360
9	Other	308	83	122	242	278	37	37	37	37	37	37
10	Total [2]	643,007	633,321	616,529	624,676	601,357	610,000	610,000	610,000	610,000	610,000	610,000
11	Waste Processing Throughput Capacity						610,000	610,000	610,000	610,000	610,000	610,000
Lee-Hendry Landfill												
12	MSW	10,620	23,582	67,258	44,089	42,856	70,773	85,647	94,666	103,753	112,912	121,856
13	C&D	12,803	20,117	90,385	70,303	85,177	41,712	42,379	43,057	43,746	44,446	45,157
14	Yard Waste	7,242	4,779	21,118	49,419	79,736	82,775	85,974	87,868	89,780	91,711	93,604
15	Sludge	63,972	62,803	57,564	66,392	65,591	61,542	61,542	61,542	61,542	61,542	61,542
16	Tires	-	-	-	-	-	-	-	-	-	-	-
17	Other	3,050	1,342	1,447	2,437	3,989	1,833	1,833	1,833	1,833	1,833	1,833
18	Cover / Storage - RSM / Rip Rap (C&D Recycle)	13,186	14,740	13,172	20,634	20,598	20,927	21,262	21,602	21,948	22,299	22,656
19	Cover / Storage - Cover Glass (MRF)	6,354	6,947	7,479	5,124	3,444	3,444	3,444	3,444	3,444	3,444	3,444
20	Cover / Storage - Large Tires	343	330	472	510	528	537	545	554	563	572	581
21	Mulch	34,832	46,124	54,403	28,867	26,697	31,775	31,775	31,775	31,775	31,775	31,775
22	Ash Residue	161,723	148,481	164,084	164,159	154,457	161,650	161,650	161,650	161,650	161,650	161,650
23	Subtotal Landfilled Tons	314,125	329,246	477,382	451,933	483,073	476,968	496,052	507,991	520,033	532,183	544,097
24	Less: Compost Sludge	(57,924)	(54,201)	(48,061)	(56,115)	(61,092)	(52,839)	(52,839)	(52,839)	(52,839)	(52,839)	(52,839)
25	Less: Compost Mulch	(34,832)	(46,124)	(54,403)	(28,867)	(26,697)	(31,775)	(31,775)	(31,775)	(31,775)	(31,775)	(31,775)
26	Less: Yard Waste for Land Application	N/A	N/A	N/A	N/A	N/A	-	-	-	-	-	-
27	Less: Cover/Storage	(19,882)	(22,017)	(21,124)	(26,268)	(24,570)	(24,908)	(25,252)	(25,600)	(25,955)	(26,315)	(26,681)
28	Less: Contractual Yard Waste Disposal	-	-	-	(48,868)	(79,649)	(82,775)	(85,974)	(87,868)	(89,780)	(91,711)	(93,604)
29	Estimated Net Tonnage to Landfill	201,486	206,904	353,795	291,815	291,064	284,671	300,212	309,908	319,684	329,543	339,197
30	Net Landfilled per Contract Operator	202,218	210,588	353,360	292,793	293,978	284,671	300,212	309,908	319,684	329,543	339,197
31	Variance [2]	732	3,684	(435)	978	2,914	0	0	0	0	0	0
MRF & Other Recycling												
32	Recycling	85,611	83,321	84,127	83,394	86,379	85,561	87,020	88,484	89,955	91,435	92,847
33	C&D Recycling	9,858	4,024	14,696	5,635	5,451	5,438	5,525	5,613	5,703	5,794	5,887
34	Total MRF & Other Recycling	95,470	87,346	98,823	89,029	91,831	90,999	92,545	94,097	95,658	97,229	98,734

Footnotes on Page 2 of 2.

Table 4
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste Flow Summary by Disposal Facility

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
	Horticulture Pad											
35	Yard Waste (For Mulch / Compost)	34,832	46,124	54,403	28,867	26,697	31,775	31,775	31,775	31,775	31,775	31,775
36	Yard Waste - Contract Disposal	-	-	-	48,868	79,649	82,775	85,974	87,868	89,780	91,711	93,604
37	Total Horticulture Pad	34,832	46,124	54,403	77,734	106,346	114,549	117,749	119,643	121,555	123,486	125,379
	By Products											
38	Ferrous Scrap	24,303	20,660	19,328	17,048	20,810	18,300	18,300	18,300	18,300	18,300	18,300
39	Non-Ferrous Scrap	2,410	2,434	3,084	2,738	2,601	2,646	2,646	2,646	2,646	2,646	2,646
40	Total By Products	26,713	23,094	22,412	19,786	23,411	20,946	20,946	20,946	20,946	20,946	20,946
41	Total Tons	1,001,508	996,789	1,145,962	1,103,041	1,114,009	1,121,165	1,141,452	1,154,594	1,167,843	1,181,203	1,194,256
	Transfer Stations [3]											
42	MSW	31,942	33,531	36,366	36,678	37,744	38,348	38,962	39,585	40,218	40,861	41,515
43	C&D	4,899	5,856	7,068	5,842	9,381	6,567	6,672	6,779	6,887	6,997	7,109
44	Yard Waste	4,523	4,750	4,942	3,919	4,139	4,205	4,272	4,340	4,409	4,480	4,552
45	Tires	575	661	638	590	778	790	803	815	829	842	855
46	Recycling	923	852	910	947	1,180	1,180	1,180	1,180	1,180	1,180	1,180
47	Total Transfer Stations	42,861	45,650	49,924	47,976	53,222	51,090	51,889	52,700	53,523	54,360	55,212

Footnotes:

- [1] Based on discussions with the County, any waste received at the Waste-to-Energy facility above 610,000 tons should be assumed to be diverted.
- [2] Variances during the historical period relate to differences in tonnage statistics reporting and were not considered material for purposes of this evaluation.
- [3] The Labelle and Clewiston Transfer Stations are included below total tonnages as waste incoming to the transfer stations are not disposed at these facilities.

Table 5
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Waste-to-Energy (WTE) Operational Statistics

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Performance Statistics:												
1	Design Capacity @ 100% Avail. (Tons)	670,140	670,140	670,140	670,140	670,140	670,140	670,140	670,140	670,140	670,140	670,140
2	Effective Throughput as Percent of Design (%)	95.8%	91.1%	92.6%	92.5%	89.5%	91.0%	91.0%	91.0%	91.0%	91.0%	91.0%
3	Implied Waste Processing Capacity (Tons)	626,163	623,309	622,012	618,454	608,807	610,000	610,000	610,000	610,000	610,000	610,000
4	Weighted Boiler Availability (%)	93.4%	93.0%	92.8%	92.3%	90.8%	93.0%	93.0%	93.0%	93.0%	93.0%	93.0%
5	Weighted Generator Availability (%)	95.9%	94.6%	100.0%	98.6%	98.9%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%
6	Waste Received Before Diversions (Tons)	644,653	645,083	674,438	667,291	644,998	752,166	769,979	780,749	791,604	802,549	813,246
7	Waste By-Pass / Diversions	(2,930)	(23,604)	(67,258)	(44,089)	(43,516)	(142,166)	(159,979)	(170,749)	(181,604)	(192,549)	(203,246)
8	Waste Received (Tons)	641,723	621,479	607,180	623,202	601,482	N/A	N/A	N/A	N/A	N/A	N/A
9	Throughput Waste (Tons)	642,223	610,459	620,677	620,028	599,559	610,000	610,000	610,000	610,000	610,000	610,000
10	Decrease / (Increase) to Inventory (Tons)	500	(11,020)	13,497	(3,174)	(1,923)	N/A	N/A	N/A	N/A	N/A	N/A
11	Inventory (EOFY)	4,195	15,215	1,718	4,893	6,816	N/A	N/A	N/A	N/A	N/A	N/A
12	Process Guarantee (Tons)	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619
13	Guaranteed Waste Delivery (Tons)	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619	569,619
14	Tons Delivered Above Put	72,104	51,860	37,561	53,583	31,863	40,381	40,381	40,381	40,381	40,381	40,381
15	Minimum Put Met (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
16	Waste HHV (Btu/lb)	4,703	4,841	4,833	4,878	4,966	4,850	4,850	4,850	4,850	4,850	4,850
17	Reference Ton Ratio (HHV / 5,000 Btu/lbs)	94.1%	96.8%	96.7%	97.6%	99.3%	97.0%	97.0%	97.0%	97.0%	97.0%	97.0%
18	Reference Waste Processed (Tonsr)	604,075	591,046	599,946	604,899	595,482	591,700	591,700	591,700	591,700	591,700	591,700
Production Statistics Summary:												
19	Total Processed Waste (Tons)	642,223	610,459	620,677	620,028	599,559	610,000	610,000	610,000	610,000	610,000	610,000
20	Total Processed Waste - Reference (Tonsr)	604,075	591,046	599,946	604,899	595,482	591,700	591,700	591,700	591,700	591,700	591,700
21	Total Steam Production (klbs)	3,942,031	3,857,488	3,939,692	3,944,805	3,843,001	3,818,594	3,818,594	3,818,594	3,818,594	3,818,594	3,818,594
22	Steam Production Per Reference Ton (klbs/Tonsr)	6.526	6.527	6.567	6.521	6.454	6.454	6.454	6.454	6.454	6.454	6.454
23	Design Steam Production (klbs)	4,486,929	4,486,929	4,486,929	4,486,929	4,486,929	4,486,929	4,486,929	4,486,929	4,486,929	4,486,929	4,486,929
24	Production as % of Design	87.9%	86.0%	87.8%	87.9%	85.6%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%
25	Gross Electric Production (MWhr)	393,336	376,423	406,733	401,031	380,622	378,205	378,205	378,205	378,205	378,205	378,205
26	Gross Electric per Steam (kWhr/klbs)	99.78	97.58	103.24	101.66	99.04	99.04	99.04	99.04	99.04	99.04	99.04
27	Purchased Electricity (MWhr)	41.0	221.9	2.8	-	93.6	N/A	N/A	N/A	N/A	N/A	N/A
28	Propane Use (mmBTU)	15,832	22,680	22,014	23,882	28,566	N/A	N/A	N/A	N/A	N/A	N/A
29	In-Plant Electricity Use (MWhr)	52,523	55,504	58,073	57,137	57,941	58,000	58,000	58,000	58,000	58,000	58,000
30	Net Electricity Production (MWhr)	340,813	320,919	348,660	343,894	322,681	320,205	320,205	320,205	320,205	320,205	320,205
31	Net Electricity per Ton (kWhr/Ton)	531	526	562	555	538	525	525	525	525	525	525
By-Product Statistics:												
32	Residue - Ash Produced (Tons)	161,723	152,676	163,877	164,159	153,382	161,650	161,650	161,650	161,650	161,650	161,650
33	Percent of Processed Waste (%)	25.2%	25.0%	26.4%	26.5%	25.6%	26.5%	26.5%	26.5%	26.5%	26.5%	26.5%
34	Residue - Ferrous Recovered (Tons)	24,303	20,114	19,311	17,048	20,755	18,300	18,300	18,300	18,300	18,300	18,300
35	Percent of Processed Waste (%)	3.78%	3.29%	3.11%	2.75%	3.46%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
36	Residue - Non-Ferrous Recovered (Tons)	2,410	2,409	3,084	2,738	2,601	2,646	2,646	2,646	2,646	2,646	2,646
37	Percent of Processed Waste (%)	0.38%	0.39%	0.50%	0.44%	0.43%	0.43%	0.43%	0.43%	0.43%	0.43%	0.43%

Table 6
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Projected Assessment and Disposal Fee Revenue Under Existing Rates [1]

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
	<u>REVENUE SUMMARY:</u>						
1	Collection Assessment	\$ 26,663,921	\$ 27,152,215	\$ 27,640,882	\$ 28,129,269	\$ 28,617,592	\$ 29,065,873
2	Early Prepayment Discount (Assessment Only)	(1,066,557)	(1,086,089)	(1,105,635)	(1,125,171)	(1,144,704)	(1,162,635)
3	Net Collection Assessment Revenue	\$ 25,597,364	\$ 26,066,126	\$ 26,535,246	\$ 27,004,098	\$ 27,472,889	\$ 27,903,238
4	Disposal Assessment	\$ 9,446,112	\$ 10,695,505	\$ 10,887,744	\$ 11,079,863	\$ 11,271,952	\$ 11,448,280
5	Early Prepayment Discount	(377,844)	(427,820)	(435,510)	(443,195)	(450,878)	(457,931)
6	Net Disposal Assessment Revenue	\$ 9,068,267	\$ 10,267,685	\$ 10,452,234	\$ 10,636,669	\$ 10,821,074	\$ 10,990,349
7	Disposal Facility Charge per Assessment / Cape Coral MSTU	\$ 10,998,424	\$ 11,521,213	\$ 11,681,613	\$ 11,842,048	\$ 12,002,560	\$ 12,151,331
8	Allocable Assessment Early Prepayment Discount	(439,937)	(460,849)	(467,265)	(473,682)	(480,102)	(486,053)
9	Disposal Facility Charge per Tip Fee (Hendry County)	683,273	693,864	704,611	715,530	726,622	737,903
10	Net Disposal Facility Charge Revenue	\$ 11,241,760	\$ 11,754,228	\$ 11,918,959	\$ 12,083,896	\$ 12,249,079	\$ 12,403,181
11	Recycling Assessment Revenue	\$ 3,311,720	\$ 3,369,759	\$ 3,428,229	\$ 3,486,873	\$ 3,545,831	\$ 3,601,079
12	Early Prepayment Discount	(132,469)	(134,790)	(137,129)	(139,475)	(141,833)	(144,043)
13	Net Disposal Assessment Revenue	\$ 3,179,251	\$ 3,234,968	\$ 3,291,100	\$ 3,347,398	\$ 3,403,998	\$ 3,457,035
14	Assessment Billing Revenue	\$ 720,206	\$ 733,048	\$ 745,334	\$ 757,649	\$ 769,998	\$ 771,797
15	Early Prepayment Discount	(28,808)	(29,322)	(29,813)	(30,306)	(30,800)	(30,872)
16	Net Disposal Assessment Revenue	\$ 691,397	\$ 703,726	\$ 715,521	\$ 727,343	\$ 739,198	\$ 740,925
17	Tip Fee Revenue	\$ 34,918,416	\$ 35,553,533	\$ 35,923,634	\$ 36,298,652	\$ 36,678,769	\$ 37,063,877
18	Total User Fee, Assessment, & MSTU Revenue	\$ 81,517,204	\$ 84,345,298	\$ 85,545,595	\$ 86,750,659	\$ 87,961,008	\$ 89,101,570
19	Annual Change - Amount (\$)	\$ 32,019,260	\$ 2,828,094	\$ 1,200,297	\$ 1,205,064	\$ 1,210,350	\$ 1,140,562
20	Annual Change - Percentage (%)	64.7%	3.5%	1.4%	1.4%	1.4%	1.3%

Footnote:

[1] Calculated tip fee revenues in this table does not recognize application of the proposed increase for the Fiscal Year 2022 and does not recognize additional rate adjustments identified for the remainder of the Forecast Period.

Table 7
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Electric Sales Revenue

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
1	Gross Electrical Production (MWh)	393,336	376,423	406,733	401,031	380,622	378,205	378,205	378,205	378,205	378,205	378,205
2	Total Waste Burned at Resource Recovery Facility	642,223	610,459	620,677	620,028	599,559	610,000	610,000	610,000	610,000	610,000	610,000
Electric Energy Use by Facility:												
3	Waste-to-Energy (WTE) In-Plant Use (MWh)	52,523	55,504	58,073	57,137	57,941	58,000	58,000	58,000	58,000	58,000	58,000
Recovered Material Processing Facility (RMPF / MRF):												
4	Electric Use (MWh)	2,504	2,410	2,575	2,433	2,585	2,561	2,605	2,648	2,692	2,737	2,779
5	Tons Processed (Tons)	85,611	83,321	84,127	83,394	86,379	85,561	87,020	88,484	89,955	91,435	92,847
6	Use per Ton Processed (kWh/Ton)	29	29	31	29	30	30	30	30	30	30	30
7	Seminole Electric Cooperative Inc. (SEC) Use (MWh)	338,309	318,509	346,085	341,461	320,096	317,644	317,600	317,556	317,512	317,468	317,426
8	Total Electric Use (MWh)	393,336	376,423	406,733	401,031	380,622	378,205	378,205	378,205	378,205	378,205	378,205
Electric Energy Sales (\$):												
1) Electric Energy Sales:												
9	Energy Sales	9,004,273	7,884,625	9,324,700	9,488,571	6,092,684	6,670,518	6,669,601	6,668,681	6,667,756	6,666,826	6,665,938
10	Net Rate per MWh						\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00
11	Energy Sales (net of contract sales)						\$6,670,518	\$6,669,601	\$6,668,681	\$6,667,756	\$6,666,826	\$6,665,938
2) SEC - Capacity Payment (Peak Hours):												
12	Days in the Year (Days)	366	365	365	365	366	365	365	365	366	365	365
13	Annual Weighted Average Boiler Availability (%)	93.4%	93.0%	92.8%	92.3%	90.8%	93.0%	93.0%	93.0%	93.0%	93.0%	93.0%
14	Estimated Days Available (Days)	342	339	339	337	333	339	339	339	340	339	339
15	SEC Electric Sales Energy (MWh)	338,309	318,509	346,085	341,461	320,096	317,644	317,600	317,556	317,512	317,468	317,426
16	Average SEC Capacity (MW)	41.2	39.1	42.6	42.2	40.1	39.0	39.0	39.0	38.9	39.0	39.0
17	Outage Bank (22 Days a Year) (MW)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
18	Adjusted Average SEC Capacity (MW)	42.3	40.2	43.6	43.3	41.2	40.1	40.1	40.1	39.9	40.1	40.0
19	Avg. Monthly On-Peak MW to Avg. Total MW Factor	0.895	-	-	-	-	-	-	-	-	-	-
20	Rate per kW Month	\$ 10.09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21	Average Monthly On-Peak Capacity (MW)	37.9	-	-	-	-	-	-	-	-	-	-
22	Capacity Payment	\$ 4,586,513	\$ 1,298,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3) SEC - Renewable Energy Credit:												
23	Energy Sales	-	-	-	-	-	-	-	-	-	-	-
24	Rate per MWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25	4) Regulation Service Charge:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26	5) Gross Electric Sales Revenue	\$ 13,590,786	\$ 9,183,544	\$ 9,324,700	\$ 9,488,571	\$ 6,092,684	\$ 6,670,518	\$ 6,669,601	\$ 6,668,681	\$ 6,667,756	\$ 6,666,826	\$ 6,665,938
Expenses from Electric Sales:												
6) FP&L Expense:												
27	Charges Per MWh Delivered to SEC	\$ 0.442	\$ 0.533	\$ 0.452	\$ 0.385	\$ 0.441	\$ 0.450	\$ 0.450	\$ 0.450	\$ 0.450	\$ 0.450	\$ 0.450
28	Expense	\$ 149,382	\$ 169,801	\$ 156,480	\$ 131,348	\$ 141,061	\$ 142,940	\$ 142,920	\$ 142,900	\$ 142,880	\$ 142,861	\$ 142,842

Table 7
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Electric Sales Revenue

Line No.	Description	Fiscal Year Ended September 30,					Fiscal Year Ending September 30,					
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
29	7) Electric Revenue Sharing with Covanta:											
	a) Gross Electric Sales Less REC Payment	\$ 13,590,786	\$ 9,183,544	\$ 9,324,700	\$ 9,488,571	\$ 6,092,684	\$ 6,670,518	\$ 6,669,601	\$ 6,668,681	\$ 6,667,756	\$ 6,666,826	\$ 6,665,938
30	b) Implied Sales to MRF											
	Net Revenue per MWh (Excluding REC Credits)	\$ 40.17	\$ 28.83	\$ 26.94	\$ 27.79	\$ 19.03	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00
31	Implied Sales to MRF	\$ 100,576	\$ 69,487	\$ 69,390	\$ 67,620	\$ 49,210	\$ 53,779	\$ 54,696	\$ 55,616	\$ 56,541	\$ 57,471	\$ 58,359
32	c) Less FP&L Expenses	\$ (149,382)	\$ (169,801)	\$ (156,480)	\$ (131,348)	\$ (141,061)	\$ (142,940)	\$ (142,920)	\$ (142,900)	\$ (142,880)	\$ (142,861)	\$ (142,842)
33	d) Subtotal Applicable Energy Credit Revenue Sharing	\$ 13,541,980	\$ 9,083,231	\$ 9,237,610	\$ 9,424,843	\$ 6,000,833	\$ 6,581,357	\$ 6,581,377	\$ 6,581,397	\$ 6,581,416	\$ 6,581,436	\$ 6,581,455
34	e) 10% Revenue Sharing (before adjustments)	\$ 1,354,198	\$ 908,323	\$ 923,761	\$ 942,484	\$ 600,083	\$ 658,136	\$ 658,138	\$ 658,140	\$ 658,142	\$ 658,144	\$ 658,146
35	f) Less Credit Due County per 6.04(b)	\$ (41,249)	\$ (41,000)	\$ (43,242)	\$ (65,020)	\$ (55,289)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	e) 10% Revenue Sharing to Covanta	\$ 1,312,949	\$ 867,323	\$ 880,519	\$ 877,464	\$ 544,795	\$ 658,136	\$ 658,138	\$ 658,140	\$ 658,142	\$ 658,144	\$ 658,146
37	8) Net Electric Sales	\$ 12,128,455	\$ 8,146,420	\$ 8,287,701	\$ 8,479,758	\$ 5,406,828	\$ 5,869,442	\$ 5,868,543	\$ 5,867,641	\$ 5,866,734	\$ 5,865,822	\$ 5,864,951

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	2018	Actual 2019	2020	Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	2022	2023	2024	2025	2026
53401 - ROW													
Personnel Services													
1	Salaries - Full Time Regular	\$ 127,912	\$ 12,685	\$ -	\$ -	\$ -	\$ -	Labor	\$ -	\$ -	\$ -	\$ -	\$ -
2	Disaster Pay (1.0)	(2)	2	-	-	-	-	Labor	-	-	-	-	-
3	Special Pay (w/ Retirement)	4	-	-	-	-	-	Labor	-	-	-	-	-
4	Sick Leave	6,495	196	-	-	-	-	Labor	-	-	-	-	-
5	Vacation Leave	11,400	551	-	-	-	-	Labor	-	-	-	-	-
6	Pay-Non-Perm Labor	683	613	-	-	-	-	Labor	-	-	-	-	-
7	Overtime (OT 1.0)	6,904	498	-	-	-	-	Labor	-	-	-	-	-
8	Overtime (OT 1.5)	46,822	4,578	-	-	-	-	Labor	-	-	-	-	-
9	Holiday Pay	6,733	438	-	-	-	-	Labor	-	-	-	-	-
10	Disaster Pay - (OT 1.5)	34	-	-	-	-	-	Labor	-	-	-	-	-
11	Sick Leave Buy Back	52	-	-	-	-	-	Labor	-	-	-	-	-
12	FICA Taxes (OASDI)	12,448	1,189	-	-	-	-	Labor	-	-	-	-	-
13	FICA Taxes (Medicare)	2,911	278	-	-	-	-	Labor	-	-	-	-	-
14	Regular Retirement	17,589	1,623	-	-	-	-	Labor	-	-	-	-	-
15	Health Insurance	51,745	4,438	-	-	-	-	HealthIns	-	-	-	-	-
16	Health Ins Opt Out	48	4	-	-	-	-	HealthIns	-	-	-	-	-
17	Life Insurance	367	35	-	-	-	-	Inflation	-	-	-	-	-
18	Dental Insurance	1,412	127	-	-	-	-	Inflation	-	-	-	-	-
19	Disability Insurance	719	68	-	-	-	-	Inflation	-	-	-	-	-
20	Worker's Comp-(IGS)	7,807	-	-	-	-	-	Labor	-	-	-	-	-
21	Total Personnel Services	\$ 302,085	\$ 27,323	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Operating Expenses													
22	Uniform/Laundry Service	\$ 1,774	\$ 1,287	\$ -	\$ -	\$ -	\$ -	Inflation	\$ -	\$ -	\$ -	\$ -	\$ -
23	Comp Data Proc & Netwk-IGS	3,507	-	-	-	-	-	Inflation	-	-	-	-	-
24	Other Contracted Services	100	-	-	-	-	-	Inflation	-	-	-	-	-
25	Telecommunications	4,501	4,515	-	-	-	-	Inflation	-	-	-	-	-
26	Int. Phone Line (IGS-Var)	707	-	-	-	-	-	Inflation	-	-	-	-	-
27	Trash, Garbage&Sludge Removal	22,756	-	-	-	-	-	DisposalRate	-	-	-	-	-
28	Self Ins Assess-Auto Ins	5,411	-	-	-	-	-	Inflation	-	-	-	-	-
29	Maintenance Material	345	-	-	-	-	-	Repair	-	-	-	-	-
30	Equipment Repair Parts	112	-	-	-	-	-	Repair	-	-	-	-	-
31	Indirect Cost	4,594	-	-	-	-	-	Inflation	-	-	-	-	-
32	Fiscal Support	4,810	-	-	-	-	-	Inflation	-	-	-	-	-
33	Clothing & Wearing Apparel	144	-	-	-	-	-	Inflation	-	-	-	-	-
34	Chem, Insect & Fertilizer	97	194	-	-	-	-	Chemicals	-	-	-	-	-
35	Jani. & Other Maint. Supplies	-	127	-	-	-	-	Inflation	-	-	-	-	-
36	Minor Equipment	95	-	-	-	-	-	Inflation	-	-	-	-	-
37	Other Supplies	473	-	-	-	-	-	Inflation	-	-	-	-	-
38	Total Operating Expense	\$ 49,427	\$ 6,124	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
39	Total ROW Clean Up	\$ 351,511	\$ 33,447	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
53403 Facilities													
Personnel Services													
40	Salaries - Full Time Regular	\$ -	\$ 28,167	\$ 56,374	\$ 70,896	\$ -	\$ 70,896	Labor	\$ 73,023	\$ 75,214	\$ 77,470	\$ 79,794	\$ 82,188
41	Special Pay (w/ Retirement)	-	-	88	-	-	-	Labor	-	-	-	-	-
42	Sick Leave	-	1,347	2,350	-	-	-	Labor	-	-	-	-	-
43	Vacation Leave	-	1,552	2,602	-	-	-	Labor	-	-	-	-	-
44	CPI-Consumer Price Index	-	-	-	2,125	-	2,125	Labor	2,189	2,254	2,322	2,392	2,463
45	Overtime (OT 1.0)	-	-	3,337	-	-	-	Labor	-	-	-	-	-
46	Overtime (OT 1.5)	-	-	2,483	-	-	-	Labor	-	-	-	-	-
47	Holiday Pay	-	1,372	2,745	-	-	-	Labor	-	-	-	-	-
48	FICA Taxes (OASDI)	-	1,968	4,171	4,530	-	4,530	Labor	4,666	4,806	4,950	5,099	5,252
49	FICA Taxes (Medicare)	-	460	976	1,059	-	1,059	Labor	1,091	1,123	1,157	1,192	1,228
50	Regular Retirement	-	2,700	6,273	7,302	-	7,302	Labor	7,521	7,747	7,979	8,218	8,465
51	Health Insurance	-	6,027	22,080	26,306	-	26,306	HealthIns	27,227	28,180	29,166	30,187	31,243
52	Health Ins Opt Out	-	-	-	6	-	6	HealthIns	6	6	7	7	7
53	Life Insurance	-	87	130	125	-	125	Inflation	128	130	133	137	140
54	Dental Insurance	-	178	555	587	-	587	Inflation	599	612	626	641	656
55	Disability Insurance	-	157	310	350	-	350	Inflation	357	365	373	382	391

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
56	Worker's Comp-(IGS)	-	1,939	10,042	10,042	-	10,042	Labor	10,343	10,654	10,973	11,302	11,641
57	Other Post-Employment Benefits (OPEB)	-	-	-	-	425	425	Labor	437	451	464	478	492
58	Total Personnel Services	\$ -	\$ 45,953	\$ 114,516	\$ 123,328	\$ 425	\$ 123,753		\$ 127,586	\$ 131,541	\$ 135,621	\$ 139,828	\$ 144,167
Operating Expenses													
59	Other Professional Services	\$ -	\$ 30,993	\$ 24,167	20,000	-	20,000	Inflation	\$ 20,400	\$ 20,849	\$ 21,328	\$ 21,840	\$ 22,364
60	Janitorial Services	-	21,164	37,069	-	-	-	Inflation	-	-	-	-	-
61	Data Processing	-	3,087	3,825	-	-	-	Inflation	-	-	-	-	-
62	Other Contracted Services	-	101,789	111,185	220,000	-	220,000	Inflation	224,400	229,337	234,612	240,242	246,008
63	Out-of-County Travel	-	780	-	3,000	-	3,000	Inflation	3,060	3,127	3,199	3,276	3,355
64	Telecommunications	-	20	3,137	2,700	-	2,700	Inflation	2,754	2,815	2,879	2,948	3,019
65	Other Equipment Rental	-	6,452	21,638	-	-	-	Inflation	-	-	-	-	-
66	Rental & Lease (<12 mos, <\$5,000)	-	-	-	20,000	-	20,000	Inflation	20,400	20,849	21,328	21,840	22,364
67	Self Ins Assess-Auto Ins	-	746	-	1,404	-	1,404	Inflation	1,432	1,464	1,497	1,533	1,570
68	Building Maintenance	-	20,288	15,645	-	-	-	Repair	-	-	-	-	-
69	Maintenance Material	-	42,931	68,610	-	-	-	Repair	-	-	-	-	-
70	Vehicle Maintenance	-	-	2,165	-	-	-	Repair	-	-	-	-	-
71	Equipment Maintenance	-	36,849	52,353	-	-	-	Repair	-	-	-	-	-
72	Equipment Repair Parts	-	27,096	34,643	-	-	-	Repair	-	-	-	-	-
73	Repair & Maint. - Services & Labor	-	-	-	50,000	-	50,000	Repair	51,555	53,158	54,812	56,516	58,274
74	Repairs & Maint. - Parts	-	-	-	120,000	-	120,000	Repair	123,732	127,580	131,548	135,639	139,857
75	Horticultural	-	1,133	-	-	-	-	Inflation	-	-	-	-	-
76	Internal Repair & Maint.	-	19,531	1,913	-	-	-	Repair	-	-	-	-	-
77	Pmtng. Bndng & Copy Ext	-	17	-	-	-	-	Inflation	-	-	-	-	-
78	License, Permit & Appl. Fee	-	185	-	185	-	185	Inflation	189	193	197	202	207
79	Gen. Office Supplies	-	280	99	-	-	-	Inflation	-	-	-	-	-
80	Fuel and Lubricants	-	145	166	-	-	-	Fuel	-	-	-	-	-
81	Medical Supplies & Drugs	-	470	861	-	-	-	Inflation	-	-	-	-	-
82	Clothing & Wearing Apparel	-	1,246	2,530	-	-	-	Inflation	-	-	-	-	-
83	Chem. Insect & Fertilizer	-	72	414	-	-	-	Chemicals	-	-	-	-	-
84	Jani. & Other Maint. Supplies	-	6,839	14,322	-	-	-	Inflation	-	-	-	-	-
85	Minor Equipment	-	20,129	35,948	25,000	-	25,000	Inflation	25,500	26,061	26,660	27,300	27,955
86	Other Supplies	-	3,206	4,587	15,000	-	15,000	Inflation	15,300	15,637	15,996	16,380	16,773
87	Cement and Concrete	-	752	4,498	-	-	-	Inflation	-	-	-	-	-
88	Other Road Materials	-	-	411	5,000	-	5,000	Inflation	5,100	5,212	5,332	5,460	5,591
89	Reference Materials	-	56	83	-	-	-	Inflation	-	-	-	-	-
90	Educational Expenses	-	-	689	14,400	-	14,400	Inflation	14,688	15,011	15,356	15,725	16,102
91	Training/Seminars/Bus. Meeting	-	2,795	250	-	-	-	Inflation	-	-	-	-	-
92	Furniture and Equipment	-	-	76,308	-	-	-	Eliminate	-	-	-	-	-
93	Vehicle & Rolling Stock	-	-	-	68,000	(68,000)	-	Eliminate	-	-	-	-	-
94	Total Operating Expense	\$ -	\$ 349,053	\$ 517,516	\$ 564,689	\$ (68,000)	\$ 496,689		\$ 508,510	\$ 521,292	\$ 534,746	\$ 548,903	\$ 563,441
95	Total Facilities	\$ -	\$ 395,006	\$ 632,031	\$ 688,017	\$ (67,575)	\$ 620,442		\$ 636,096	\$ 652,833	\$ 670,367	\$ 688,731	\$ 707,608
53404 - Operations/Solid Waste Management													
Personnel Services													
96	Salaries - Full Time Regular	\$ 412,709	\$ 506,046	\$ 483,744	\$ 591,013	-	591,013	Labor	\$ 608,743	\$ 627,006	\$ 645,816	\$ 665,190	\$ 685,146
97	Special Pay (w/ Retirement)	0	27	83	-	-	-	Labor	-	-	-	-	-
98	Sick Leave	15,724	21,334	28,715	-	-	-	Labor	-	-	-	-	-
99	Vacation Leave	34,429	34,191	45,075	-	-	-	Labor	-	-	-	-	-
100	CPI-Consumer Price Index	-	-	-	17,729	-	17,729	Labor	18,261	18,809	19,373	19,954	20,553
101	Overtime (OT 1.0)	4,872	1,582	3,538	-	-	-	Labor	-	-	-	-	-
102	Overtime (OT 1.5)	46,397	7,626	19,345	-	-	-	Labor	-	-	-	-	-
103	Holiday Pay	20,424	24,852	25,022	-	-	-	Labor	-	-	-	-	-
104	Disaster Pay - (OT 1.5)	516	-	-	-	-	-	Labor	-	-	-	-	-
105	Disaster Pay (1.0)	(109)	-	-	-	-	-	Labor	-	-	-	-	-
106	Sick Leave Buy Back	224	-	-	-	-	-	Labor	-	-	-	-	-
107	FICA Taxes (OASDI)	31,951	35,492	36,066	37,742	-	37,742	Labor	38,874	40,040	41,242	42,479	43,753
108	FICA Taxes (Medicare)	7,473	8,300	8,435	8,828	-	8,828	Labor	9,093	9,366	9,647	9,936	10,234
109	Regular Retirement	45,164	53,489	61,213	68,012	-	68,012	Labor	70,052	72,154	74,319	76,548	78,845
110	Senior Management Retirement	2,778	-	-	-	-	-	Labor	-	-	-	-	-
111	Health Insurance	136,319	164,620	191,435	210,753	-	210,753	HealthIns	218,129	225,764	233,666	241,844	250,308
112	Health Ins Opt Out	108	108	17	12	-	12	HealthIns	12	13	13	14	14
113	Life Insurance	1,227	1,411	1,186	1,016	-	1,016	Inflation	1,036	1,059	1,083	1,109	1,136

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
114	Dental Insurance	3,702	4,250	4,560	4,557	-	4,557	Inflation	4,648	4,750	4,860	4,976	5,096
115	Disability Insurance	2,292	2,774	2,831	2,922	-	2,922	Inflation	2,980	3,046	3,116	3,191	3,267
116	Worker's Comp-(IGS)	17,561	19,393	20,084	20,084	-	20,084	Labor	20,687	21,307	21,946	22,605	23,283
117	Other Post-Employment Benefits (OPEB)	-	-	-	-	3,315	3,315	Labor	3,415	3,517	3,623	3,731	3,843
118	Total Personnel Services	\$ 783,760	\$ 885,495	\$ 931,348	\$ 962,668	\$ 3,315	\$ 965,983		\$ 995,932	\$ 1,026,831	\$ 1,058,703	\$ 1,091,578	\$ 1,125,479
Operating Expenses													
119	Legal Services	\$ 9,889	\$ -	\$ 8,074	\$ -	\$ -	\$ -	Inflation	\$ -	\$ -	\$ -	\$ -	\$ -
120	Financial Services	1,500	-	-	1,500	-	1,500	Inflation	1,530	1,564	1,600	1,638	1,677
121	Architect and Engin. Servc	44,219	9,058	22,190	50,000	-	50,000	Inflation	51,000	52,122	53,321	54,601	55,911
122	Other Professional Services	88,384	122,759	47,113	-	-	-	Inflation	-	-	-	-	-
123	Comp Data Proc & Netwk-IGS	63,126	74,000	61,312	68,119	-	68,119	Inflation	69,481	71,010	72,643	74,387	76,172
124	Data Processing	317	-	955	-	-	-	Inflation	-	-	-	-	-
125	Other Contracted Services	236,505	55,884	836,900	132,000	-	132,000	Inflation	134,640	137,602	140,767	144,145	147,605
126	Hauler Collection	24,024,426	24,644,588	24,690,641	26,934,016	(180,753)	26,753,263	Calculated	27,780,666	28,838,318	29,927,431	31,048,523	32,114,994
127	Local Travel - Class C	333	69	-	100	-	100	Inflation	102	104	107	109	112
128	Bridge Tickets & Passes	6	-	6	-	-	-	Inflation	-	-	-	-	-
129	Out-of-County Travel	-	774	-	1,625	-	1,625	Inflation	1,658	1,694	1,733	1,775	1,817
130	Telecommunications	9,616	14,093	9,161	10,500	-	10,500	Inflation	10,710	10,946	11,197	11,466	11,741
131	Advertising	7,200	-	-	-	-	-	Inflation	-	-	-	-	-
132	Int. Phone Line (IGS-Var)	15,791	18,256	18,012	15,048	-	15,048	Inflation	15,349	15,687	16,047	16,433	16,827
133	Int. Phone Usage (IGS-Var)	-	106	-	106	-	106	Inflation	108	110	113	116	119
134	Freight, Postage & Courier Svc	1,658	808	857	2,000	-	2,000	Inflation	2,040	2,085	2,133	2,184	2,236
135	Water and Sewer	1,052	1,657	1,083	-	-	-	W&S	-	-	-	-	-
136	All Utility Services	-	-	-	1,500	-	1,500	DisposalRate	1,545	1,591	1,639	1,688	1,739
137	Self Ins Assess-Auto Ins	4,735	1,678	-	2,528	-	2,528	Inflation	2,579	2,635	2,696	2,761	2,827
138	Maintenance Material	66	-	-	-	-	-	Repair	-	-	-	-	-
139	Equipment Maintenance	-	1,519	2,006	-	-	-	Repair	-	-	-	-	-
140	Equipment Repair Parts	322	-	34	-	-	-	Repair	-	-	-	-	-
141	Repair & Maint. - Services & Labor	-	-	-	2,220	-	2,220	Inflation	2,264	2,314	2,367	2,424	2,482
142	Internal Repair & Maint.	3,920	2,958	3,814	4,800	-	4,800	Repair	4,949	5,103	5,262	5,426	5,594
143	Prntng, Bndng & Copy Ext	102	2,180	152	300	-	300	Inflation	306	313	320	328	335
144	Deputy Clerk Fees	230	350	50	-	-	-	Inflation	-	-	-	-	-
145	Indirect Cost	258,584	270,474	345,788	377,097	-	377,097	Labor	388,410	400,062	412,064	424,426	437,159
146	Fiscal Support	11,691	17,039	17,550	18,168	-	18,168	Inflation	18,531	18,939	19,375	19,840	20,316
147	License, Permit & Appl.Fee	10,733	737	-	2,000	-	2,000	Inflation	2,040	2,085	2,133	2,184	2,236
148	Gen. Office Supplies	14,915	16,675	17,150	18,000	-	18,000	Inflation	18,360	18,764	19,195	19,656	20,128
149	Clothing & Wearing Apparel	642	269	480	-	-	-	Inflation	-	-	-	-	-
150	Jani. & Other Maint. Supplies	351	171	123	-	-	-	Inflation	-	-	-	-	-
151	Minor Equipment	11,682	10,902	-	18,000	-	18,000	Inflation	18,360	18,764	19,195	19,656	20,128
152	Other Supplies	844	231	150	1,700	-	1,700	Inflation	1,734	1,772	1,813	1,856	1,901
153	Reference Materials	19	745	-	100	-	100	Inflation	102	104	107	109	112
154	Memberships	283	2,304	648	5,000	-	5,000	Inflation	5,100	5,212	5,332	5,460	5,591
155	Training/Seminars/Bus. Meeting	1,300	1,190	2,650	1,500	-	1,500	Inflation	1,530	1,564	1,600	1,638	1,677
153	Intangible Asset - Software	-	-	-	250,000	(250,000)	-	Eliminate	-	-	-	-	-
156	Grants/Aid to Local Governments	545,533	554,822	551,561	560,000	-	560,000	Pop	572,043	700,150	714,586	729,021	741,090
157	Assessment Billing	-	-	-	-	691,397	691,397	Calculated	703,726	715,521	727,343	739,198	740,925
158	Total Operating Expenses	\$ 25,369,973	\$ 25,826,297	\$ 26,638,459	\$ 28,477,927	\$ 260,645	\$ 28,738,572		\$ 29,808,863	\$ 31,026,135	\$ 32,162,118	\$ 33,331,047	\$ 34,433,453
159	Total Operations/Solid Waste Management	\$ 26,153,733	\$ 26,711,792	\$ 27,569,807	\$ 29,440,595	\$ 263,960	\$ 29,704,555		\$ 30,804,795	\$ 32,052,966	\$ 33,220,821	\$ 34,422,625	\$ 35,558,932
53406 - Recycling													
Personnel Services													
160	Salaries - Full Time Regular	\$ 458,161	\$ 423,749	\$ 147,929	\$ 155,097	\$ -	155,097	Labor	\$ 159,750	\$ 164,542	\$ 169,479	\$ 174,563	\$ 179,800
161	Salaries - PT Regular	1,118	4,904	153	-	-	-	Labor	-	-	-	-	-
162	Special Pay (w/ Retirement)	6	92	42	-	-	-	Labor	-	-	-	-	-
163	Sick Leave	15,192	24,296	4,963	-	-	-	Labor	-	-	-	-	-
164	Vacation Leave	35,983	32,567	10,397	-	-	-	Labor	-	-	-	-	-
165	CPI-Consumer Price Index	-	-	-	4,651	-	4,651	Labor	4,791	4,934	5,082	5,235	5,392
166	Pay-Non-Perm Labor	413	4,604	799	24,000	-	24,000	Labor	24,720	25,462	26,225	27,012	27,823
167	Overtime (OT 1.0)	6,129	6,393	1,649	4,000	-	4,000	Labor	4,120	4,244	4,371	4,502	4,637
168	Overtime (OT 1.5)	47,512	21,428	4,790	5,000	-	5,000	Labor	5,150	5,305	5,464	5,628	5,796
169	Holiday Pay	22,836	22,023	6,840	-	-	-	Labor	-	-	-	-	-
170	Disaster Pay - (OT 1.5)	263	-	-	-	-	-	Labor	-	-	-	-	-

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
171	Disaster Pay (1.0)	(144)	-	-	-	-	-	Labor	-	-	-	-	-
172	Sick Leave Buy Back	116	-	-	-	-	-	Labor	-	-	-	-	-
173	FICA Taxes (OASDI)	35,266	32,092	10,531	9,906	-	9,906	Labor	10,203	10,509	10,825	11,149	11,484
174	FICA Taxes (Medicare)	8,248	7,554	2,475	2,318	-	2,318	Labor	2,388	2,459	2,533	2,609	2,687
175	Regular Retirement	53,366	48,525	15,779	15,974	-	15,974	Labor	16,453	16,947	17,455	17,979	18,518
176	Senior Management Retirement	926	-	-	-	-	-	Labor	-	-	-	-	-
177	Health Insurance	134,437	138,755	46,150	49,257	-	49,257	HealthIns	50,981	52,765	54,612	56,524	58,502
178	Health Ins Opt Out	126	132	12	6	-	6	HealthIns	6	6	7	7	7
179	Life Insurance	1,301	1,182	320	268	-	268	Inflation	273	279	286	293	300
180	Dental Insurance	3,749	3,684	1,079	1,030	-	1,030	Inflation	1,051	1,074	1,098	1,125	1,152
181	Disability Insurance	2,482	2,394	770	766	-	766	Inflation	781	799	817	836	857
182	Worker's Comp-(IGS)	19,512	17,454	8,033	8,033	-	8,033	Labor	8,274	8,522	8,778	9,041	9,312
183	Other Post-Employment Benefits (OPEB)	-	-	-	-	965	965	Labor	994	1,024	1,055	1,087	1,119
184	Total Personnel Services	\$ 846,998	\$ 791,827	\$ 262,710	\$ 280,306	\$ 965	\$ 281,271		\$ 289,935	\$ 298,871	\$ 308,086	\$ 317,589	\$ 327,386
Operating Expenses													
185	Other Professional Services	\$ 42,990	\$ 20,260	\$ 32,660	\$ 85,000	\$ -	\$ 85,000	Inflation	\$ 86,700	\$ 88,607	\$ 90,645	\$ 92,821	\$ 95,049
186	Comp Data Proc & Netwk-IGS	7,014	-	-	-	-	-	Inflation	-	-	-	-	-
187	Data Processing	1,138	542	542	900	-	900	Inflation	918	938	960	983	1,006
188	Other Contracted Services	-	-	4,101,508	101,231	-	101,231	Inflation	103,256	105,527	107,954	110,545	113,198
189	Other Contracted Services - Republic	113,931	4,010,868	-	5,012,000	(1,062,399)	3,949,601	Calculated	4,155,592	4,383,587	4,628,925	4,816,600	5,162,662
190	Local Travel - Class C	-	152	-	300	-	300	Inflation	306	313	320	328	335
191	Out-of-County Travel	428	968	-	1,500	-	1,500	Inflation	1,530	1,564	1,600	1,638	1,677
192	Telecommunications	880	690	1,250	1,350	-	1,350	Inflation	1,377	1,407	1,440	1,474	1,510
193	Advertising	21,765	10,070	3,515	-	-	-	Inflation	-	-	-	-	-
194	Int. Phone Line (IGS-Var)	9,192	7,923	7,524	6,897	-	6,897	Inflation	7,035	7,190	7,355	7,532	7,712
195	Int. Phone Usage (IGS-Var)	39	-	-	-	-	-	Inflation	-	-	-	-	-
196	Freight, Postage & Courier Svc	225	-	-	-	-	-	Inflation	-	-	-	-	-
197	Vehicle Rental	340	270	1,545	-	-	-	Inflation	-	-	-	-	-
198	Trash, Garbage&Sludge Removal	472,528	944,508	848,214	-	-	-	DisposalRate	-	-	-	-	-
199	All Utility Services	-	-	-	960,000	-	960,000	DisposalRate	988,800	1,018,464	1,049,018	1,080,488	1,112,903
200	Self Ins Assess-Auto Ins	4,735	1,305	-	1,966	-	1,966	Inflation	2,005	2,049	2,097	2,147	2,198
201	Self Ins Assess-Prop Ins	47,398	59,550	-	58,025	-	58,025	Inflation	59,186	60,488	61,879	63,364	64,885
202	Building Maintenance	17,820	-	-	-	-	-	Repair	-	-	-	-	-
203	Maintenance Material	19	-	-	-	-	-	Repair	-	-	-	-	-
204	Equipment Maintenance	650	-	-	-	-	-	Repair	-	-	-	-	-
205	Equipment Repair Parts	-	43,846	-	-	-	-	Repair	-	-	-	-	-
206	Repair & Maint. - Services & Labor	-	-	-	14,000	-	14,000	Repair	14,435	14,884	15,347	15,825	16,317
207	Internal Repair & Maint.	-	100	-	-	-	-	Repair	-	-	-	-	-
208	Prntng, Bndng & Copy Ext	32,072	26,348	24,969	35,000	-	35,000	Inflation	35,700	36,485	37,325	38,220	39,138
209	Promo. Advertising & Expenses	71,568	213,170	166,982	98,500	-	98,500	Inflation	100,470	102,680	105,042	107,563	110,145
210	Indirect Cost	14,833	15,515	19,835	21,631	-	21,631	Inflation	22,064	22,549	23,068	23,621	24,188
211	Fiscal Support	6,525	11,820	12,175	12,604	-	12,604	Inflation	12,856	13,139	13,441	13,764	14,094
212	License,Permit & Appl.Fee	-	-	4,171	-	-	-	Inflation	-	-	-	-	-
213	Gen. Office Supplies	110	-	-	-	-	-	Inflation	-	-	-	-	-
214	Clothing & Wearing Apparel	-	150	-	-	-	-	Inflation	-	-	-	-	-
215	Jani. & Other Maint. Supplies	8	-	-	-	-	-	Inflation	-	-	-	-	-
216	Minor Equipment	125,282	150,416	177,406	179,000	-	179,000	Calculated	212,359	216,895	221,745	227,138	194,358
217	Other Supplies	45	-	-	500	-	500	Inflation	510	521	533	546	559
218	Reference Materials	391	299	180	500	-	500	Inflation	510	521	533	546	559
219	Memberships	1,472	1,413	981	1,650	-	1,650	Inflation	1,683	1,720	1,760	1,802	1,845
220	Educational Expenses	200	-	138	-	-	-	Inflation	-	-	-	-	-
221	Training/Seminars/Bus. Meeting	4,025	5,567	1,170	2,750	-	2,750	Inflation	2,805	2,867	2,933	3,003	3,075
222	Furniture and Equipment	-	-	-	1,500	(1,500)	-	Eliminate	-	-	-	-	-
223	Aids to Priv. Organizations	85,000	85,000	85,000	85,000	-	85,000	Constant	85,000	85,000	85,000	85,000	85,000
224	County-Sponsored Functions	-	8,000	22,500	21,500	-	21,500	Inflation	21,930	22,412	22,928	23,478	24,042
225	Grants/Aid to Local Governments	204,515	1,381	-	-	-	-	Calculated	-	-	-	-	-
226	Total Operating Expenses	\$ 1,287,136	\$ 5,620,131	\$ 5,512,265	\$ 6,703,304	\$ (1,063,899)	\$ 5,639,405		\$ 5,917,027	\$ 6,189,809	\$ 6,481,846	\$ 6,718,426	\$ 7,076,455
227	Total Recycling	\$ 2,134,134	\$ 6,411,957	\$ 5,774,975	\$ 6,983,610	\$ (1,062,933)	\$ 5,920,677		\$ 6,206,962	\$ 6,488,681	\$ 6,789,933	\$ 7,036,014	\$ 7,403,841

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget	Adjustments	Adjusted	Escalation Reference	Fiscal Year Ending September 30.				
		2018	2019	2020	2021		2021		2022	2023	2024	2025	2026
53408- Disposal													
Personnel Services													
228	Salaries - Full Time Regular	\$ 1,280,106	\$ 1,555,887	\$ 3,032,643	\$ 3,606,202	\$ -	\$ 3,606,202	Labor	\$ 3,714,388	\$ 3,825,820	\$ 3,940,594	\$ 4,058,812	\$ 4,180,576
229	Salaries - PT Regular	3,353	14,711	22,538	25,751	-	25,751	Labor	26,524	27,319	28,139	28,983	29,852
230	Disaster Pay (1.0)	(429)	-	-	-	-	-	Labor	-	-	-	-	-
231	Special Pay (w/ Retirement)	8	322	981	-	-	-	Labor	-	-	-	-	-
232	Sick Leave	52,715	75,840	118,247	-	-	-	Labor	-	-	-	-	-
233	Vacation Leave	78,590	95,936	170,309	-	-	-	Labor	-	-	-	-	-
234	CPI-Consumer Price Index	-	-	-	108,955	-	108,955	Labor	112,224	115,590	119,058	122,630	126,309
235	Pay-Non-Perm Labor	3,771	21,342	3,392	-	-	-	Labor	-	-	-	-	-
236	Pay-Non-Perm Labor	3,771	21,342	-	10,800	-	10,800	Labor	11,124	11,458	11,801	12,155	12,520
237	Overtime (OT 1.0)	59,335	64,232	108,995	43,750	-	43,750	Labor	45,063	46,414	47,807	49,241	50,718
238	Overtime (OT 1.5)	356,653	271,798	372,173	400,000	-	400,000	Labor	412,000	424,360	437,091	450,204	463,710
239	Holiday Pay	62,981	75,610	146,596	-	-	-	Labor	-	-	-	-	-
240	Disaster Pay - (OT 1.5)	400	-	-	-	-	-	Labor	-	-	-	-	-
241	Sick Leave Buy Back	497	-	423	-	-	-	Labor	-	-	-	-	-
242	FICA Taxes (OASDI)	114,722	131,037	240,837	222,663	-	222,663	Labor	229,343	236,223	243,310	250,609	258,127
243	FICA Taxes (Medicare)	26,830	30,648	56,379	52,086	-	52,086	Labor	53,649	55,258	56,916	58,623	60,382
244	Regular Retirement	155,530	186,901	355,928	365,003	-	365,003	Labor	375,953	387,232	398,849	410,814	423,139
245	Senior Management Retirement	3,704	-	21,759	-	-	-	Labor	-	-	-	-	-
246	Health Insurance	403,957	534,125	1,002,554	1,136,869	-	1,136,869	HealthIns	1,176,659	1,217,842	1,260,467	1,304,583	1,350,244
247	Health Ins Opt Out	1,686	1,657	2,955	2,700	-	2,700	HealthIns	2,795	2,892	2,994	3,098	3,207
248	Life Insurance	3,833	4,172	8,184	7,156	-	7,156	Inflation	7,299	7,460	7,631	7,814	8,002
249	Dental Insurance	11,924	14,808	26,647	26,860	-	26,860	Inflation	27,397	28,000	28,644	29,331	30,035
250	Disability Insurance	6,804	8,499	16,520	17,235	-	17,235	Inflation	17,580	17,966	18,380	18,821	19,272
251	Worker's Comp-(IGS)	68,294	77,572	128,534	128,534	-	128,534	Labor	132,390	136,362	140,453	144,666	149,006
252	Other Post-Employment Benefits (OPEB)	-	-	-	-	21,196	21,196	Labor	21,832	22,487	23,161	23,856	24,572
253	Total Personnel Services	\$ 2,699,035	\$ 3,186,436	\$ 5,836,593	\$ 6,154,564	\$ 21,196	\$ 6,175,760		\$ 6,366,218	\$ 6,562,684	\$ 6,765,294	\$ 6,974,242	\$ 7,189,672
Operating Expenses													
254	Legal Services	\$ 23,606	\$ 12,137	\$ -	\$ -	\$ -	\$ -	Inflation	\$ -	\$ -	\$ -	\$ -	\$ -
255	Financial Services	77,351	89,308	116,471	120,000	-	120,000	Inflation	122,400	125,093	127,970	131,041	134,186
256	Architect and Engin. Serve	516,394	498,559	759,195	575,000	-	575,000	Inflation	586,500	599,403	613,189	627,906	642,976
257	Architect and Engin. Servc	-	-	9,510	155,000	-	155,000	Inflation	158,100	161,578	165,294	169,262	173,324
258	Other Professional Services	69,368	134,693	270,556	-	-	-	Inflation	-	-	-	-	-
259	Other Professional Services	-	-	55,324	10,000	-	10,000	Inflation	10,200	10,424	10,664	10,920	11,182
260	Janitorial Services	4,673	1,580	2,620	-	-	-	Inflation	-	-	-	-	-
261	Uniform/Laundry Service	6,396	5,969	6,237	-	-	-	Inflation	-	-	-	-	-
262	Comp Data Proc & Netwk-IGS	59,619	118,400	95,800	168,294	-	168,294	Inflation	171,660	175,436	179,471	183,779	188,189
263	Data Processing	7,677	19,531	7,698	8,700	-	8,700	Inflation	8,874	9,069	9,278	9,500	9,728
264	Other Contracted Services	30,278,465	30,211,663	30,286,633	8,364	-	8,364	Repair	8,624	8,892	9,169	9,454	9,748
265	Covanta Operation	N/A	N/A	N/A	29,728,703	(1,140,225)	28,588,478	Calculated	29,246,923	30,015,361	30,801,266	31,601,407	32,431,441
266	Yard Waste Processing	N/A	N/A	N/A	2,400,000	430,796	2,830,796	Calculated	2,924,290	2,979,634	3,035,497	3,091,919	3,147,229
267	Local Travel - Class C	764	290	851	-	-	-	Inflation	-	-	-	-	-
268	Bridge Tickets & Passes	10	6	-	-	-	-	Inflation	-	-	-	-	-
269	Out-of-County Travel	12,324	17,744	2,276	2,500	-	2,500	Inflation	2,550	2,606	2,666	2,730	2,796
270	Out-of-County Travel 392	-	-	488	2,500	-	2,500	Inflation	2,550	2,606	2,666	2,730	2,796
271	Telecommunications	12,473	15,244	23,100	13,500	-	13,500	Inflation	13,770	14,073	14,397	14,742	15,096
272	Telecommunications 392	-	-	-	2,250	-	2,250	Inflation	2,295	2,345	2,399	2,457	2,516
273	Advertising	1,811	1,083	4,523	-	-	-	Inflation	-	-	-	-	-
274	Int. Phone Line (IGS-Var)	17,676	20,151	20,007	17,556	-	17,556	Inflation	17,907	18,301	18,722	19,171	19,631
275	Int. Phone Usage (IGS-Var)	49	161	212	161	-	161	Inflation	164	168	172	176	180
276	Freight, Postage & Courier Svc	15	947	274	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
277	Trash, Garbage&Sludge Removal	270,973	144,099	141,812	-	-	-	DisposalRate	-	-	-	-	-
278	All Utility Services	-	-	-	110,000	-	110,000	Inflation	112,200	114,668	117,306	120,121	123,004
279	Other Equipment Rental	5,290	6,544	-	-	-	-	Inflation	-	-	-	-	-
280	Self Ins Assess-General Liability	135,667	156,908	-	11,080	-	11,080	Inflation	11,302	11,550	11,816	12,099	12,390
281	Self Ins Assess-Auto Ins	22,996	9,323	-	14,323	-	14,323	Inflation	14,609	14,931	15,274	15,641	16,016
282	Self Ins Assess-Prop Ins	96,231	120,906	-	117,807	-	117,807	Inflation	120,163	122,807	125,631	128,646	131,734
283	Insurance and Bonds	183,035	183,035	233,635	250,000	-	250,000	Inflation	255,000	260,610	266,604	273,003	279,555
284	Building Maintenance	9,934	-	-	-	-	-	Repair	-	-	-	-	-
285	Maintenance Material	8,254	6,476	32	-	-	-	Repair	-	-	-	-	-
286	Vehicle Maintenance	2,337	-	-	-	-	-	DisposalHauling	-	-	-	-	-
287	Equipment Maintenance	14,372	3,936	4,536	-	-	-	Repair	-	-	-	-	-
288	Equipment Repair Parts	3,354	1,816	320	-	-	-	Repair	-	-	-	-	-

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
289	Repair & Maint. - Services & Labor	-	-	-	4,200	-	4,200	Repair	4,331	4,465	4,604	4,747	4,895
290	Repair & Maint. - Services & Labor	-	-	-	1,000	-	1,000	Repair	1,031	1,063	1,096	1,130	1,165
291	Repairs & Maint. - Parts	-	-	-	500	-	500	Repair	516	532	548	565	583
292	Tires & Tubes	266	251	98	-	-	-	Inflation	-	-	-	-	-
293	Internal Repair & Maint.	1,782	2,677	20	-	-	-	Repair	-	-	-	-	-
294	Prntng. Bndng & Copy Ext	717	4,500	215	-	-	-	Inflation	-	-	-	-	-
295	Promo. Advertising & Expenses	-	109,303	15,005	-	-	-	Inflation	-	-	-	-	-
296	Deputy Clerk Fees	40	10	-	-	-	-	Inflation	-	-	-	-	-
297	Indirect Cost	323,961	343,660	439,353	479,134	-	479,134	Inflation	488,717	499,468	510,956	523,219	535,776
298	Solid Waste Assessment	9,160	-	9,188	10,000	-	10,000	Inflation	10,200	10,424	10,664	10,920	11,182
299	Fiscal Support	86,380	116,256	119,744	123,962	-	123,962	Inflation	126,441	129,223	132,195	135,368	138,617
300	License, Permit & Appl. Fee	26,467	26,892	291	-	-	-	Inflation	-	-	-	-	-
301	License, Permit & Appl. Fee 392	-	-	-	29,625	-	29,625	Inflation	30,218	30,882	31,593	32,351	33,127
302	Gen. Office Supplies	3,857	3,230	341	-	-	-	Inflation	-	-	-	-	-
303	Fuel and Lubricants	12,800	-	33,609	34,000	-	34,000	Disposal/Hauling	36,286	38,110	40,044	42,095	44,199
304	Medical Supplies & Drugs	1,669	619	53	-	-	-	Inflation	-	-	-	-	-
305	Clothing & Wearing Apparel	9,247	1,934	2,896	-	-	-	Inflation	-	-	-	-	-
306	Chem. Insect & Fertilizer	97	69	-	-	-	-	Chemicals	-	-	-	-	-
307	Jani. & Other Maint. Supplies	4,748	1,899	1,154	-	-	-	Inflation	-	-	-	-	-
308	Minor Equipment	22,078	11,148	8,664	-	-	-	Inflation	-	-	-	-	-
309	Minor Equipment	22,078	11,148	-	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
310	Other Supplies	12,345	11,472	7,939	17,700	-	17,700	Inflation	18,054	18,451	18,876	19,329	19,792
311	Other Supplies	12,345	11,472	-	600	-	600	Inflation	612	625	640	655	671
312	Road Base Materials	-	852	-	-	-	-	Inflation	-	-	-	-	-
313	Cement and Concrete	6	-	329	-	-	-	Inflation	-	-	-	-	-
314	Fill Material	2,353	-	-	-	-	-	Inflation	-	-	-	-	-
315	Other Road Materials	493	-	-	-	-	-	Inflation	-	-	-	-	-
316	Reference Materials	764	120	918	3,450	-	3,450	Inflation	3,519	3,596	3,679	3,767	3,858
317	Reference Materials 392	-	-	-	1,120	-	1,120	Inflation	1,142	1,168	1,194	1,223	1,252
318	Memberships	1,177	2,779	6,017	750	-	750	Inflation	765	782	800	819	839
319	Memberships 392	-	-	-	4,200	-	4,200	Inflation	4,284	4,378	4,479	4,586	4,697
320	Educational Expenses	200	-	276	-	-	-	Inflation	-	-	-	-	-
321	Training/Seminars/Bus. Meeting	17,256	20,819	12,632	4,400	-	4,400	Inflation	4,488	4,587	4,692	4,805	4,920
322	Training/Seminars/Bus. Meeting 392	-	-	755	-	-	-	Inflation	-	-	-	-	-
323	Furniture and Equipment	-	-	119,099	-	-	-	Eliminate	-	-	-	-	-
324	Vehicle & Rolling Stock	-	-	56,112	232,000	(232,000)	-	Eliminate	-	-	-	-	-
325	County-Sponsored Functions	-	-	813	-	-	-	Inflation	-	-	-	-	-
326	Appraisal Services	-	-	200	-	-	-	Inflation	-	-	-	-	-
327	Administrative Charges	-	-	2,236	2,057	-	2,057	Inflation	2,098	2,144	2,194	2,246	2,300
328	Total Operating Expense	\$ 32,413,402	\$ 32,461,620	\$ 32,880,069	\$ 34,666,436	\$ (941,429)	\$ 33,725,007		\$ 34,524,823	\$ 35,401,542	\$ 36,299,839	\$ 37,321,150	\$ 38,163,826
329	Total Disposal	\$ 35,112,437	\$ 35,648,056	\$ 38,716,663	\$ 40,821,000	\$ (920,233)	\$ 39,900,767		\$ 40,891,041	\$ 41,964,225	\$ 43,065,132	\$ 44,295,392	\$ 45,353,498
53408- Buckingham Campus Transfer Station													
<u>Personnel Services</u>													
330	Salaries - Full Time Regular	\$ -	\$ 84,392	\$ 2,852	\$ -	\$ -	\$ -	Labor	\$ -	\$ -	\$ -	\$ -	\$ -
331	Sick Leave	-	2,278	12	-	-	-	Labor	-	-	-	-	-
332	Vacation Leave	-	3,669	125	-	-	-	Labor	-	-	-	-	-
333	Overtime (OT 1.0)	-	2,089	47	-	-	-	Labor	-	-	-	-	-
334	Overtime (OT 1.5)	-	16,364	585	-	-	-	Labor	-	-	-	-	-
335	Holiday Pay	-	2,858	-	-	-	-	Labor	-	-	-	-	-
336	FICA Taxes (OASDI)	-	6,769	220	-	-	-	Labor	-	-	-	-	-
337	FICA Taxes (Medicare)	-	1,583	52	-	-	-	Labor	-	-	-	-	-
338	Regular Retirement	-	9,309	307	-	-	-	Labor	-	-	-	-	-
339	Health Insurance	-	23,085	-	-	-	-	HealthIns	-	-	-	-	-
340	Life Insurance	-	174	-	-	-	-	Inflation	-	-	-	-	-
341	Dental Insurance	-	703	-	-	-	-	Inflation	-	-	-	-	-
342	Disability Insurance	-	414	-	-	-	-	Inflation	-	-	-	-	-
343	Worker's Comp-(IGS)	-	3,879	-	-	-	-	Labor	-	-	-	-	-
344	Total Personnel Services	\$ -	\$ 157,568	\$ 4,201	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
<u>Operating Expenses</u>													
345	Other Professional Services	\$ 12,779	\$ 6,397	\$ -	\$ -	\$ 280,800	\$ 280,800	Infl+LF	\$ 301,746	\$ 318,130	\$ 335,482	\$ 353,880	\$ 372,741
346	Janitorial Services	5,040	-	-	-	-	-	Inflation	-	-	-	-	-
347	Comp Data Proc & Netwk-IGS	17,535	14,800	15,328	16,028	-	16,028	Inflation	16,349	16,708	17,093	17,503	17,923
348	Other Contracted Services	22,815	18,250	64,869	402	-	402	Inflation	410	419	429	439	450
349	Out-of-County Travel	-	-	-	1,250	-	1,250	Inflation	1,275	1,303	1,333	1,365	1,398
350	Telecommunications	-	-	-	900	-	900	Inflation	918	938	960	983	1,006
351	Int. Phone Line (IGS-Var)	7,070	6,373	6,156	5,643	-	5,643	Inflation	5,756	5,882	6,018	6,162	6,310
352	Other Equipment Rental	32,958	34,052	5,450	-	-	-	Inflation	-	-	-	-	-
353	Rental & Lease (<12 mos, <\$5,000)	-	-	-	26,000	-	26,000	Inflation	26,520	27,103	27,727	28,392	29,074
354	Building Maintenance	49	-	-	-	-	-	Repair	-	-	-	-	-
355	Maintenance Material	2,649	5,011	-	-	-	-	Repair	-	-	-	-	-
356	Vehicle Maintenance	-	-	-	-	-	-	Repair	-	-	-	-	-
357	Equipment Maintenance	5,147	4,170	436	-	-	-	Repair	-	-	-	-	-
358	Equipment Repair Parts	11,745	1,447	989	-	-	-	Inflation	-	-	-	-	-
359	Repair & Maint. - Services & Labor	-	-	-	5,000	-	5,000	Inflation	5,100	5,212	5,332	5,460	5,591
360	Internal Repair & Maint.	-	15	-	-	-	-	Repair	-	-	-	-	-
361	License,Permit & Appl.Fee	171	360	82	-	-	-	Inflation	-	-	-	-	-
362	Gen. Office Supplies	-	21	-	-	-	-	Inflation	-	-	-	-	-
363	Fuel and Lubricants	38	15	-	-	-	-	Fuel	-	-	-	-	-
364	Medical Supplies & Drugs	409	243	108	-	-	-	Inflation	-	-	-	-	-
365	Clothing & Wearing Apparel	3,556	6,511	4,898	-	-	-	Inflation	-	-	-	-	-
366	Chem, Insect & Fertilizer	380	-	-	-	-	-	Chemicals	-	-	-	-	-
367	Jani. & Other Maint. Supplies	1,989	3,856	3,456	-	-	-	Inflation	-	-	-	-	-
368	Minor Equipment	5,626	1,829	1,351	3,000	-	3,000	Inflation	3,060	3,127	3,199	3,276	3,355
369	Other Supplies	2,188	822	371	6,000	-	6,000	Inflation	6,120	6,255	6,398	6,552	6,709
370	Asphalt and Coldmix	-	-	-	-	-	-	Inflation	-	-	-	-	-
371	Reference Materials	-	3,284	-	500	-	500	Inflation	510	521	533	546	559
372	Furniture and Equipment	-	-	3,141	-	-	-	Eliminate	-	-	-	-	-
373	Vehicle & Rolling Stock	-	246,993	246,993	-	-	-	Eliminate	-	-	-	-	-
374	Total Operating Expense	\$ 132,145	\$ 354,447	\$ 353,628	\$ 64,723	\$ 280,800	\$ 345,523		\$ 367,763	\$ 385,600	\$ 404,504	\$ 424,558	\$ 445,115
375	Total Buckingham Campus Transfer Station	\$ 132,145	\$ 512,015	\$ 357,829	\$ 64,723	\$ 280,800	\$ 345,523		\$ 367,763	\$ 385,600	\$ 404,504	\$ 424,558	\$ 445,115
53408- Hazardous Waste													
<u>Personnel Services</u>													
376	Salaries - Full Time Regular	\$ 269,301	\$ 297,454	\$ 270,464	\$ 316,979	\$ -	\$ 316,979	Labor	\$ 326,488	\$ 336,283	\$ 346,372	\$ 356,763	\$ 367,466
377	Special Pay (w/ Retirement)	2	78	650	-	-	-	Labor	-	-	-	-	-
378	Sick Leave	13,452	13,224	10,240	-	-	-	Labor	-	-	-	-	-
379	Vacation Leave	17,640	22,075	19,753	-	-	-	Labor	-	-	-	-	-
380	CPI-Consumer Price Index	-	-	-	9,508	-	9,508	Labor	9,793	10,087	10,390	10,701	11,022
381	Overtime (OT 1.0)	1,781	3,307	2,273	-	-	-	Labor	-	-	-	-	-
382	Overtime (OT 1.5)	10,547	12,399	8,414	15,000	-	15,000	Labor	15,450	15,914	16,391	16,883	17,389
383	Holiday Pay	13,349	13,675	13,284	-	-	-	Labor	-	-	-	-	-
384	Disaster Pay - (OT 1.5)	0	-	-	-	-	-	Labor	-	-	-	-	-
385	Disaster Pay (1.0)	(0)	-	-	-	-	-	Labor	-	-	-	-	-
386	Sick Leave Buy Back	38	-	-	-	-	-	Labor	-	-	-	-	-
387	FICA Taxes (OASDI)	19,734	21,854	19,718	20,240	-	20,240	Labor	20,847	21,473	22,117	22,780	23,464
388	FICA Taxes (Medicare)	4,616	5,111	4,612	4,734	-	4,734	Labor	4,876	5,022	5,173	5,328	5,488
389	Regular Retirement	25,969	30,210	28,827	32,648	-	32,648	Labor	33,627	34,636	35,675	36,746	37,848
390	Senior Management Retirement	463	-	-	-	-	-	Labor	-	-	-	-	-
391	Health Insurance	84,041	101,676	91,358	100,781	-	100,781	HealthIns	104,308	107,959	111,738	115,649	119,696
392	Health Ins Opt Out	-	-	-	6	-	6	HealthIns	6	6	7	7	7
393	Life Insurance	775	716	628	549	-	549	Inflation	560	572	585	600	614
394	Dental Insurance	1,949	2,279	1,890	1,873	-	1,873	Inflation	1,910	1,952	1,997	2,045	2,094
395	Disability Insurance	1,498	1,598	1,505	1,568	-	1,568	Inflation	1,599	1,635	1,672	1,712	1,753
396	Worker's Comp-(IGS)	15,610	15,514	12,050	12,050	-	12,050	Labor	12,412	12,784	13,167	13,562	13,969
397	Other Post-Employment Benefits (OPEB)	-	-	-	-	1,777	1,777	Labor	1,830	1,885	1,942	2,000	2,060
398	Total Personnel Services	\$ 480,762	\$ 541,169	\$ 485,666	\$ 515,936	\$ 1,777	\$ 517,713		\$ 533,708	\$ 550,209	\$ 567,225	\$ 584,775	\$ 602,871

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget	Escalation	Adjusted	Reference	Fiscal Year Ending September 30,				
		2018	2019	2020	2021		Adjustments		2021	2022	2023	2024	2025
Operating Expenses													
399	Other Professional Services	\$ 13,486	\$ 9,224	\$ 1,291	\$ 1,500	\$ -	\$ 1,500	Inflation	\$ 1,530	\$ 1,564	\$ 1,600	\$ 1,638	\$ 1,677
400	Janitorial Services	4,533	2,532	-	-	-	-	Inflation	-	-	-	-	-
401	Uniform/Laundry Service	1,396	1,327	1,454	-	-	-	Inflation	-	-	-	-	-
402	Comp Data Proc & Netwk-IGS	3,507	3,700	3,832	8,014	-	8,014	Inflation	8,174	8,354	8,546	8,751	8,961
403	Other Contracted Services	311,852	198,960	235,031	348,800	-	348,800	Inflation	355,776	363,603	371,966	380,893	390,035
404	Out-of-County Travel	-	-	-	3,000	-	3,000	Inflation	3,060	3,127	3,199	3,276	3,355
405	Telecommunications	959	1,299	531	-	-	-	Inflation	-	-	-	-	-
406	Advertising	-	76	-	-	-	-	Inflation	-	-	-	-	-
407	Int. Phone Line (IGS-Var)	1,414	1,091	57	2,508	-	2,508	Inflation	2,558	2,614	2,675	2,739	2,804
408	Electric	9,212	11,308	9,505	-	-	-	Electric	-	-	-	-	-
409	Water and Sewer	1,195	434	173	-	-	-	W&S	-	-	-	-	-
410	Trash, Garbage&Sludge Removal	21,571	57,717	66,090	-	-	-	DisposalRate	-	-	-	-	-
411	All Utility Services	-	-	1,221	13,050	-	13,050	DisposalRate	13,442	13,845	14,260	14,688	15,129
412	Other Equipment Rental	320	1,432	-	-	-	-	Inflation	-	-	-	-	-
413	Rental & Lease (<12 mos, <\$5,000)	-	-	-	2,500	-	2,500	Inflation	2,550	2,606	2,666	2,730	2,796
414	Self Ins Assess-Auto Ins	1,353	374	-	843	-	843	Inflation	860	879	899	921	943
415	Maintenance Material	4,549	3,473	51	-	-	-	Repair	-	-	-	-	-
416	Equipment Maintenance	4,517	3,630	195	-	-	-	Repair	-	-	-	-	-
417	Equipment Repair Parts	1,620	452	124	-	-	-	Repair	-	-	-	-	-
418	Internal Repair & Maint.	-	41	-	500	-	500	Repair	516	532	548	565	583
419	Solid Waste Assessment	457	9,637	449	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
420	Gen. Office Supplies	124	8	12	-	-	-	Inflation	-	-	-	-	-
421	Fuel and Lubricants	1,762	319	290	-	-	-	Fuel	-	-	-	-	-
422	Medical Supplies & Drugs	288	566	456	-	-	-	Inflation	-	-	-	-	-
423	Clothing & Wearing Apparel	1,140	1,061	1,519	-	-	-	Inflation	-	-	-	-	-
424	Chem, Insect & Fertilizer	10	-	-	-	-	-	Chemicals	-	-	-	-	-
425	Jani. & Other Maint. Supplies	24,366	6,470	2,752	-	-	-	Inflation	-	-	-	-	-
426	Minor Equipment	3,278	10,823	2,681	20,000	-	20,000	Inflation	20,400	20,849	21,328	21,840	22,364
427	Other Supplies	4,099	3,547	4,021	10,000	-	10,000	Inflation	10,200	10,424	10,664	10,920	11,182
428	Other Road Materials	278	212	1,094	-	-	-	Inflation	-	-	-	-	-
429	Memberships	740	400	800	-	-	-	Inflation	-	-	-	-	-
430	Training/Seminars/Bus. Meeting	-	-	(190)	-	-	-	Inflation	-	-	-	-	-
431	Furniture and Equipment	-	-	-	26,250	(26,250)	-	Eliminate	-	-	-	-	-
432	Total Operating Expense	\$ 418,025	\$ 330,113	\$ 333,437	\$ 437,965	\$ (26,250)	\$ 411,715		\$ 420,085	\$ 429,439	\$ 439,418	\$ 450,053	\$ 460,947
433	Total Hazardous Waste	\$ 898,787	\$ 871,283	\$ 819,104	\$ 953,901	\$ (24,473)	\$ 929,428		\$ 953,794	\$ 979,648	\$ 1,006,643	\$ 1,034,829	\$ 1,063,818
53408- Vehicle Maintenance													
Operating Expenses													
434	Comp Data Proc & Netwk-IGS	\$ 21,042	\$ -	\$ -	\$ -	\$ -	\$ -	Inflation	\$ -	\$ -	\$ -	\$ -	\$ -
435	Other Contracted Services	300	-	-	-	-	-	Inflation	-	-	-	-	-
436	Int. Phone Line (IGS-Var)	4,949	-	-	-	-	-	Inflation	-	-	-	-	-
437	Vehicle Maintenance	(584)	-	-	-	-	-	Repair	-	-	-	-	-
438	Equipment Maintenance	885	-	-	-	-	-	Repair	-	-	-	-	-
439	Equipment Repair Parts	(1,647)	-	-	-	-	-	Repair	-	-	-	-	-
440	Prntng, Bndng & Copy Ext	-	-	-	2,500	-	2,500	Inflation	2,550	2,606	2,666	2,730	2,796
441	Other Supplies	200	-	-	-	-	-	Inflation	-	-	-	-	-
442	Total Operating Expense	\$ 25,145	\$ -	\$ -	\$ 2,500	\$ -	\$ 2,500		\$ 2,550	\$ 2,606	\$ 2,666	\$ 2,730	\$ 2,796
443	Total Vehicle Maintenance	\$ 25,145	\$ -	\$ -	\$ 2,500	\$ -	\$ 2,500		\$ 2,550	\$ 2,606	\$ 2,666	\$ 2,730	\$ 2,796
53408- C&D													
Personnel Services													
444	Salaries - Full Time Regular	\$ 397,483	\$ 447,450	\$ 389,828	\$ 531,730	\$ -	\$ 531,730	Labor	\$ 547,682	\$ 564,112	\$ 581,036	\$ 598,467	\$ 616,421
445	Special Pay (w/ Retirement)	7	134	525	-	-	-	Labor	-	-	-	-	-
446	Sick Leave	21,119	22,956	12,449	-	-	-	Labor	-	-	-	-	-
447	Vacation Leave	25,632	25,882	20,532	-	-	-	Labor	-	-	-	-	-
448	CPI-Consumer Price Index	-	-	-	15,952	-	15,952	Labor	16,431	16,923	17,431	17,954	18,493
449	Pay-Non-Perm Labor	1,012	4,420	-	-	-	-	Labor	-	-	-	-	-
450	Overtime (OT 1.0)	27,914	26,387	26,117	40,000	-	40,000	Labor	41,200	42,436	43,709	45,020	46,371
451	Overtime (OT 1.5)	156,110	127,799	113,186	50,000	-	50,000	Labor	51,500	53,045	54,636	56,275	57,964
452	Holiday Pay	20,066	22,169	18,587	-	-	-	Labor	-	-	-	-	-

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
453	Disaster Pay - (OT 1.5)	28	-	-	-	-	-	Labor	-	-	-	-	-
454	Disaster Pay (1.0)	(22)	-	-	-	-	-	Labor	-	-	-	-	-
455	Sick Leave Buy Back	44	-	-	-	-	-	Labor	-	-	-	-	-
456	FICA Taxes (OASDI)	39,111	40,849	35,215	33,956	-	33,956	Labor	34,975	36,024	37,105	38,218	39,364
457	FICA Taxes (Medicare)	9,147	9,554	8,236	7,942	-	7,942	Labor	8,180	8,426	8,678	8,939	9,207
458	Regular Retirement	53,062	58,057	51,613	54,768	-	54,768	Labor	56,411	58,103	59,846	61,642	63,491
459	Health Insurance	152,413	166,871	143,130	196,093	-	196,093	HealthIns	202,956	210,060	217,412	225,021	232,897
460	Health Ins Opt Out	-	-	-	90	-	90	HealthIns	93	96	100	103	107
461	Life Insurance	1,121	1,076	867	923	-	923	Inflation	941	962	984	1,008	1,032
462	Dental Insurance	4,439	4,667	3,685	4,533	-	4,533	Inflation	4,624	4,725	4,834	4,950	5,069
463	Disability Insurance	2,180	2,406	2,073	2,627	-	2,627	Inflation	2,680	2,738	2,801	2,869	2,938
464	Worker's Comp-(IGS)	23,415	25,211	14,058	14,058	-	14,058	Labor	14,480	14,914	15,362	15,822	16,297
465	Other Post-Employment Benefits (OPEB)	-	-	-	-	3,281	3,281	Labor	3,379	3,481	3,585	3,693	3,803
466	Total Personnel Services	\$ 934,282	\$ 985,889	\$ 840,101	\$ 952,672	\$ 3,281	\$ 955,953		\$ 985,532	\$ 1,016,047	\$ 1,047,520	\$ 1,079,981	\$ 1,113,454
Operating Expenses													
467	Other Professional Services	\$ 32,354	\$ 12,215	\$ -	\$ 20,000	\$ -	\$ 20,000	Inflation	\$ 20,400	\$ 20,849	\$ 21,328	\$ 21,840	\$ 22,364
468	Janitorial Services	5,452	-	-	-	-	-	Inflation	-	-	-	-	-
469	Uniform/Laundry Service	2,029	3,205	2,578	-	-	-	Inflation	-	-	-	-	-
470	Comp Data Proc & Netwk-IGS	7,014	11,100	7,664	4,007	-	4,007	Inflation	4,087	4,177	4,273	4,376	4,481
471	Data Processing	-	-	-	-	-	-	Inflation	-	-	-	-	-
472	Other Contracted Services	715,403	636,700	469,364	313,498	-	313,498	Inflation	319,768	326,803	334,319	342,343	350,559
473	Local Travel - Class C	-	-	188	-	-	-	Inflation	-	-	-	-	-
474	Out-of-County Travel	-	-	-	1,800	-	1,800	Inflation	1,836	1,876	1,920	1,966	2,013
475	Telecommunications	3,971	8,210	8,563	4,500	-	4,500	Inflation	4,590	4,691	4,799	4,914	5,032
476	Advertising	-	-	83	-	-	-	Inflation	-	-	-	-	-
477	Int. Phone Usage (IGS-Var)	1,547	387	-	387	-	387	Inflation	395	403	413	423	433
478	Other Equipment Rental	169,295	53,793	18,151	-	-	-	Inflation	-	-	-	-	-
	Rental & Lease (<12 mos, <\$5,000)	v	-	-	32,000	-	32,000	Inflation	32,640	33,358	34,125	34,944	35,783
479	Self Ins Assess-Auto Ins	4,735	2,051	-	3,370	-	3,370	Inflation	3,437	3,513	3,594	3,680	3,768
480	Building Maintenance	-	110	-	-	-	-	Repair	-	-	-	-	-
481	Maintenance Material	10,637	25,553	7	-	-	-	Repair	-	-	-	-	-
482	Equipment Maintenance	1,400	1,390	130	-	-	-	Repair	-	-	-	-	-
483	Equipment Repair Parts	57,106	21,764	3,939	-	-	-	Repair	-	-	-	-	-
484	Internal Repair & Maint.	-	23	-	-	-	-	Repair	-	-	-	-	-
485	Prntng, Bndng & Copy Ext	290	-	-	-	-	-	Inflation	-	-	-	-	-
	License, Permit & Appl Fee	-	-	83	-	-	-	Inflation	-	-	-	-	-
486	Gen. Office Supplies	45	80	-	-	-	-	Inflation	-	-	-	-	-
487	Fuel and Lubricants	239	101	75	-	-	-	Fuel	-	-	-	-	-
488	Medical Supplies & Drugs	542	944	697	-	-	-	Inflation	-	-	-	-	-
489	Clothing & Wearing Apparel	4,873	5,987	4,524	-	-	-	Inflation	-	-	-	-	-
490	Chem, Insect & Fertilizer	9	107	-	-	-	-	Chemicals	-	-	-	-	-
491	Jani. & Other Maint. Supplies	3,546	3,459	2,281	-	-	-	Inflation	-	-	-	-	-
492	Minor Equipment	19,345	2,209	523	2,500	-	2,500	Inflation	2,550	2,606	2,666	2,730	2,796
493	Other Supplies	3,629	681	537	10,550	-	10,550	Inflation	10,761	10,998	11,251	11,521	11,797
494	Cement and Concrete	166	-	-	-	-	-	Inflation	-	-	-	-	-
495	Other Road Materials 278	-	650	1,075	25,800	-	25,800	Inflation	26,316	26,895	27,514	28,174	28,850
496	Reference Materials	-	-	-	3,450	-	3,450	Inflation	3,519	3,596	3,679	3,767	3,858
497	Memberships	525	-	-	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
498	Educational Expenses	-	-	551	-	-	-	Inflation	-	-	-	-	-
499	Training/Seminars/Bus. Meeting	-	-	253	2,875	-	2,875	Inflation	2,933	2,997	3,066	3,140	3,215
500	Furniture and Equipment	-	-	9,267	-	-	-	Eliminate	-	-	-	-	-
501	Vehicle & Rolling Stock	-	11,735	11,735	232,000	(232,000)	-	Eliminate	-	-	-	-	-
502	Total Operating Expense	\$ 1,044,352	\$ 802,452	\$ 542,269	\$ 657,737	\$ (232,000)	\$ 425,737		\$ 434,252	\$ 443,805	\$ 454,013	\$ 464,909	\$ 476,067
503	Total C&D	\$ 1,978,634	\$ 1,788,341	\$ 1,382,370	\$ 1,610,409	\$ (228,719)	\$ 1,381,690		\$ 1,419,783	\$ 1,459,852	\$ 1,501,533	\$ 1,544,891	\$ 1,589,521
53409- Hendry County Transfer Stations													
Personnel Services													
504	Salaries - Full Time Regular	\$ 308,827	\$ 379,768	\$ 197,253	\$ 207,198	\$ -	\$ 207,198	Labor	\$ 213,414	\$ 219,816	\$ 226,411	\$ 233,203	\$ 240,199
505	Disaster Pay (1.0)	(137)	-	-	-	-	-	Labor	-	-	-	-	-
506	Special Pay (w/ Retirement)	2	90	105	-	-	-	Labor	-	-	-	-	-
507	Sick Leave	11,272	15,695	6,288	-	-	-	Labor	-	-	-	-	-
508	Vacation Leave	17,884	20,139	7,786	-	-	-	Labor	-	-	-	-	-

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
509	CPI-Consumer Price Index	-	-	-	6,217	-	6,217	Labor	6,404	6,596	6,793	6,997	7,207
510	Pay-Non-Perm Labor	4,162	5,474	-	-	-	-	Labor	-	-	-	-	-
511	Overtime (OT 1.0)	18,684	21,219	14,221	10,000	-	10,000	Labor	10,300	10,609	10,927	11,255	11,593
512	Overtime (OT 1.5)	91,651	79,978	51,233	23,000	-	23,000	Labor	23,690	24,401	25,133	25,887	26,663
513	Holiday Pay	14,560	18,049	8,811	-	-	-	Labor	-	-	-	-	-
514	Disaster Pay - (OT 1.5)	117	-	-	-	-	-	Labor	-	-	-	-	-
515	Sick Leave Buy Back	1	-	-	-	-	-	Labor	-	-	-	-	-
516	FICA Taxes (OASDI)	27,777	32,420	17,250	13,228	-	13,228	Labor	13,625	14,034	14,455	14,888	15,335
517	FICA Taxes (Medicare)	6,558	7,583	4,034	3,094	-	3,094	Labor	3,187	3,282	3,381	3,482	3,587
518	Regular Retirement	37,941	45,787	25,754	21,341	-	21,341	Labor	21,981	22,641	23,320	24,019	24,740
519	Health Insurance	113,356	144,401	70,505	72,377	-	72,377	HealthIns	74,910	77,532	80,246	83,054	85,961
520	Health Ins Opt Out	276	293	23	24	-	24	HealthIns	25	26	27	28	29
521	Life Insurance	831	949	420	357	-	357	Inflation	364	372	381	390	399
522	Dental Insurance	3,354	4,237	1,884	1,696	-	1,696	Inflation	1,730	1,768	1,809	1,852	1,896
523	Disability Insurance	1,596	2,049	1,002	1,024	-	1,024	Inflation	1,044	1,067	1,092	1,118	1,145
524	Worker's Comp-(IGS)	17,561	19,393	10,042	10,042	-	10,042	Labor	10,343	10,654	10,973	11,302	11,641
525	Other Post-Employment Benefits (OPEB)	-	-	-	-	1,273	1,273	Labor	1,311	1,350	1,391	1,433	1,476
526	Total Personnel Services	\$ 676,273	\$ 797,525	\$ 416,609	\$ 369,598	\$ 1,273	\$ 370,871		\$ 382,328	\$ 394,148	\$ 406,337	\$ 418,909	\$ 431,872
Operating Expenses													
527	Other Professional Services	\$ 15,248	\$ 2,682	\$ 727	\$ 15,000	\$ -	\$ 15,000	Inflation	\$ 15,300	\$ 15,637	\$ 15,996	\$ 16,380	\$ 16,773
528	Janitorial Services	-	1,590	-	-	-	-	Inflation	-	-	-	-	-
529	Uniform/Laundry Service	1,032	950	480	-	-	-	Inflation	-	-	-	-	-
530	Comp Data Proc & Netwk-IGS	7,014	7,400	7,664	16,028	-	16,028	Inflation	16,349	16,708	17,093	17,503	17,923
531	Data Processing	163	217	542	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
532	Other Contracted Services	21,403	5,616	239	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
533	Local Travel - Class C	-	1,477	-	1,500	-	1,500	Inflation	1,530	1,564	1,600	1,638	1,677
534	Telecommunications	1,518	1,887	188	1,800	-	1,800	Inflation	1,836	1,876	1,920	1,966	2,013
535	Int. Phone Line (IGS-Var)	1,414	1,378	1,368	1,254	-	1,254	Inflation	1,279	1,307	1,337	1,369	1,402
536	Int. Phone Usage (IGS-Var)	1,596	1,617	3,775	1,617	-	1,617	Inflation	1,649	1,686	1,724	1,766	1,808
537	Electric	3,835	3,852	3,480	-	-	-	Electric	-	-	-	-	-
538	Water and Sewer	7,315	7,668	8,046	-	-	-	W&S	-	-	-	-	-
539	Gas and Fuel Oil	-	(2,810)	-	-	-	-	DisposalRate	-	-	-	-	-
540	All Utility Services	-	-	-	12,500	-	12,500	DisposalRate	12,875	13,261	13,659	14,069	14,491
541	Land, Bldg, Parking Rental	-	-	-	-	-	-	Inflation	-	-	-	-	-
542	Other Equipment Rental	43,567	3,847	1,370	-	-	-	Inflation	-	-	-	-	-
543	Rental & Lease (<12 mos, <\$5,000)	-	-	-	6,100	-	6,100	Inflation	6,222	6,359	6,505	6,661	6,821
544	Self Ins Assess-Auto Ins	5,411	1,678	-	2,528	-	2,528	Inflation	2,579	2,635	2,696	2,761	2,827
545	Maintenance Material	1,582	-	191	-	-	-	Repair	-	-	-	-	-
546	Vehicle Maintenance	8,501	2,810	-	-	-	-	Repair	-	-	-	-	-
547	Equipment Maintenance	14,731	350	106	-	-	-	Repair	-	-	-	-	-
548	Equipment Repair Parts	11,247	1,523	1,291	-	-	-	Repair	-	-	-	-	-
549	Indirect Cost	11,241	11,758	15,032	16,393	-	16,393	Inflation	16,721	17,089	17,482	17,901	18,331
550	Fiscal Support	-	15,285	15,744	16,298	-	16,298	Inflation	16,624	16,990	17,380	17,798	18,225
551	Fiscal Support	8,391	-	-	-	-	-	Inflation	-	-	-	-	-
552	License,Permit & Appl.Fee	807	772	632	-	-	-	Inflation	-	-	-	-	-
553	License,Permit & Appl.Fee	807	772	-	1,175	-	1,175	Inflation	1,199	1,225	1,253	1,283	1,314
553	Expenses Other Than Salaries	60	-	-	-	-	-	Inflation	-	-	-	-	-
554	Fuel and Lubricants	35	25	-	-	-	-	Fuel	-	-	-	-	-
555	Medical Supplies & Drugs	138	103	231	-	-	-	Inflation	-	-	-	-	-
556	Clothing & Wearing Apparel	232	162	-	-	-	-	Inflation	-	-	-	-	-
557	Chem, Insect & Fertilizer	-	62	177	-	-	-	Chemicals	-	-	-	-	-
558	Jani. & Other Maint. Supplies	420	2,600	1,754	-	-	-	Inflation	-	-	-	-	-
559	Minor Equipment	4,032	4,180	127	4,000	-	4,000	Inflation	4,080	4,170	4,266	4,368	4,473
560	Other Supplies	371	515	-	750	-	750	Inflation	765	782	800	819	839
561	Reference Materials	2	-	-	-	-	-	Inflation	-	-	-	-	-
562	Memberships	223	-	-	-	-	-	Inflation	-	-	-	-	-
563	Educational Expenses	-	-	276	-	-	-	Inflation	-	-	-	-	-
564	Training/Seminars/Bus. Meeting	-	1,251	-	550	-	550	Inflation	561	573	587	601	615
565	Furniture and Equipment	-	-	3,045	-	-	-	Eliminate	-	-	-	-	-
566	Total Operating Expense	\$ 172,332	\$ 81,215	\$ 66,484	\$ 99,493	\$ -	\$ 99,493		\$ 101,608	\$ 103,946	\$ 106,430	\$ 109,066	\$ 111,768
567	Total Transfer Stations	\$ 848,604	\$ 878,740	\$ 483,093	\$ 469,091	\$ 1,273	\$ 470,364		\$ 483,936	\$ 498,094	\$ 512,767	\$ 527,975	\$ 543,640

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget		Adjusted	Escalation	Fiscal Year Ending September 30,				
		2018	2019	2020	2021	Adjustments	2021	Reference	2022	2023	2024	2025	2026
53410- Lee-Hendry Landfill													
Personnel Services													
568	Salaries - Full Time Regular	\$ 961,651	\$ 1,071,962	\$ 708,546	\$ 803,578	\$ -	\$ 803,578	Infl+LF	\$ 863,520	\$ 910,407	\$ 960,065	\$ 1,012,714	\$ 1,066,689
569	Disaster Pay (1.0)	(150)	-	-	-	-	-	Infl+LF	-	-	-	-	-
570	Special Pay (w/ Retirement)	2	234	3,265	-	-	-	Infl+LF	-	-	-	-	-
571	Sick Leave	41,171	57,923	34,395	-	-	-	Infl+LF	-	-	-	-	-
572	Vacation Leave	61,476	58,118	36,954	-	-	-	Infl+LF	-	-	-	-	-
573	CPI-Consumer Price Index	-	-	-	24,104	-	24,104	Labor	24,827	25,572	26,339	27,129	27,943
574	Pay-Non-Perm Labor	1,226	15,490	3,425	-	-	-	Infl+LF	-	-	-	-	-
575	Overtime (OT 1.0)	36,147	40,566	31,827	50,000	-	50,000	Infl+LF	53,730	56,647	59,737	63,013	66,371
576	Overtime (OT 1.5)	205,959	153,306	92,832	115,000	-	115,000	Infl+LF	123,578	130,288	137,395	144,929	152,654
577	Holiday Pay	45,984	52,619	33,782	-	-	-	Infl+LF	-	-	-	-	-
578	Disaster Pay - (OT 1.5)	159	-	-	-	-	-	Infl+LF	-	-	-	-	-
579	Sick Leave Buy Back	135	-	-	-	-	-	Infl+LF	-	-	-	-	-
580	FICA Taxes (OASDI)	81,491	86,430	55,748	51,315	-	51,315	Infl+LF	55,143	58,137	61,308	64,670	68,117
581	FICA Taxes (Medicare)	19,057	20,304	13,190	12,003	-	12,003	Infl+LF	12,898	13,599	14,340	15,127	15,933
582	Regular Retirement	109,273	121,500	83,844	82,770	-	82,770	Infl+LF	88,944	93,774	98,888	104,311	109,871
583	Senior Management Retirement	1,389	-	-	-	-	-	Labor	-	-	-	-	-
584	Health Insurance	309,438	373,676	262,938	295,189	-	295,189	HealthIns	305,521	316,214	327,281	338,736	350,592
585	Health Ins Opt Out	756	808	144	150	-	150	HealthIns	155	161	166	172	178
586	Life Insurance	3,034	2,929	1,822	1,618	-	1,618	Inflation	1,650	1,687	1,725	1,767	1,809
587	Dental Insurance	8,652	9,903	6,438	6,107	-	6,107	Inflation	6,229	6,366	6,513	6,669	6,829
588	Disability Insurance	5,140	5,846	3,787	3,972	-	3,972	Inflation	4,051	4,141	4,236	4,337	4,442
589	Worker's Comp-(IGS)	46,830	48,483	28,117	28,117	-	28,117	Labor	28,961	29,829	30,724	31,646	32,595
590	Other Post-Employment Benefits (OPEB)	-	-	-	-	5,076	5,076	Infl+LF	5,455	5,751	6,065	6,397	6,738
591	Total Personnel Services	\$ 1,938,822	\$ 2,120,098	\$ 1,401,053	\$ 1,473,923	\$ 5,076	\$ 1,478,999		\$ 1,574,662	\$ 1,652,572	\$ 1,734,783	\$ 1,821,618	\$ 1,910,761
Operating Expenses													
592	Architect and Engin. Servc	\$ 84,150	\$ -	\$ 133,743	\$ 365,000	\$ -	\$ 365,000	Inflation	\$ 372,300	\$ 380,491	\$ 389,242	\$ 398,584	\$ 408,150
593	Other Professional Services	201,517	227,531	7,545	3,000	-	3,000	Inflation	3,060	3,127	3,199	3,276	3,355
594	Other Professional Services	-	-	86,512	100,000	-	100,000	Inflation	102,000	104,244	106,642	109,201	111,822
595	Janitorial Services	8,400	8,730	-	-	-	-	Inflation	-	-	-	-	-
596	Uniform/Laundry Service	4,479	5,012	4,389	-	-	-	Inflation	-	-	-	-	-
597	Comp Data Proc & Netwk-IGS	17,535	29,600	26,824	36,063	-	36,063	Inflation	36,784	37,594	38,458	39,381	40,326
598	Data Processing	4,046	300	775	-	-	-	Inflation	-	-	-	-	-
599	Other Contracted Services	254,119	201,774	1,448,604	39,200	-	39,200	Inflation	39,984	40,864	41,804	42,807	43,834
600	WMI - Landfill Operator	1,803,789	1,678,079	1,889,305	1,980,000	78,267	2,058,267	Calculated	2,203,969	3,715,797	3,922,522	4,113,003	4,308,517
601	Local Travel - Class C	1,212	687	960	2,500	-	2,500	Inflation	2,550	2,606	2,666	2,730	2,796
602	Local Travel - Class C	1,212	687	-	2,400	-	2,400	Inflation	2,448	2,502	2,559	2,621	2,684
603	Bridge Tickets & Passes	16	-	-	-	-	-	Inflation	-	-	-	-	-
604	Out-of-County Travel	1,217	2,102	1,087	1,250	-	1,250	Inflation	1,275	1,303	1,333	1,365	1,398
605	Out-of-County Travel 381	-	-	-	-	-	-	Inflation	-	-	-	-	-
606	Telecommunications	6,884	8,068	10,704	10,512	-	10,512	Inflation	10,722	10,958	11,210	11,479	11,755
607	Advertising	1,502	445	726	-	-	-	Inflation	-	-	-	-	-
608	Int. Phone Line (IGS-Var)	8,484	8,267	8,208	7,524	-	7,524	Inflation	7,674	7,843	8,024	8,216	8,413
609	Int. Phone Usage (IGS-Var)	18	10	9	10	-	10	Inflation	10	10	11	11	11
610	Freight, Postage & Courier Svc	5,625	7,075	-	-	-	-	Inflation	-	-	-	-	-
611	Freight, Postage & Courier Svc	5,625	7,075	8,373	6,600	-	6,600	Inflation	6,732	6,880	7,038	7,207	7,380
612	Electric	35,187	28,238	36,677	-	-	-	Electric	-	-	-	-	-
613	All Utility Services	-	-	-	40,000	-	40,000	DisposalRate	41,200	42,436	43,709	45,020	46,371
613	Office Equip Lease	-	693	943	-	-	-	Infl+LF	-	-	-	-	-
614	Other Equipment Rental	112,932	9,674	19,706	-	-	-	Infl+LF	-	-	-	-	-
615	Rental & Lease (<12 mos, <\$5,000)	-	-	-	44,000	-	44,000	DisposalRate	45,320	46,680	48,080	49,522	51,008
616	Self Ins Assess-Auto Ins	13,527	3,170	-	4,774	-	4,774	Infl+LF	5,130	5,409	5,704	6,016	6,337
617	Maintenance Material	7,675	50,530	6,172	-	-	-	Repair	-	-	-	-	-
618	Maintenance Material 381	-	-	1,369	-	-	-	Repair	-	-	-	-	-
619	Vehicle Maintenance	190	-	170	-	-	-	SludgeHauling	-	-	-	-	-
620	Equipment Maintenance	32,926	22,301	6,053	-	-	-	Repair	-	-	-	-	-
621	Equipment Maintenance 381	-	-	2,344	-	-	-	Repair	-	-	-	-	-
622	Equipment Repair Parts	93,918	74,619	43,153	-	-	-	Repair	-	-	-	-	-
623	Equipment Repair Parts 381	-	-	2,064	-	-	-	Repair	-	-	-	-	-
624	Repair & Maint. - Services & Labor	-	-	-	39,000	-	39,000	Repair	40,213	41,464	42,753	44,083	45,454
625	Repair & Maint. - Services & Labor	-	-	-	1,000	-	1,000	Repair	1,031	1,063	1,096	1,130	1,165
626	Repairs & Maint. - Parts	-	-	-	2,000	-	2,000	Repair	2,062	2,126	2,192	2,261	2,331
627	Tires & Tubes	-	50	-	-	-	-	Inflation	-	-	-	-	-

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
628	Internal Repair & Maint.	811	5,283	-	-	-	-	Repair	-	-	-	-	-
629	Promo. Advertising & Expenses	-	-	4,675	-	-	-	Inflation	-	-	-	-	-
630	Indirect Cost	51,687	54,063	69,117	75,375	-	75,375	Inflation	76,883	78,574	80,381	82,310	84,286
631	Fiscal Support	25,141	39,952	41,151	42,600	-	42,600	Inflation	43,452	44,408	45,429	46,520	47,636
632	License, Permit & Appl. Fee	32,688	37,584	950	-	-	-	Permits-LHLF	-	-	-	-	-
633	License, Permit & Appl. Fee 392	-	-	61,765	66,250	-	66,250	Permits-LHLF	36,562	17,391	17,391	36,562	36,562
634	Gen. Office Supplies	238	508	145	-	-	-	Inflation	-	-	-	-	-
635	Fuel and Lubricants	466	372	584	-	-	-	Sludge Hauling	-	-	-	-	-
636	Medical Supplies & Drugs	421	623	728	-	-	-	Inflation	-	-	-	-	-
637	Clothing & Wearing Apparel	9,473	6,326	4,952	-	-	-	Inflation	-	-	-	-	-
638	Clothing & Wearing Apparel 381	-	-	1,047	-	-	-	Inflation	-	-	-	-	-
639	Chem. Insect & Fertilizer	2,399	3,115	3,454	-	-	-	Chemicals	-	-	-	-	-
640	Food and Food Supplies	-	114	-	-	-	-	Inflation	-	-	-	-	-
641	Jani. & Other Maint. Supplies	10,441	11,487	6,454	-	-	-	Inflation	-	-	-	-	-
642	Jani. & Other Maint. Supplies 381	-	-	530	-	-	-	Inflation	-	-	-	-	-
643	Minor Equipment	32,265	18,694	12,307	5,000	-	5,000	Inf+LF	5,373	5,665	5,974	6,301	6,637
644	Minor Equipment 381	-	-	1,352	20,000	-	20,000	Inf+LF	21,492	22,659	23,895	25,205	26,548
645	Other Supplies	5,586	11,053	10,280	16,000	-	16,000	Inf+LF	17,193	18,127	19,116	20,164	21,239
646	Other Supplies 381	-	-	899	18,000	-	18,000	Inf+LF	19,343	20,393	21,505	22,685	23,894
647	Road Base Materials	-	3,359	-	-	-	-	Inflation	-	-	-	-	-
648	Cement and Concrete	10	40	-	-	-	-	Inflation	-	-	-	-	-
649	Reference Materials	637	60	-	-	-	-	Inflation	-	-	-	-	-
650	Memberships	3,676	2,004	2,542	2,000	-	2,000	Inflation	2,040	2,085	2,133	2,184	2,236
651	Memberships 381	-	-	-	2,000	-	2,000	Inflation	2,040	2,085	2,133	2,184	2,236
652	Educational Expenses	-	-	414	2,000	-	2,000	Inflation	2,040	2,085	2,133	2,184	2,236
653	Training/Seminars/Bus. Meeting	1,240	3,157	4,008	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
654	Furniture and Equipment	-	-	339,686	149,000	(149,000)	-	Eliminate	-	-	-	-	-
655	Furniture and Equipment	-	-	-	735,000	(735,000)	-	Eliminate	-	-	-	-	-
656	Vehicle & Rolling Stock	-	-	181,281	-	-	-	Eliminate	-	-	-	-	-
657	Total Operating Expense	\$ 2,883,363	\$ 2,572,514	\$ 4,494,734	\$ 3,819,058	\$ (805,733)	\$ 3,013,325		\$ 3,151,903	\$ 4,667,910	\$ 4,899,398	\$ 5,135,306	\$ 5,357,736
658	Total Lee-Hendry Landfill	\$ 4,822,185	\$ 4,692,612	\$ 5,895,787	\$ 5,292,981	\$ (800,657)	\$ 4,492,324		\$ 4,726,565	\$ 6,320,482	\$ 6,634,181	\$ 6,956,923	\$ 7,268,497
53410 - Closure													
659	Other Contracted Services	\$ 1,580,403	\$ 2,585,642	\$ -	\$ -	\$ -	\$ -	Inflation	-	-	-	-	-
660	Total Closure	\$ 1,580,403	\$ 2,585,642	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
53402- Solid Waste Fleet													
<u>Personnel Services</u>													
661	Salaries - Full Time Regular	\$ 31,999	\$ 27,771	\$ 23,008	\$ 31,825	\$ -	\$ 31,825	Labor	\$ 32,780	\$ 33,763	\$ 34,776	\$ 35,819	\$ 36,894
662	Special Pay (w/ Retirement)	-	-	35	-	-	-	Labor	-	-	-	-	-
663	Sick Leave	280	1,952	958	-	-	-	Labor	-	-	-	-	-
664	Vacation Leave	2,528	1,825	1,041	-	-	-	Labor	-	-	-	-	-
665	CPI-Consumer Price Index	-	-	-	955	-	955	Labor	984	1,013	1,044	1,075	1,107
666	Overtime (OT 1.0)	-	-	1,335	-	-	-	Labor	-	-	-	-	-
667	Overtime (OT 1.5)	-	-	993	-	-	-	Labor	-	-	-	-	-
668	Holiday Pay	1,578	1,367	1,098	-	-	-	Labor	-	-	-	-	-
669	FICA Taxes (OASDI)	2,242	2,021	1,698	2,032	-	2,032	Labor	2,093	2,156	2,220	2,287	2,356
670	FICA Taxes (Medicare)	524	473	397	476	-	476	Labor	490	505	520	536	552
671	Regular Retirement	2,918	2,738	2,549	3,278	-	3,278	Labor	3,376	3,478	3,582	3,689	3,800
672	Health Insurance	4,470	4,326	8,832	11,488	-	11,488	HealthIns	11,890	12,306	12,737	13,183	13,644
673	Health Ins Opt Out	-	-	-	6	-	6	HealthIns	6	6	7	7	7
674	Life Insurance	92	98	52	56	-	56	Inflation	57	58	60	61	63
675	Dental Insurance	178	155	222	252	-	252	Inflation	257	263	269	275	282
676	Disability Insurance	179	154	124	159	-	159	Inflation	162	166	170	174	178
677	Worker's Comp-(IGS)	1,951	1,939	24,100	24,100	-	24,100	Labor	24,823	25,568	26,335	27,125	27,939
678	Other Post-Employment Benefits (OPEB)	-	-	-	-	257	257	Labor	265	273	281	289	298
679	Total Personnel Services	\$ 48,938	\$ 44,818	\$ 66,442	\$ 74,627	\$ 257	\$ 74,884		\$ 77,183	\$ 79,555	\$ 81,999	\$ 84,520	\$ 87,118

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
Operating Expenses													
680	Other Professional Services	\$ 41,831	\$ 24,283	\$ 19,209	\$ 32,000	\$ -	\$ 32,000	Inflation	\$ 32,640	\$ 33,358	\$ 34,125	\$ 34,944	\$ 35,783
681	Uniform/Laundry Service	2,276	4,253	4,581	-	-	-	Inflation	-	-	-	-	-
682	Comp Data Proc & Netwk-IGS	-	-	34,488	32,056	-	32,056	Inflation	32,697	33,416	34,185	35,005	35,846
683	Data Processing	71,101	20,493	50,838	22,500	-	22,500	Inflation	22,950	23,455	23,994	24,570	25,160
684	Other Contracted Services	74,905	107,219	102,375	78,700	-	78,700	Inflation	80,274	82,040	83,927	85,941	88,004
685	Out-of-County Travel	-	-	-	750	-	750	Inflation	765	782	800	819	839
686	Telecommunications	1,283	1,442	3,125	2,700	-	2,700	Inflation	2,754	2,815	2,879	2,948	3,019
687	Advertising	-	552	-	-	-	-	Inflation	-	-	-	-	-
688	Int. Phone Line (IGS-Var)	-	4,822	4,788	4,389	-	4,389	Inflation	4,477	4,575	4,681	4,793	4,908
689	Int. Phone Usage (IGS-Var)	-	31	-	31	-	31	Inflation	32	32	33	34	35
690	Freight, Postage & Courier Svc	-	885	1,042	6,000	-	6,000	Inflation	6,120	6,255	6,398	6,552	6,709
691	Trash, Garbage&Sludge Removal	68	143	157	-	-	-	DisposalRate	-	-	-	-	-
692	All Utility Services	-	-	-	150	-	150	DisposalRate	155	159	164	169	174
693	Office Equip Lease	-	532	948	-	-	-	Inflation	-	-	-	-	-
694	Other Equipment Rental	2,251	2,546	28,845	-	-	-	Inflation	-	-	-	-	-
695	Rental & Lease (<12 mos, <\$5,000)	-	-	-	2,750	-	2,750	Inflation	2,805	2,867	2,933	3,003	3,075
696	Self Ins Assess-Auto Ins	2,029	559	-	1,123	-	1,123	Inflation	1,145	1,171	1,198	1,226	1,256
697	Building Maintenance	291	4,884	-	-	-	-	Repair	-	-	-	-	-
698	Maintenance Material	2,577	3,716	3,953	-	-	-	Repair	-	-	-	-	-
699	Vehicle Maintenance	651,827	716,326	447,380	-	-	-	Repair	-	-	-	-	-
700	Equipment Maintenance	223,279	413,959	582,113	-	-	-	Repair	-	-	-	-	-
701	Equipment Repair Parts	645,805	891,584	747,058	-	-	-	Repair	-	-	-	-	-
702	Repair & Maint. - Services & Labor	-	-	-	1,049,736	-	1,049,736	Repair	1,082,383	1,116,045	1,150,754	1,186,542	1,223,444
703	Repairs & Maint. - Parts	-	-	1,074	755,525	-	755,525	Repair	779,022	803,249	828,230	853,988	880,547
704	Tires & Tubes	167	-	32,337	-	-	-	Inflation	-	-	-	-	-
705	Batteries	6,995	10,057	9,859	-	-	-	Inflation	-	-	-	-	-
706	Internal Repair & Maint.	-	85	433	-	-	-	Repair	-	-	-	-	-
707	Pmtng, Bndng & Copy Ext	-	1,002	-	-	-	-	Inflation	-	-	-	-	-
708	Fiscal Support	-	24,890	25,637	26,540	-	26,540	Inflation	27,071	27,666	28,303	28,982	29,678
709	License,Permit & Appl.Fee	570	670	120	2,250	-	2,250	Inflation	2,295	2,345	2,399	2,457	2,516
710	Gen. Office Supplies	34	209	762	-	-	-	Inflation	-	-	-	-	-
711	Fuel and Lubricants	897,073	832,529	587,796	1,029,000	-	1,029,000	Fuel	1,070,160	1,112,966	1,157,485	1,203,784	1,251,936
712	Medical Supplies & Drugs	362	301	429	-	-	-	Inflation	-	-	-	-	-
713	Clothing & Wearing Apparel	4,274	5,255	12,973	-	-	-	Inflation	-	-	-	-	-
714	Chem, Insect & Fertilizer	3,493	3,835	7,054	-	-	-	Chemicals	-	-	-	-	-
715	Jani. & Other Maint. Supplies	28,920	30,153	41,450	-	-	-	Inflation	-	-	-	-	-
716	Minor Equipment	33,513	19,744	31,383	15,000	-	15,000	Inflation	15,300	15,637	15,996	16,380	16,773
717	Other Supplies	7,567	4,410	18,243	48,900	-	48,900	Inflation	49,878	50,975	52,148	53,399	54,681
718	Other Road Materials	1,698	-	-	-	-	-	Inflation	-	-	-	-	-
719	Reference Materials	3,899	6,622	580	3,000	-	3,000	Inflation	3,060	3,127	3,199	3,276	3,355
720	Memberships	196	212	218	250	-	250	Inflation	255	261	267	273	280
721	Educational Expenses	-	-	276	1,000	-	1,000	Inflation	1,020	1,042	1,066	1,092	1,118
722	Training/Seminars/Bus. Meeting	-	-	1,148	-	-	-	Inflation	-	-	-	-	-
767	Furniture and Equipment	-	-	80,286	20,000	(20,000)	-	Eliminate	-	-	-	-	-
768	Vehicle & Rolling Stock	-	-	199,695	-	-	-	Eliminate	-	-	-	-	-
769	Total Operating Expense	\$ 2,708,282	\$ 3,138,202	\$ 3,082,653	\$ 3,134,350	\$ (20,000)	\$ 3,114,350		\$ 3,217,257	\$ 3,324,239	\$ 3,435,165	\$ 3,550,180	\$ 3,669,134
770	Total Solid Waste Fleet	\$ 2,757,221	\$ 3,183,020	\$ 3,149,094	\$ 3,208,977	\$ (19,743)	\$ 3,189,234		\$ 3,294,440	\$ 3,403,794	\$ 3,517,164	\$ 3,634,700	\$ 3,756,252

53400- General Fund / Solid Waste Control

Personnel Services

771	Salaries - Full Time Regular	\$ 1,122	\$ -	\$ -	\$ -	\$ -	\$ -	Labor	\$ -	\$ -	\$ -	\$ -	\$ -
772	Sick Leave	7	-	-	-	-	-	Labor	-	-	-	-	-
773	Vacation Leave	90	-	-	-	-	-	Labor	-	-	-	-	-
774	Overtime (OT 1.0)	31	-	-	-	-	-	Labor	-	-	-	-	-
775	Overtime (OT 1.5)	329	-	-	-	-	-	Labor	-	-	-	-	-
776	Holiday Pay	36	-	-	-	-	-	Labor	-	-	-	-	-
777	FICA Taxes (OASDI)	100	-	-	-	-	-	Labor	-	-	-	-	-
778	FICA Taxes (Medicare)	23	-	-	-	-	-	Labor	-	-	-	-	-
779	Regular Retirement	129	-	-	-	-	-	Labor	-	-	-	-	-
780	Health Insurance	184	-	-	-	-	-	Labor	-	-	-	-	-
781	Life Insurance	3	-	-	-	-	-	Labor	-	-	-	-	-

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
782	Dental Insurance	9	-	-	-	-	-	Labor	-	-	-	-	-
783	Disability Insurance	6	-	-	-	-	-	Labor	-	-	-	-	-
784	Total Personnel Services	\$ 2,068	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
785	Total General Fund	\$ 2,068	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
ZZ/CB/GE/400 - Other Expense													
<u>Personnel Services</u>													
786	Compensated Absences	\$ 18,974	\$ 73,908	\$ 71,081	\$ -	\$ -	\$ -	Labor	\$ -	\$ -	\$ -	\$ -	\$ -
787	Pension Expense (Finance Only)	-	(2,586)	-	-	-	-	Labor	-	-	-	-	-
788	OPEB - Current Year Expenditures	2,365,403	-	-	-	-	-	Labor	-	-	-	-	-
789	OPEB-United	3,245	5,181	4,863	-	-	-	Labor	-	-	-	-	-
790	OPEB-Aetna	11,862	30,859	32,702	-	-	-	Labor	-	-	-	-	-
791	Total Personnel Services	\$ 2,399,484	\$ 107,362	\$ 108,646	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
<u>Operating Expenses</u>													
	Financial Services	\$ 3,740	\$ -	\$ -	\$ -	\$ -	\$ -	Inflation	\$ -	\$ -	\$ -	\$ -	\$ -
792	Tax Collector Financial Services	420,601	433,112	442,539	-	-	-	Inflation	-	-	-	-	-
793	Architect and Engin. Servc	-	60,261	-	-	-	-	Inflation	-	-	-	-	-
793	Appraisal Services	13,929	15,450	14,965	-	-	-	Inflation	-	-	-	-	-
794	Other Professional Services	19,883	-	-	-	-	-	Inflation	-	-	-	-	-
794	Other Professional Services	-	48,967	24,181	-	-	-	Inflation	-	-	-	-	-
795	Other Professional Services	265,357	268,494	272,979	-	-	-	Inflation	-	-	-	-	-
798	Data Processing	-	(2,165)	(11,605)	-	-	-	Inflation	-	-	-	-	-
799	Other Contracted Services	646,474	-	-	-	-	-	Inflation	-	-	-	-	-
800	Building Maintenance	37,901	-	-	-	-	-	Inflation	-	-	-	-	-
801	Equipment Repair Parts	36,554	-	-	-	-	-	Inflation	-	-	-	-	-
802	Equipment Repair Parts	38,102	40,898	-	-	-	-	Inflation	-	-	-	-	-
803	Equipment Repair Parts	78,810	44,976	77,036	-	-	-	Inflation	-	-	-	-	-
810	License, Permit, & Appl. Fee	(10,789)	4,592	7,280	-	-	-	Inflation	-	-	-	-	-
811	Training/Seminars/Bus. Meeting	4,670	-	-	-	-	-	Inflation	-	-	-	-	-
812	Total Operating Expenses	\$ 1,555,232	\$ 914,584	\$ 827,375	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
813	Total ZZ/CB/GE/400 - Other Expense	\$ 3,954,716	\$ 1,021,946	\$ 936,021	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
11116440100 - Hurricane													
<u>Operating Expenses</u>													
814	Architect and Engin. Servc	\$ 100,547	\$ -	\$ -	\$ -	\$ -	\$ -	Calculated	\$ -	\$ -	\$ -	\$ -	\$ -
815	Other Professional Services	420,435	865,794	-	-	-	-	Calculated	-	-	-	-	-
816	Other Contracted Services	32,480,615	55,522	-	-	-	-	Calculated	-	-	-	-	-
817	Building Maintenance	-	1,141,527	-	-	-	-	Calculated	-	-	-	-	-
818	Advertising	8,790	-	-	-	-	-	Calculated	-	-	-	-	-
819	Trash, Garbage&Sludge Removal	245,870	995	-	-	-	-	Calculated	-	-	-	-	-
820	Land, Bldg, Parking Rental	9,971	1,458	-	-	-	-	Calculated	-	-	-	-	-
821	Other Equipment Rental	568	-	-	-	-	-	Calculated	-	-	-	-	-
822	Equipment Repair Parts	2,590	-	-	-	-	-	Calculated	-	-	-	-	-
823	Deputy Clerk Fees	36	-	-	-	-	-	Calculated	-	-	-	-	-
824	Minor Equipment	1,135	-	-	-	-	-	Calculated	-	-	-	-	-
825	Other Road Materials	1,546	-	-	-	-	-	Calculated	-	-	-	-	-
826	Furniture and Equipment	16,768	64,995	-	-	-	-	Calculated	-	-	-	-	-
827	Total Operating Expense	\$ 33,288,869	\$ 2,130,292	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
828	Total 11116440100 - Hurricane	\$ 33,288,869	\$ 2,130,292	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

Table 8
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical and Projected Operating Expenses

Line No.	Description	Actual			Budget 2021	Adjustments	Adjusted 2021	Escalation Reference	Fiscal Year Ending September 30,				
		2018	2019	2020					2022	2023	2024	2025	2026
10116440100 - Hurricane / Compost Building													
Operating Expenses													
829	Architect and Engin. Servc	\$ -	\$ 60,261	\$ -	\$ -	\$ -	\$ -	Eliminate	\$ -	\$ -	\$ -	\$ -	\$ -
830	Professional Services	-	-	152,983	-	-	-	Eliminate	-	-	-	-	-
831	Improvement Construction	-	-	152,983	-	-	-	Eliminate	-	-	-	-	-
830	Total Operating Expense	\$ -	\$ 60,261	\$ 305,967	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
831	Total 10116440100 - Hurricane / Compost Building	\$ -	\$ 60,261	\$ 305,967	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
832	Grand Total Operating Budget	\$ 114,040,593	\$ 86,924,410	\$ 86,022,740	\$ 89,535,804	\$ (2,578,301)	\$ 86,957,503		\$ 89,787,725	\$ 94,208,781	\$ 97,325,711	\$ 100,569,368	\$ 103,693,516

Table 9
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Projected Operating Expense Escalation Factors

Line No.	Description	Escalation Reference	Fiscal Year Ending September 30,				
			2022	2023	2024	2025	2026
Operating Escalation Factors							
1	Constant	Constant	1.0000	1.0000	1.0000	1.0000	1.0000
2	General Inflation - Consumer Price Index (CPI-U) [*]	Inflation	1.0200	1.0220	1.0230	1.0240	1.0240
3	Labor	Labor	1.0300	1.0300	1.0300	1.0300	1.0300
4	Electric	Electric	1.0250	1.0250	1.0250	1.0250	1.0250
5	Water and Sewer	W&S	1.0500	1.0500	1.0500	1.0500	1.0500
6	Gas / Fuel	Fuel	1.0400	1.0400	1.0400	1.0400	1.0400
7	Chemicals	Chemicals	1.0375	1.0375	1.0375	1.0375	1.0375
8	Health Insurance	HealthIns	1.0350	1.0350	1.0350	1.0350	1.0350
9	Solid Waste Disposal Fee Increase	DisposalRate	1.0300	1.0300	1.0300	1.0300	1.0300
10	Repairs and Maintenance	Repair	1.0311	1.0311	1.0311	1.0311	1.0311
11	Eliminate	Eliminate	0.0000	0.0000	0.0000	0.0000	0.0000
12	Calculated	Calculated	1.0000	1.0000	1.0000	1.0000	1.0000
13	Population Growth	Pop	1.0215	1.0211	1.0206	1.0202	1.0166
14	Change in Population Growth	Pop Change	0.9785	0.9789	0.9794	0.9798	0.8195
15	Population + Inflation	Pop+Inf	1.0419	1.0435	1.0441	1.0447	1.0410
16	Population + Landfill	Pop+LF	1.0773	1.0540	1.0528	1.0517	1.0463
17	Landfill	LF	1.0546	1.0323	1.0315	1.0308	1.0293
18	Inflation + Landfill	Inf+LF	1.0746	1.0543	1.0545	1.0548	1.0533
19	Labor + Landfill	Labor+LF	1.0846	1.0623	1.0615	1.0608	1.0593
20	Disposal Cost Center Hauling Costs (WTE to LHLF)	DisposalHauling	1.0672	1.0503	1.0507	1.0512	1.0500
21	Landfill Cost Center Hauling Costs (Sludge to LHLF)	SludgeHauling	1.0200	1.0220	1.0230	1.0240	1.0240
22	Franchise Hauler MSW Diversions	FranchiseDivert	1.0433	1.0345	1.0355	1.0364	1.0359
23	Municipal Cost Index	MCI	1.0258	1.0258	1.0258	1.0258	1.0258
24	Urban Wage Earners and Clerical Workers (CPI-W)	CPI-W	1.0250	1.0250	1.0250	1.0250	1.0250
25	Employment Cost Index (NAICS) - Total Compensation	NAICS-A	1.0250	1.0250	1.0250	1.0250	1.0250
26	Employment Cost Index (NAICS) - Salaries and Wages	NAICS-B	1.0250	1.0250	1.0250	1.0250	1.0250
27	Machinery and Equipment Index	Machine	1.0300	1.0300	1.0300	1.0300	1.0300
Cumulative Capital Improvement Plan Escalation Factors							
28	Constant	Constant	1.0000	1.0000	1.0000	1.0000	1.0000
29	Capital Outlay	Outlay	1.0300	1.0610	1.0930	1.1260	1.1600
30	Repairs and Maintenance	Repair	1.0311	1.0630	1.0960	1.1300	1.1650
31	Marginal Increase	Marginal	1.0100	1.0200	1.0300	1.0400	1.0500
32	High Increase	High	1.0500	1.1030	1.1580	1.2160	1.2770
33	Inflation	Inflation	1.0200	1.0420	1.0660	1.0920	1.1180

Footnote:

[*] Inflation figures obtained from the "The Budget and Economic Outlook: An Update" published by the Congressional Budget Office in August 2019.

Table 10
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Six-Year Capital Improvement Program

Line No.	Project Number	Description	Funding Source	Adjusted 2021	Fiscal Year Ended September 30,					6-Year Total
					2022	2023	2024	2025	2026	
Disposal										
Capital Projects										
1	200658	Materials Recovery Facility	Cap	\$ -	\$ 1,500,000	\$ 2,400,000	\$ -	\$ -	\$ -	\$ 3,900,000
2	200658	Materials Recovery Facility (Split Funding)	NewDebt1	-	-	-	7,000,000	12,500,000	8,500,000	28,000,000
3	N/A	Buckingham Resource Area	Cap	-	-	-	570,000	-	-	570,000
4	N/A	Landfill Connectivity	Cap	-	476,000	-	-	-	-	476,000
5	N/A	LCCF Capacity Improvements	Cap	-	800,000	1,400,000	2,200,000	-	-	4,400,000
6	200680	Buckingham Scale Improvements	Cap	658,921	-	-	-	-	-	658,921
7	200957	C&D Facility Improvements	Cap	966,365	-	-	-	-	-	966,365
8	200955	Parts and Equipment Storage Area	Cap	837,000	-	-	-	-	-	837,000
9	200701	Materials Processing Improvements	Cap	649,000	-	-	-	-	-	649,000
10	200657	Compost Facility and Well Improvements	Cap	751,395	-	-	-	-	-	751,395
11	200936	Landfill Gas Collection System	Cap	100,000	-	-	-	700,000	-	800,000
12	200956	Landfill Expansion: Class I/PHIII (Garbage)	Cap	2,558,940	2,500,000	6,000,000	4,230,000	-	-	15,288,940
13	200715	Landfill Expansion: Class III/PHIII (C&D)	Cap	-	-	-	400,000	-	3,400,000	3,800,000
14	200710	Ash Monofill Leachate System Modification	Cap	1,058,079	-	-	-	-	-	1,058,079
15	200682	Umbrella - Equipment Related to MRF Agreement	Cap	104,000	577,000	-	-	-	-	681,000
16	200681	Umbrella - Buckingham Upgrades	Cap	95,450	150,000	-	-	-	-	245,450
17	200683	Umbrella - Generators	Cap	222,000	154,000	-	-	-	-	376,000
18	200684	Umbrella - Mechanical Systems	Cap	194,453	58,300	30,000	30,000	30,000	30,000	372,753
19	200685	Umbrella - Scales	Cap	-	122,000	198,000	201,000	-	-	521,000
20	200624	Hendry County Transfer Station Improvements	Cap	554,312	2,040,000	-	-	-	-	2,594,312
21		Total Capital Projects - Disposal		8,749,915	8,377,300	10,028,000	14,631,000	13,230,000	11,930,000	66,946,215
Major Maintenance										
22	400941	Landfill Leachate System Maintenance	R&R	\$ 275,037	\$ 285,000	\$ 285,000	\$ 285,000	\$ 285,000	\$ 285,000	\$ 1,700,037
23	400944	R&R Church Rd.	R&R	40,600	-	21,800	22,400	23,000	23,600	131,400
24	400945	R&R Asphalt and Paving Repairs	R&R	392,447	121,900	125,350	128,800	132,250	120,000	1,020,747
25	400942	R&R - C&D Facility	R&R	110,739	148,050	100,825	103,600	106,375	109,150	678,739
26	400943	R&R Compost Facility	R&R	162,400	84,800	87,200	89,600	92,000	94,400	610,400
27	403272	R&R Generator Maintenance	R&R	10,300	-	-	-	-	-	10,300
28	403274	R&R Scale Systems	R&R	60,900	31,800	32,700	33,600	34,500	34,500	228,000
29	403273	R&R Tipping Floors	R&R	317,500	120,000	125,000	130,000	130,000	130,000	952,500
30	N/A	Roof Systems	R&R	-	-	250,000	-	-	-	250,000
31	N/A	MRF Life Extension Projects	R&R	-	500,000	500,000	500,000	500,000	500,000	2,500,000
32	N/A	WTE Life Extension Projects	R&R	-	800,000	800,000	800,000	800,000	800,000	4,000,000
33		Total Major Maintenance - Disposal		\$ 1,639,428	\$ 2,091,550	\$ 2,327,875	\$ 2,093,000	\$ 2,103,125	\$ 2,096,650	\$ 12,351,628
34	506	Departmental Capital Outlay	Rates	\$ 1,742,884	\$ 2,550,000	\$ 2,605,000	\$ 2,665,000	\$ 2,730,000	\$ 2,795,000	\$ 15,087,884
35		Total Capital Improvement Plan - Disposal		\$ 12,132,227	\$ 13,018,850	\$ 14,960,875	\$ 19,389,000	\$ 18,063,125	\$ 16,821,650	\$ 94,385,727
36		Grand Total Capital Improvement Plan		\$ 12,132,227	\$ 13,018,850	\$ 14,960,875	\$ 19,389,000	\$ 18,063,125	\$ 16,821,650	\$ 94,385,727

Table 10
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Six-Year Capital Improvement Program

Line No.	Project Number	Description	Funding Source	Adjusted 2021	Fiscal Year Ended September 30,					6-Year Total
					2022	2023	2024	2025	2026	
		Total Capital Improvement Plan Funding Sources								
37		Rate Revenue	Rates	\$ 1,742,884	\$ 2,550,000	\$ 2,605,000	\$ 2,665,000	\$ 2,730,000	\$ 2,795,000	\$ 15,087,884
38		System Reserve Fund - Solid Waste Management (Capital Account)	Cap	8,749,915	8,377,300	10,028,000	7,631,000	730,000	3,430,000	38,946,215
39		Renewal and Replacement	R&R	1,639,428	2,091,550	2,327,875	2,093,000	2,103,125	2,096,650	12,351,628
40		New Debt 1	NewDebt1	-	-	-	7,000,000	12,500,000	8,500,000	28,000,000
41		Total Allocated Funding Sources		<u>\$ 12,132,227</u>	<u>\$ 13,018,850</u>	<u>\$ 14,960,875</u>	<u>\$ 19,389,000</u>	<u>\$ 18,063,125</u>	<u>\$ 16,821,650</u>	<u>\$ 94,385,727</u>

Table 11
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Projected Annual Debt Service Payments - Accrual Basis

Line No.	Fiscal Year	Total Debt Service - Existing and Proposed			Total Ending Principal Outstanding
		Principal	Interest	Total	
1	2021	\$ 6,385,000	\$ 2,179,000	\$ 8,564,000	\$ 65,475,000
2	2022	6,715,000	1,859,750	8,574,750	58,760,000
3	2023	7,065,000	1,524,000	8,589,000	51,695,000
4	2024	8,303,107	2,514,050	10,817,157	43,391,893
5	2025	8,714,817	2,101,090	10,815,907	34,677,075
6	2026	9,158,509	1,667,649	10,826,157	25,518,567
7	2027	1,009,275	1,212,132	2,221,407	24,509,292
8	2028	1,057,216	1,164,191	2,221,407	23,452,076
9	2029	1,107,434	1,113,974	2,221,407	22,344,642
10	2030	1,160,037	1,061,370	2,221,407	21,184,605
11	2031	1,215,138	1,006,269	2,221,407	19,969,467
12	2032	1,272,858	948,550	2,221,407	18,696,609
13	2033	1,333,318	888,089	2,221,407	17,363,291
14	2034	1,396,651	824,756	2,221,407	15,966,640
15	2035	1,462,992	758,415	2,221,407	14,503,648
16	2036	1,532,484	688,923	2,221,407	12,971,164
17	2037	1,605,277	616,130	2,221,407	11,365,888
18	2038	1,681,528	539,880	2,221,407	9,684,360
19	2039	1,761,400	460,007	2,221,407	7,922,960
20	2040	1,845,067	376,341	2,221,407	6,077,893
21	2041	1,932,707	288,700	2,221,407	4,145,186
22	2042	2,024,511	196,896	2,221,407	2,120,675
23	2043	2,120,675	100,732	2,221,407	-
24	2044	-	-	-	-
25	2045	-	-	-	-
26	2046	-	-	-	-
27	2047	-	-	-	-
28	2048	-	-	-	-
29	2049	-	-	-	-
30	2050	-	-	-	-
31	2051	-	-	-	-
32	2052	-	-	-	-
33	2053	-	-	-	-

Table 12
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Projected Fund Balances and Interest Income

		Interest Income Restriction		Fiscal Year Ending September 30,					
Line No.	Description	Rev Req	Coverage	2021	2022	2023	2024	2025	2026
ENDING CASH BALANCE SUMMARY:									
1	OPERATIONS AND MAINTENANCE FUND	(U)	(U)	\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342
2	O&M FUND CUSTOMER DEPOSITS	(U)	(U)	22,825	22,825	22,825	22,825	22,825	22,825
3	DEBT SERVICE SINKING FUND	(U)	(U)	7,472,929	7,643,304	7,825,429	9,558,561	9,763,791	9,990,762
4	DEBT SERVICE FUND RESERVE ACCOUNT	(U)	(U)	7,710,290	7,710,290	7,710,290	7,710,290	7,710,290	0
5	RENEWAL AND REPLACEMENT FUND	(U)	(U)	2,870,739	2,870,739	2,870,739	2,870,739	2,870,739	2,870,739
6	SYSTEM RESERVE FUND	(U)	(U)	28,403,657	24,885,175	27,078,455	29,158,994	30,310,163	32,771,239
7	DEBT PROCEEDS	(U)	(U)	0	0	0	21,000,000	8,500,000	0
8	SYSTEM RESERVE FUND - RECYCLING	(U)	(U)	0	0	0	0	0	0
9	SYSTEM RESERVE FUND CIP	(U)	(U)	11,301,490	11,301,490	11,301,490	11,301,490	11,301,490	11,301,490
10	LANDFILL CLOSURE FUND	(R)	(R)	14,835,285	16,322,965	17,919,070	19,661,559	21,550,085	23,567,888
11	RATE STABILIZATION FUND	(U)	(U)	26,792,748	26,792,748	19,792,748	14,792,748	17,792,748	24,792,748
12	TOTAL PROJECTED END OF YEAR BALANCES			\$110,943,306	\$109,082,879	\$106,054,389	\$127,610,549	\$121,355,474	\$116,851,034
13				\$ 111,742,799	\$ 109,542,518	\$ 106,044,520	\$ 127,328,120	\$ 120,902,166	\$ 116,111,140
OPERATIONS AND MAINTENANCE FUND									
14	Beginning Balance			\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342
16	Transfers In - Rate Revenues for Operating Expenses			86,957,503	89,787,725	94,208,781	97,325,711	100,569,368	103,693,516
17	Transfers Out - Operating Expenses			86,957,503	89,787,725	94,208,781	97,325,711	100,569,368	103,693,516
18	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
19	Interest Income in Fund	(U)	(U)	173,000	173,000	173,000	173,000	173,000	173,000
20	Use of Interest Income to Fund Revenue Requirements			173,000	173,000	173,000	173,000	173,000	173,000
21	Ending Balance			\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342	\$11,533,342
O&M FUND CUSTOMER DEPOSITS									
22	Beginning Balance			\$22,825	\$22,825	\$22,825	\$22,825	\$22,825	\$22,825
23	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
24	Interest Income in Fund	(U)	(U)	300	300	300	300	300	300
25	Use of Interest Income to Fund Revenue Requirements			300	300	300	300	300	300
26	Ending Balance			\$22,825	\$22,825	\$22,825	\$22,825	\$22,825	\$22,825
DEBT SERVICE SINKING FUND									
27	Beginning Balance			\$7,314,804	\$7,472,929	\$7,643,304	\$7,825,429	\$9,558,561	\$9,763,791
28	Transfers In - Rate Revenues / Accrued Payments			8,564,000	8,574,750	8,589,000	10,817,157	10,815,907	10,826,157
29	Transfers Out - Debt Payments / Cash Basis			8,405,875	8,404,375	8,406,875	9,084,025	10,610,677	10,599,187
30	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
31	Interest Income in Fund	(U)	(U)	110,900	113,400	116,000	130,400	144,900	148,200
32	Use of Interest Income to Fund Revenue Requirements			110,900	113,400	116,000	130,400	144,900	148,200
33	Ending Balance			\$7,472,929	\$7,643,304	\$7,825,429	\$9,558,561	\$9,763,791	\$9,990,762

Table 12
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Projected Fund Balances and Interest Income

		Interest Income Restriction		Fiscal Year Ending September 30,					
Line No.	Description	Rev Req	Coverage	2021	2022	2023	2024	2025	2026
DEBT SERVICE FUND RESERVE ACCOUNT									
34	Beginning Balance			\$7,710,290	\$7,710,290	\$7,710,290	\$7,710,290	\$7,710,290	\$7,710,290
35	Transfers Out - Release of Series 2016 Debt Service Reserve Account Requirement			0	0	0	0	0	7,710,290
36	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
37	Interest Income in Fund	(U)	(U)	115,700	115,700	115,700	115,700	115,700	57,800
38	Use of Interest Income to Fund Revenue Requirements			115,700	115,700	115,700	115,700	115,700	57,800
39	Ending Balance			\$7,710,290	\$7,710,290	\$7,710,290	\$7,710,290	\$7,710,290	\$0
RENEWAL AND REPLACEMENT FUND									
40	Beginning Balance			\$2,870,739	\$2,870,739	\$2,870,739	\$2,870,739	\$2,870,739	\$2,870,739
41	Transfers In/(Out) - System Reserve Fund			1,639,428	2,091,550	2,327,875	2,093,000	2,103,125	2,096,650
42	Transfers Out - CIP / Major Maintenance			1,639,428	2,091,550	2,327,875	2,093,000	2,103,125	2,096,650
43	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
44	Interest Income in Fund	(U)	(U)	43,100	43,100	43,100	43,100	43,100	43,100
45	Use of Interest Income to Fund Revenue Requirements			43,100	43,100	43,100	43,100	43,100	43,100
46	Ending Balance			\$2,870,739	\$2,870,739	\$2,870,739	\$2,870,739	\$2,870,739	\$2,870,739
SYSTEM RESERVE FUND									
47	Beginning Balance			\$37,317,506	\$28,403,657	\$24,885,175	\$27,078,455	\$29,158,994	\$30,310,163
48	Transfers In - Revenue Requirements from Rate Revenues			1,475,494	6,950,368	7,549,155	6,804,539	3,984,294	277,436
49	Transfers In - Rate Stabilization			0	0	7,000,000	5,000,000	0	0
50	Transfers In - Release Debt Service Reserve			0	0	0	0	0	7,710,290
53	Transfers Out - Renewal and Replacement Fund			1,639,428	2,091,550	2,327,875	2,093,000	2,103,125	2,096,650
54	Transfers Out - System Reserves CIP			8,749,915	8,377,300	10,028,000	7,631,000	730,000	3,430,000
55	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
56	Interest Income in Fund	(U)	(U)	492,900	399,700	389,700	421,800	446,000	473,100
57	Use of Interest Income to Fund Revenue Requirements			492,900	399,700	389,700	421,800	446,000	473,100
58	End of Year Surplus / (Deficiency)			0	0	0	0	0	0
59	Ending Balance			\$28,403,657	\$24,885,175	\$27,078,455	\$29,158,994	\$30,310,163	\$32,771,239
DEBT PROCEEDS									
60	Beginning Balance			\$0	\$0	\$0	\$0	\$21,000,000	\$8,500,000
61	Transfers In - New Debt 1 Proceeds			0	0	0	28,000,000	0	0
62	Transfers Out - CIP			0	0	0	7,000,000	12,500,000	8,500,000
63	Interest Rate		(S)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
64	Interest Income in Fund	(U)	(U)	0	0	0	0	0	0
65	Use of Interest Income to Fund Revenue Requirements			0	0	0	0	0	0
66	Ending Balance			\$0	\$0	\$0	\$21,000,000	\$8,500,000	\$0

Table 12
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Projected Fund Balances and Interest Income

Line No.	Description	Interest Income Restriction		Fiscal Year Ending September 30,					
		Rev Req	Coverage	2021	2022	2023	2024	2025	2026
SYSTEM RESERVE FUND CIP									
67	Beginning Balance			\$11,301,490	\$11,301,490	\$11,301,490	\$11,301,490	\$11,301,490	\$11,301,490
68	Transfers In - Rate Revenues Reserve Balances			8,749,915	8,377,300	10,028,000	7,631,000	730,000	3,430,000
69	Transfers Out - Transfers			8,749,915	8,377,300	10,028,000	7,631,000	730,000	3,430,000
70	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
71	Interest Income in Fund	(U)	(U)	169,500	169,500	169,500	169,500	169,500	169,500
72	Use of Interest Income to Fund Revenue Requirements			169,500	169,500	169,500	169,500	169,500	169,500
73	Ending Balance			\$11,301,490	\$11,301,490	\$11,301,490	\$11,301,490	\$11,301,490	\$11,301,490
LANDFILL CLOSURE FUND									
74	Beginning Balance			\$12,315,824	\$14,835,285	\$16,322,965	\$17,919,070	\$19,661,559	\$21,550,085
75	Transfers In - Annual Operations / Rate Revenues			2,317,361	1,255,779	1,341,206	1,462,688	1,581,727	1,681,903
76	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
77	Interest Income in Fund	(R)	(R)	202,100	231,900	254,900	279,800	306,800	335,900
78	Use of Interest Income to Fund Revenue Requirements			0	0	0	0	0	0
79	Ending Balance			\$14,835,285	\$16,322,965	\$17,919,070	\$19,661,559	\$21,550,085	\$23,567,888
RATE STABILIZATION FUND									
80	Beginning Balance			\$26,792,748	\$26,792,748	\$26,792,748	\$19,792,748	\$14,792,748	\$17,792,748
81	Transfers In - Rate Revenues			0	0	0	0	3,000,000	7,000,000
82	Transfers Out - System Reserves Fund			0	0	7,000,000	5,000,000	0	0
83	Interest Rate		(S)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
84	Interest Income in Fund	(U)	(U)	401,900	401,900	349,400	259,400	244,400	319,400
85	Use of Interest Income to Fund Revenue Requirements			401,900	401,900	349,400	259,400	244,400	319,400
86	Ending Balance			\$26,792,748	\$26,792,748	\$19,792,748	\$14,792,748	\$17,792,748	\$24,792,748

Table 13
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Disposal Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
1	Operation and Maintenance Expenses	\$ 60,204,239	\$ 62,007,059	\$ 65,370,463	\$ 67,398,281	\$ 69,520,846	\$ 71,578,522
	Other Revenue Requirements						
	Annual Debt Service:						
2	Series 2016 Bonds	\$ 8,564,000	\$ 8,574,750	\$ 8,589,000	\$ 8,595,750	\$ 8,594,500	\$ 8,604,750
3	New Debt 1	-	-	-	2,221,407	2,221,407	2,221,407
4	Total Annual Debt Service	\$ 8,564,000	\$ 8,574,750	\$ 8,589,000	\$ 10,817,157	\$ 10,815,907	\$ 10,826,157
	Other Transfers and Funding Requirements:						
5	Capital Funded From Rates	\$ 1,742,884	\$ 2,550,000	\$ 2,605,000	\$ 2,665,000	\$ 2,730,000	\$ 2,795,000
6	Transfer to Landfill Closure Fund	2,317,361	1,255,779	1,341,206	1,462,688	1,581,727	1,681,903
7	Transfer to System Reserves	1,475,494	6,950,368	7,549,155	6,804,539	3,984,294	277,436
8	Transfer to System Reserves - Rate Stabilization	-	-	-	-	3,000,000	7,000,000
9	Total Other Transfers and Funding Requirements	\$ 5,535,739	\$ 10,756,147	\$ 11,495,361	\$ 10,932,227	\$ 11,296,021	\$ 11,754,339
10	Total Other Revenue Requirements	14,099,739	19,330,897	20,084,361	21,749,384	22,111,928	22,580,496
11	Gross Revenue Requirements	\$ 74,303,978	\$ 81,337,956	\$ 85,454,824	\$ 89,147,665	\$ 91,632,774	\$ 94,159,019
	Less Income and Funds from Other Sources:						
	Interest Income						
12	Operations And Maintenance Fund	\$ 173,000	\$ 173,000	\$ 173,000	\$ 173,000	\$ 173,000	\$ 173,000
13	System Reserve Fund Cip	169,500	169,500	169,500	169,500	169,500	169,500
14	Debt Service Sinking Fund	110,900	113,400	116,000	130,400	144,900	148,200
15	Debt Service Fund Reserve Account	115,700	115,700	115,700	115,700	115,700	57,800
16	Renewal And Replacement Fund	43,100	43,100	43,100	43,100	43,100	43,100
17	Landfill Closure Fund	-	-	-	-	-	-
18	Debt Proceeds	-	-	-	-	-	-
19	System Reserve Fund	492,900	399,700	389,700	421,800	446,000	473,100
20	Rate Stabilization Fund	401,900	401,900	349,400	259,400	244,400	319,400
21	Gross Energy Revenues	6,670,518	6,669,601	6,668,681	6,667,756	6,666,826	6,665,938
22	Comm. Electronics Revenue	15,000	15,000	15,000	15,000	15,000	15,000
24	Sale of Equipment	182,500	217,640	217,640	217,640	217,640	217,640
25	Miscellaneous Revenues (Sale of Metals)	375,000	375,000	375,000	375,000	375,000	375,000
26	Franchise Fees (County)	1,400,000	1,714,286	1,750,375	1,786,464	1,822,553	1,852,726
27	Franchise Fees (Municipalities)	560,000	685,714	700,150	714,586	729,021	741,090
28	Advanced Disposal Fees	300,000	300,000	300,000	300,000	300,000	300,000
30	Contracted Sludge Disposal	2,291,842	2,291,842	2,291,842	2,291,842	2,291,842	2,291,842
31	Compost Sales	281,103	281,103	281,103	281,103	281,103	281,103

Table 13
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Disposal Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
32	Ferrous/Non-Ferrous Revenues (County)	646,262	646,262	646,262	646,262	646,262	646,262
33	Ferrous/Non-Ferrous Revenues (Covanta)	646,262	646,262	646,262	646,262	646,262	646,262
34	Recycling Residue	960,000	988,800	1,018,464	1,049,018	1,080,488	1,112,903
35	Recycling Host Fees	500,000	500,000	500,000	500,000	500,000	500,000
37	Transfers from Rate Stabilization Fund	-	-	-	-	-	-
	Total Income and Funds from Other Sources	\$ 16,335,786	\$ 16,748,109	\$ 16,767,478	\$ 16,804,132	\$ 16,908,897	\$ 17,030,167
38	Net Revenue Requirements from Rates	\$ 57,968,192	\$ 64,589,847	\$ 68,687,346	\$ 72,343,533	\$ 74,723,876	\$ 77,128,852
<u>DISPOSAL FEE REVENUE:</u>							
Revenues Under Existing & Adopted Rates:							
39	Residential Assessed Tip Fees	\$ 9,068,267	\$ 10,267,685	\$ 10,452,234	\$ 10,636,669	\$ 10,821,074	\$ 10,990,349
40	Disposal Facility Assessment	11,241,760	11,754,228	11,918,959	12,083,896	12,249,079	12,403,181
41	Recycling Fee	3,179,251	3,234,968	3,291,100	3,347,398	3,403,998	3,457,035
42	Assessment Billing Charge	691,397	703,726	715,521	727,343	739,198	740,925
43	Tipping Fees	34,918,416	35,553,533	35,923,634	36,298,652	36,678,769	37,063,877
44	Total Disposal Rate / Fee Revenue - Existing Rates	\$ 59,099,091	\$ 61,514,140	\$ 62,301,448	\$ 63,093,958	\$ 63,892,118	\$ 64,655,368

Table 13
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Disposal Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
	Rate Adjustment Input (%):						
45	Residential Assessed Tip Fees	0.0%	5.00%	5.00%	4.00%	2.00%	2.00%
46	Disposal Facility Assessment	0.0%	5.00%	5.00%	4.00%	2.00%	2.00%
47	Recycling Fee	0.0%	5.00%	5.00%	4.00%	2.00%	2.00%
48	Assessment Billing Charge	0.0%	5.00%	5.00%	4.00%	2.00%	2.00%
49	Tipping Fees	0.0%	5.00%	5.00%	4.00%	2.00%	2.00%
	Calculated Prior Period Rate Adjustment Revenues:						
50	Residential Assessed Tip Fees	N/A	\$ -	\$ 522,612	\$ 1,090,259	\$ 1,586,369	\$ 1,863,216
51	Disposal Facility Assessment	N/A	-	595,948	1,238,599	1,795,715	2,102,736
52	Recycling Fee	N/A	-	164,555	343,108	499,026	586,078
53	Assessment Billing Charge	N/A	-	35,776	74,553	108,366	125,610
54	Tipping Fees	N/A	-	1,796,182	3,720,612	5,377,107	6,283,513
55	Total Disposal Rate / Fee Revenue - Prior Period Rate Adjustments	N/A	\$ -	\$ 3,115,072	\$ 6,467,131	\$ 9,366,584	\$ 10,961,154
	Calculated Current Period Rate Adjustment Revenues:						
56	Residential Assessed Tip Fees	\$ -	\$ 513,384	\$ 548,742	\$ 469,077	\$ 248,149	\$ 257,071
57	Disposal Facility Assessment	-	587,711	625,745	532,900	280,896	290,118
58	Recycling Fee	-	161,748	172,783	147,620	78,060	80,862
59	Assessment Billing Charge	-	35,186	37,565	32,076	16,951	17,331
60	Tipping Fees	-	1,777,677	1,885,991	1,600,771	841,118	866,948
61	Total Disposal Rate / Fee Revenue - Current Period Rate Adjustments	\$ -	\$ 3,075,707	\$ 3,270,826	\$ 2,782,444	\$ 1,465,174	\$ 1,512,330
	Adjusted Rate Revenues:						
62	Residential Assessed Tip Fees	\$ 9,068,267	\$ 10,781,069	\$ 11,523,588	\$ 12,196,004	\$ 12,655,592	\$ 13,110,636
63	Disposal Facility Assessment	11,241,760	12,341,939	13,140,652	13,855,395	14,325,690	14,796,036
64	Recycling Fee	3,179,251	3,396,717	3,628,437	3,838,126	3,981,084	4,123,976
65	Assessment Billing Charge	691,397	738,913	788,862	833,972	864,516	883,866
66	Tipping Fees	34,918,416	37,331,209	39,605,807	41,620,035	42,896,994	44,214,338
67	Total Disposal Rate / Fee Revenue - Current Period Rate Adjustments	\$ 59,099,091	\$ 64,589,847	\$ 68,687,346	\$ 72,343,533	\$ 74,723,876	\$ 77,128,852
	Revenue Surplus / (Deficiency) Under Proposed Rate Adjustments						
68	Amount of Surplus / (Deficiency)	\$ 1,130,899	\$ 0	\$ 0	\$ (0)	\$ (0)	\$ (0)
69	As Percent of Existing Revenue	1.91%	0.00%	0.00%	(0.00%)	(0.00%)	(0.00%)

Table 14
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Collection Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
1	Operation and Maintenance Expenses	\$ 26,753,263	\$ 27,780,666	\$ 28,838,318	\$ 29,927,431	\$ 31,048,523	\$ 32,114,994
	Other Revenue Requirements						
	Annual Debt Service:						
2	Series 2016 Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Total Annual Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Other Transfers and Funding Requirements:						
4	Capital Funded From Rates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Transfer to Landfill Closure Fund	-	-	-	-	-	-
6	Transfer to System Reserves - Rate Stabilization	-	-	-	-	-	-
7	Total Other Transfers and Funding Requirements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	Total Other Revenue Requirements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	Gross Revenue Requirements	\$ 26,753,263	\$ 27,780,666	\$ 28,838,318	\$ 29,927,431	\$ 31,048,523	\$ 32,114,994
	Less Income and Funds from Other Sources:						
	Interest Income						
10	Operations And Maintenance Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	System Reserve Fund Cip	-	-	-	-	-	-
12	Debt Service Sinking Fund	-	-	-	-	-	-
13	Debt Service Fund Reserve Account	-	-	-	-	-	-
14	Renewal And Replacement Fund	-	-	-	-	-	-
15	Landfill Closure Fund	-	-	-	-	-	-
16	Debt Proceeds	-	-	-	-	-	-
17	System Reserve Fund	-	-	-	-	-	-
18	Rate Stabilization Fund	-	-	-	-	-	-
19	Gross Energy Revenues	-	-	-	-	-	-
20	Comm. Electronics Revenue	-	-	-	-	-	-
21	Electric Maintenance Revenue	-	-	-	-	-	-
22	MRF Recycling Revenues & Recycling Residual Revenues	-	-	-	-	-	-
23	Sale of Equipment	-	-	-	-	-	-
24	Contractual Fines Revenue	25,000	25,000	25,000	25,000	25,000	25,000
25	Miscellaneous Revenues (Sale of Metals)	-	-	-	-	-	-

Table 14
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Collection Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
26	Franchise Fees (County)	-	-	-	-	-	-
27	Franchise Fees (Municipalities)	-	-	-	-	-	-
28	Advanced Disposal Fees	-	-	-	-	-	-
29	Contractual Reimbursement	-	-	-	-	-	-
30	Restitution	-	-	-	-	-	-
31	Contracted Sludge Disposal	-	-	-	-	-	-
32	Compost Sales	-	-	-	-	-	-
33	Ferrous/Non-Ferrous Revenues (County)	-	-	-	-	-	-
34	Ferrous/Non-Ferrous Revenues (Covanta)	-	-	-	-	-	-
35	Recycling Residue	-	-	-	-	-	-
36	Recycling Host Fees	-	-	-	-	-	-
37	Other Revenues	-	-	-	-	-	-
38	Transfers from Operating Fund	-	-	-	-	-	-
39	Transfers from Rate Stabilization Fund	-	-	-	-	-	-
40	Net Revenue Requirements from Rates	\$ 26,728,263	\$ 27,755,666	\$ 28,813,318	\$ 29,902,431	\$ 31,023,523	\$ 32,089,994

Table 14
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Collection Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
	<u>COLLECTION FEE REVENUE:</u>						
	Revenues Under Existing & Adopted Rates:						
41	Collection Assessment	\$ 25,597,364	\$ 26,066,126	\$ 26,535,246	\$ 27,004,098	\$ 27,472,889	\$ 27,903,238
42	Total Collection Revenues Under Existing Rates	\$ 25,597,364	\$ 26,066,126	\$ 26,535,246	\$ 27,004,098	\$ 27,472,889	\$ 27,903,238
	Rate Adjustment Input (%):						
43	Collection Assessment	0.00%	6.48%	1.98%	1.98%	1.98%	1.84%
	Calculated Prior Period Rate Adjustment Revenues:						
44	Collection Assessment	N/A	\$ -	\$ 1,719,947	\$ 2,318,323	\$ 2,948,647	\$ 3,606,253
45	Residential Credit for Recycling	N/A	-	-	-	-	-
46	Assessment Billing Charge	N/A	-	-	-	-	-
47	Total Collection Rate / Fee Revenue - Prior Period Rate Adjustments	N/A	\$ -	\$ 1,719,947	\$ 2,318,323	\$ 2,948,647	\$ 3,606,253
	Calculated Current Period Rate Adjustment Revenues:						
48	Collection Assessment	\$ -	\$ 1,689,540	\$ 558,125	\$ 580,010	\$ 601,987	\$ 580,502
49	Residential Credit for Recycling	-	-	-	-	-	-
50	Assessment Billing Charge	-	-	-	-	-	-
51	Total Collection Rate / Fee Revenue - Current Period Rate Adjustments	\$ -	\$ 1,689,540	\$ 558,125	\$ 580,010	\$ 601,987	\$ 580,502
	Adjusted Rate Revenues:						
52	Collection Assessment	\$ 25,597,364	\$ 27,755,666	\$ 28,813,318	\$ 29,902,431	\$ 31,023,523	\$ 32,089,994
53	Residential Credit for Recycling	-	-	-	-	-	-
54	Assessment Billing Charge	-	-	-	-	-	-
55	Total Collection Rate / Fee Revenue - Current Period Rate Adjustments	\$ 25,597,364	\$ 27,755,666	\$ 28,813,318	\$ 29,902,431	\$ 31,023,523	\$ 32,089,994
	Revenue Surplus / (Deficiency) Under Proposed Rate Adjustments						
56	Amount of Surplus / (Deficiency)	\$ (1,130,899)	\$ -	\$ -	\$ -	\$ -	\$ -
57	As Percent of Existing Revenue	(4.42%)	0.00%	0.00%	0.00%	0.00%	0.00%

Table 15
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Collection and Disposal Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
1	Operation and Maintenance Expenses	\$ 86,957,503	\$ 89,787,725	\$ 94,208,781	\$ 97,325,711	\$100,569,368	\$103,693,516
	Other Revenue Requirements						
	Annual Debt Service:						
2	Series 2016 Bonds	\$ 8,564,000	\$ 8,574,750	\$ 8,589,000	\$ 8,595,750	\$ 8,594,500	\$ 8,604,750
3	New Debt 1	-	-	-	2,221,407	2,221,407	2,221,407
4	Total Annual Debt Service	\$ 8,564,000	\$ 8,574,750	\$ 8,589,000	\$ 10,817,157	\$ 10,815,907	\$ 10,826,157
	Other Transfers and Funding Requirements:						
5	Capital Funded From Rates	\$ 1,742,884	\$ 2,550,000	\$ 2,605,000	\$ 2,665,000	\$ 2,730,000	\$ 2,795,000
6	Transfer to Landfill Closure Fund	2,317,361	1,255,779	1,341,206	1,462,688	1,581,727	1,681,903
7	Transfer to System Reserves	1,475,494	6,950,368	7,549,155	6,804,539	3,984,294	277,436
8	Transfer to System Reserves - Rate Stabilization	-	-	-	-	3,000,000	7,000,000
9	Total Other Transfers and Funding Requirements	\$ 5,535,739	\$ 10,756,147	\$ 11,495,361	\$ 10,932,227	\$ 11,296,021	\$ 11,754,339
10	Total Other Revenue Requirements	14,099,739	19,330,897	20,084,361	21,749,384	22,111,928	22,580,496
11	Gross Revenue Requirements	\$101,057,242	\$109,118,622	\$114,293,142	\$119,075,096	\$122,681,296	\$126,274,013
	Income and Funds from Other Sources:						
	Interest Income						
12	Operations And Maintenance Fund	\$ 173,000	\$ 173,000	\$ 173,000	\$ 173,000	\$ 173,000	\$ 173,000
13	System Reserve Fund Cip	169,500	169,500	169,500	169,500	169,500	169,500
14	Debt Service Sinking Fund	110,900	113,400	116,000	130,400	144,900	148,200
15	Debt Service Fund Reserve Account	115,700	115,700	115,700	115,700	115,700	57,800
16	Renewal And Replacement Fund	43,100	43,100	43,100	43,100	43,100	43,100
17	Landfill Closure Fund	-	-	-	-	-	-
18	Debt Proceeds	-	-	-	-	-	-
19	System Reserve Fund	492,900	399,700	389,700	421,800	446,000	473,100
20	Rate Stabilization Fund	401,900	401,900	349,400	259,400	244,400	319,400
21	O&M Fund Customer Deposits	300	300	300	300	300	300
22	Gross Energy Revenues	6,670,518	6,669,601	6,668,681	6,667,756	6,666,826	6,665,938

Table 15
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Collection and Disposal Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
23	Comm. Electronics Revenue	15,000	15,000	15,000	15,000	15,000	15,000
24	Sale of Equipment	182,500	217,640	217,640	217,640	217,640	217,640
25	Contractual Fines Revenue	25,000	25,000	25,000	25,000	25,000	25,000
26	Miscellaneous Revenues (Sale of Metals)	375,000	375,000	375,000	375,000	375,000	375,000
27	Franchise Fees (County)	1,400,000	1,714,286	1,750,375	1,786,464	1,822,553	1,852,726
28	Franchise Fees (Municipalities)	560,000	685,714	700,150	714,586	729,021	741,090
29	Advanced Disposal Fees	300,000	300,000	300,000	300,000	300,000	300,000
30	Contracted Sludge Disposal	2,291,842	2,291,842	2,291,842	2,291,842	2,291,842	2,291,842
31	Compost Sales	281,103	281,103	281,103	281,103	281,103	281,103
32	Ferrous/Non-Ferrous Revenues (County)	646,262	646,262	646,262	646,262	646,262	646,262
33	Ferrous/Non-Ferrous Revenues (Covanta)	646,262	646,262	646,262	646,262	646,262	646,262
34	Recycling Residue	960,000	988,800	1,018,464	1,049,018	1,080,488	1,112,903
35	Recycling Host Fees	500,000	500,000	500,000	500,000	500,000	500,000
	Transfers from Rate Stabilization Fund	-	-	-	-	-	-
36	Subtotal Income and Funds from Other Sources	\$ 16,360,786	\$ 16,773,109	\$ 16,792,478	\$ 16,829,132	\$ 16,933,897	\$ 17,055,167
37	Net Revenue Requirements from Rates	\$ 84,696,455	\$ 92,345,513	\$ 97,500,664	\$102,245,964	\$105,747,399	\$109,218,846
	<u>DISPOSAL FEE REVENUE:</u>						
38	Disposal Assessment	\$ 9,068,267	\$ 10,267,685	\$ 10,452,234	\$ 10,636,669	\$ 10,821,074	\$ 10,990,349
39	Disposal Facility Charge	11,241,760	11,754,228	11,918,959	12,083,896	12,249,079	12,403,181
40	Recycling Fee	3,179,251	3,234,968	3,291,100	3,347,398	3,403,998	3,457,035
41	Assessment Billing Charge	691,397	703,726	715,521	727,343	739,198	740,925
42	Tipping Fees	34,918,416	35,553,533	35,923,634	36,298,652	36,678,769	37,063,877
43	Disposal Rate Adjustments	-	3,075,707	6,385,898	9,249,574	10,831,758	12,473,484
44	Total Disposal Fee Revenue Received	\$ 59,099,091	\$ 64,589,847	\$ 68,687,346	\$ 72,343,533	\$ 74,723,876	\$ 77,128,852
45	Percent Change	N/A	9.29%	6.34%	5.32%	3.29%	3.22%

Table 15
Lee County, Florida
Solid Waste System

Fiscal Year 2021 Rate Study

Development of Solid Waste Collection and Disposal Net Revenue Requirements From Rates

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
	<u>COLLECTION FEE REVENUE:</u>						
46	Collection Assessment	\$ 25,597,364	\$ 26,066,126	\$ 26,535,246	\$ 27,004,098	\$ 27,472,889	\$ 27,903,238
47	Collection Rate Adjustments	-	1,689,540	2,278,071	2,898,332	3,550,634	4,186,756
48	Total Collection Fee Revenue Received	\$ 25,597,364	\$ 27,755,666	\$ 28,813,318	\$ 29,902,431	\$ 31,023,523	\$ 32,089,994
49	Percent Change	N/A	8.43%	3.81%	3.78%	3.75%	3.44%
50	COMBINED DISPOSAL AND COLLECTION RATE REVENUE:	\$ 84,696,456	\$ 92,345,513	\$ 97,500,664	\$102,245,963	\$105,747,399	\$109,218,846
	Revenue Surplus / (Deficiency) Under Proposed Rate Adjustments						
51	Amount of Surplus / (Deficiency)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52	As Percent of Existing Revenue	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Table 16
Lee County, Florida
Fiscal Year 2021 Rate Study

Projected Rate Covenant Compliance [1]

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
	Gross Revenues						
1	Collection Revenues	\$ 25,597,364	\$ 27,755,666	\$ 28,813,318	\$ 29,902,431	\$ 31,023,523	\$ 32,089,994
2	Disposal & Other Charges	61,972,036	67,462,792	71,560,291	75,216,477	77,596,821	80,001,797
3	Total Rate Revenues [2]	87,569,400	95,218,458	100,373,609	105,118,908	108,620,344	112,091,791
	Other Revenue and Income						
4	WTE Facility - Gross Electric Sales [3]	\$ 6,670,518	\$ 6,669,601	\$ 6,668,681	\$ 6,667,756	\$ 6,666,826	\$ 6,665,938
5	Gross Ferrous and Non-Ferrous Revenues [4]	1,292,524	1,292,524	1,292,524	1,292,524	1,292,524	1,292,524
6	Gross Franchise Fee Revenues	1,960,000	2,400,000	2,450,525	2,501,050	2,551,574	2,593,817
7	Other Miscellaneous Revenues	415,000	415,000	415,000	415,000	415,000	415,000
8	Interest Income	1,507,300	1,416,600	1,356,700	1,313,200	1,336,900	1,384,400
9	Recycling Revenues [5]	-	-	-	-	-	-
10	Recycling Residue	960,000	988,800	1,018,464	1,049,018	1,080,488	1,112,903
11	Recycling Host Fees	500,000	500,000	500,000	500,000	500,000	500,000
12	Transfers From / (To) Rate Stabilization Fund [6]	-	-	-	-	-	-
13	Total Other Revenue and Income	\$ 13,305,341	\$ 13,682,524	\$ 13,701,893	\$ 13,738,547	\$ 13,843,313	\$ 13,964,582
14	Total Gross Revenues	\$ 100,874,742	\$ 108,900,982	\$ 114,075,502	\$ 118,857,455	\$ 122,463,656	\$ 126,056,372
	Operating Expenses [7]						
15	Facilities	\$ 620,442	\$ 636,096	\$ 652,833	\$ 670,367	\$ 688,731	\$ 707,608
16	Operations/SW MGMT	29,704,555	30,804,795	32,052,966	33,220,821	34,422,625	35,558,932
17	Recycling	5,920,677	6,206,962	6,488,681	6,789,933	7,036,014	7,403,841
18	Disposal / WTE / Yard Waste	39,900,767	40,891,041	41,964,225	43,065,132	44,295,392	45,353,498
19	Buckingham Transfer Station / Diversion Transport	345,523	367,763	385,600	404,504	424,558	445,115
20	Hazardous Waste	929,428	953,794	979,648	1,006,643	1,034,829	1,063,818
21	Vehicle Maintenance	2,500	2,550	2,606	2,666	2,730	2,796
22	C&D Facility	1,381,690	1,419,783	1,459,852	1,501,533	1,544,891	1,589,521
23	Transfer Stations	470,364	483,936	498,094	512,767	527,975	543,640
24	LHLF	4,492,324	4,726,565	6,320,482	6,634,181	6,956,923	7,268,497
25	Closure	-	-	-	-	-	-
26	Solid Waste Fleet	3,189,234	3,294,440	3,403,794	3,517,164	3,634,700	3,756,252
27	Total Operating Expenses	\$ 86,957,503	\$ 89,787,725	\$ 94,208,781	\$ 97,325,711	\$ 100,569,368	\$ 103,693,516
28	Net Revenues	\$ 13,917,239	\$ 19,113,258	\$ 19,866,721	\$ 21,531,744	\$ 21,894,288	\$ 22,362,856
29	Fund Balance [8]	39,727,972	36,209,490	38,402,770	61,483,309	50,134,478	44,095,554
30	Net Revenues and Fund Balance	\$ 53,645,212	\$ 55,322,748	\$ 58,269,491	\$ 83,015,053	\$ 72,028,766	\$ 66,458,410
	Annual Debt Service [9]						
31	Existing Bonds	8,564,000	8,574,750	8,589,000	8,595,750	8,594,500	8,604,750
32	Additional Bonds	-	-	-	2,221,407	2,221,407	2,221,407
33	Total Annual Debt Service	\$ 8,564,000	\$ 8,574,750	\$ 8,589,000	\$ 10,817,157	\$ 10,815,907	\$ 10,826,157
	Rate Covenant (Section 5.04):						
	Test A: Net Revenues + Fund Balance						
34	Calculated Coverage	6.26	6.45	6.78	7.67	6.66	6.14
35	Minimum Required Coverage	1.20	1.20	1.20	1.20	1.20	1.20
	AND						
	Test B: Net Revenues Only						
36	Calculated Coverage	1.63	2.23	2.31	1.99	2.02	2.07
37	Minimum Required Coverage	1.00	1.00	1.00	1.00	1.00	1.00
38	Net Available After Debt + Coverage	\$ 5,353,239	\$ 10,538,508	\$ 11,277,721	\$ 10,714,587	\$ 11,078,381	\$ 11,536,699
	Other Required Transfers						
39	Subordinate Debt Service	-	-	-	-	-	-
40	Debt Service Reserve Requirement	-	-	-	-	-	-
41	Renewal and Replacement Fund Requirement	-	-	-	-	-	-
42	Net Amount After Required Transfers	\$ 5,353,239	\$ 10,538,508	\$ 11,277,721	\$ 10,714,587	\$ 11,078,381	\$ 11,536,699
43	Net Revenues After Debt Service	\$ 5,353,239	\$ 10,538,508	\$ 11,277,721	\$ 10,714,587	\$ 11,078,381	\$ 11,536,699

Table 16
Lee County, Florida
Fiscal Year 2021 Rate Study

Projected Rate Covenant Compliance [1]

Line No.	Description	Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026
	Other Funding Requirements						
44	Landfill Closure Fund	\$2,134,394	\$2,320,312	\$2,462,810	\$2,685,099	\$2,907,944	\$3,077,739
45	Capital Acquisitions / Capital Outlay Funded from Rates	1,742,884	2,550,000	2,605,000	2,665,000	2,730,000	2,795,000
46	Net Available for Other System Purposes	<u>\$ 9,230,517</u>	<u>\$ 15,408,820</u>	<u>\$ 16,345,531</u>	<u>\$ 16,064,685</u>	<u>\$ 16,716,325</u>	<u>\$ 17,409,438</u>

Footnotes:

- [1] s otherwise noted, amounts shown are calculated pursuant to the definitions and provisions of rate covenant pursuant to the draft of the Bond Resolution (the "Bond Resolut
- [2] Amounts shown represent Assessments, Tipping Fees and Surcharges calculated based on the reported and forecasted customer and tonnage billing statistics applied to the adopted and/or assumed rate adjustments recognized during the Forecast Period.
- [3] Amounts shown reflect the gross electric revenues. Pursuant to the agreement with the County's contract operator for the Waste-to-Energy (the "WTE") facility, the County remits 10% of electric revenues to the operator. The remission of revenues is reported as an operating expense for the WTE facility.
- [4] Ferrous and non-ferrous revenues are shown gross, of which fifty percent (50%) is shared with the contract operator for the facility and reflected as a cost of operation.
- [5] Pursuant to the proposed Bond Resolution, the County may recognize recycling revenues associated with shared revenues produced from operation of the Materials Recovery Facility (the "MRF").
- [6] Pursuant to the proposed Bond Resolution, moneys deposited from / (to) the Rate Stabilization Fund may either be recognized as an increase/(reduction) to Gross Revenues for purposes of calculating compliance with the Bond Resolution. It should be noted that deposits from the Rate Stabilization (i.e., increasing Gross Revenues) may not be greater than 25% of Net Revenues (referred to as the "Rate Stabilization Amount")
- [7] Amounts shown are net of depreciation, amortization of capital costs and preparation and closures of landfill, among other things, pursuant to the definition of Operating Expenses for the Trust Indenture.
- [8] The proposed Bond Resolution defines "Fund Balance" as "...an amount of money equal to the unencumbered moneys on deposit in the Solid Waste System Reserve Fund as of September 30 of the immediately preceding Fiscal Year. Moneys shall be considered unencumbered to the extent such moneys are unrestricted and may be used for any lawful purpose relating to the Solid Waste System."
- [9] Amounts shown reflect the accrued payments for Annual Debt Service or when the payments must be deposited to the sinking fund in advance of when the actual payment

Table 17
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical, Current, and Recommended Assessment, Tipping and Gate Fees

Line No.	Description	Historical 2020	Existing 2021	Recommended 2022
<u>Residential Disposal and Collection Assessment</u>				
1	Area 1 - Bonita/Ft. Myers Beach	\$ 214.31	\$ 225.82	\$ 246.19
2	Change - Amount		\$ 11.51	\$ 20.37
3	Change - Percent		5.37%	9.02%
4	Area 2 - SFM West/Iona-McGregor/Captiva	\$ 202.94	\$ 214.45	\$ 234.20
5	Change - Amount		\$ 11.51	\$ 19.75
6	Change - Percent		5.67%	9.21%
7	Area 3 - SFM East/San Carlos	\$ 230.56	\$ 242.07	\$ 263.53
8	Change - Amount		\$ 11.51	\$ 21.46
9	Change - Percent		4.99%	8.87%
10	Area 4 - East/Lehigh	\$ 226.99	\$ 238.50	\$ 260.72
11	Change - Amount		\$ 11.51	\$ 22.22
12	Change - Percent		5.07%	9.32%
13	Area 5 - Pine Island/NFM	\$ 247.06	\$ 258.57	\$ 280.99
14	Change - Amount		\$ 11.51	\$ 22.42
15	Change - Percent		4.66%	8.67%
16	<u>Disposal Facility Assessment (Grossed Up)</u>	\$ 17.97	\$ 17.97	\$ 17.97
17	Change - Amount		\$ -	\$ -
18	Change - Percent		0.00%	0.00%
<u>Gate Fee for Tipping Waste per Ton</u>				
19	MSW - Base Tip Fee	\$ 50.20	\$ 50.20	\$ 53.00
20	Change - Amount		\$ -	\$ 2.80
21	Change - Percent		0.00%	5.58%
<u>Gate Fee for Tipping Waste per Ton (continued)</u>				
22	MSW Gate Fee - Unincorporated	\$ 50.20	\$ 50.20	\$ 53.00
23	Change - Amount		\$ -	\$ 2.80
24	Change - Percent		0.00%	5.58%
25	MSW Gate Fee - Hendry County	\$ 72.45	\$ 72.45	\$ 75.25
26	Change - Amount		\$ -	\$ 2.80
27	Change - Percent		0.00%	3.86%
28	C&D - Tip Fee per Ton	\$ 32.95	\$ 48.40	\$ 53.00
29	Change - Amount		\$ 15.45	\$ 4.60
30	Change - Percent		46.89%	9.50%
31	C&D & Class III Gate Fee - Hendry County	\$ 37.95	\$ 53.40	\$ 58.00
32	Change - Amount		\$ 15.45	\$ 4.60
33	Change - Percent		40.71%	8.61%
34	Class III - Tip Fee per Ton	\$ 32.95	\$ 48.40	\$ 53.00
35	Change - Amount		\$ 15.45	\$ 4.60
36	Change - Percent		46.89%	9.50%
37	Yard Waste - Tip Fee per Ton	\$ 25.46	\$ 31.00	\$ 35.00
38	Change - Amount		\$ 5.54	\$ 4.00
39	Change - Percent		21.76%	12.90%

Table 17
Lee County, Florida
Solid Waste System
Fiscal Year 2021 Rate Study

Historical, Current, and Recommended Assessment, Tipping and Gate Fees

Line No.	Description	Historical 2020	Existing 2021	Recommended 2022
40	Yard Waste Gate Fee - Hendry County	\$ 30.46	\$ 36.00	\$ 40.00
41	Change - Amount		\$ 5.54	\$ 4.00
42	Change - Percent		18.19%	11.11%
43	Tires - Tip Fee per Ton	\$80.00 - \$120.00	\$ 120.00	\$ 160.00
44	Change - Amount		\$ -	\$ -
45	Change - Percent		0.00%	0.00%
46	Commercial (Non-XXL) Tires - Tip Fee per Ton - Hendry County	\$120.00 - 160.00	\$ 160.00	\$ 200.00
47	Change - Amount		\$ -	\$ -
48	Change - Percent		0.00%	0.00%
49	Sludge - Tip Fee per Ton	\$ 50.20	\$ 50.20	\$ 53.00
50	Change - Amount		\$ -	\$ 2.80
51	Change - Percent		0.00%	5.58%
52	Sludge Gate Fee - Hendry County	\$ 72.45	\$ 72.45	\$ 75.25
53	Change - Amount		\$ -	\$ 2.80
54	Change - Percent		0.00%	3.86%
55	Recycling - Tip Fee per Ton	N/A	\$ 38.12	\$ 38.12
56	Change - Amount		N/A	\$ -
57	Change - Percent		N/A	0.00%