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Department Director

Solid Waste Management Department – Budget Workshop March 27, 2025

To protect public health by providing an efficient and environmentally sound Solid Waste Management System.

Introduction & Background



In 1967, “The Brevard County Solid Waste Disposal Act” was approved by the Florida Legislature.

(Chapter 67-1146, FS, 1967, as amended by Chapter 70-594, FS, 1970)

- Granted the Board of County Commissioners the power to establish a solid waste collection and disposal system.
- Required all entities in the County to use the system and prohibits disposal of waste generated outside of Brevard, giving the County flow control over the waste stream.
- Granted the Board the authority to issue bonds to finance the system.
- Granted the Board the right to create exclusive franchises to help operate the system.



Introduction & Background

Solid waste facilities:

- 1977 - Central Disposal Facility (Class I)
- 1977 - Sarno Transfer Station (Class I)
- 1977 - Titusville Transfer Station (Class I)
- 1978 - Sarno Road Landfill (Class III)
- 1991 - US192 Site (under construction)
- 1995 - Mockingbird Way Mulching Facility
(under construction to replace TTS)

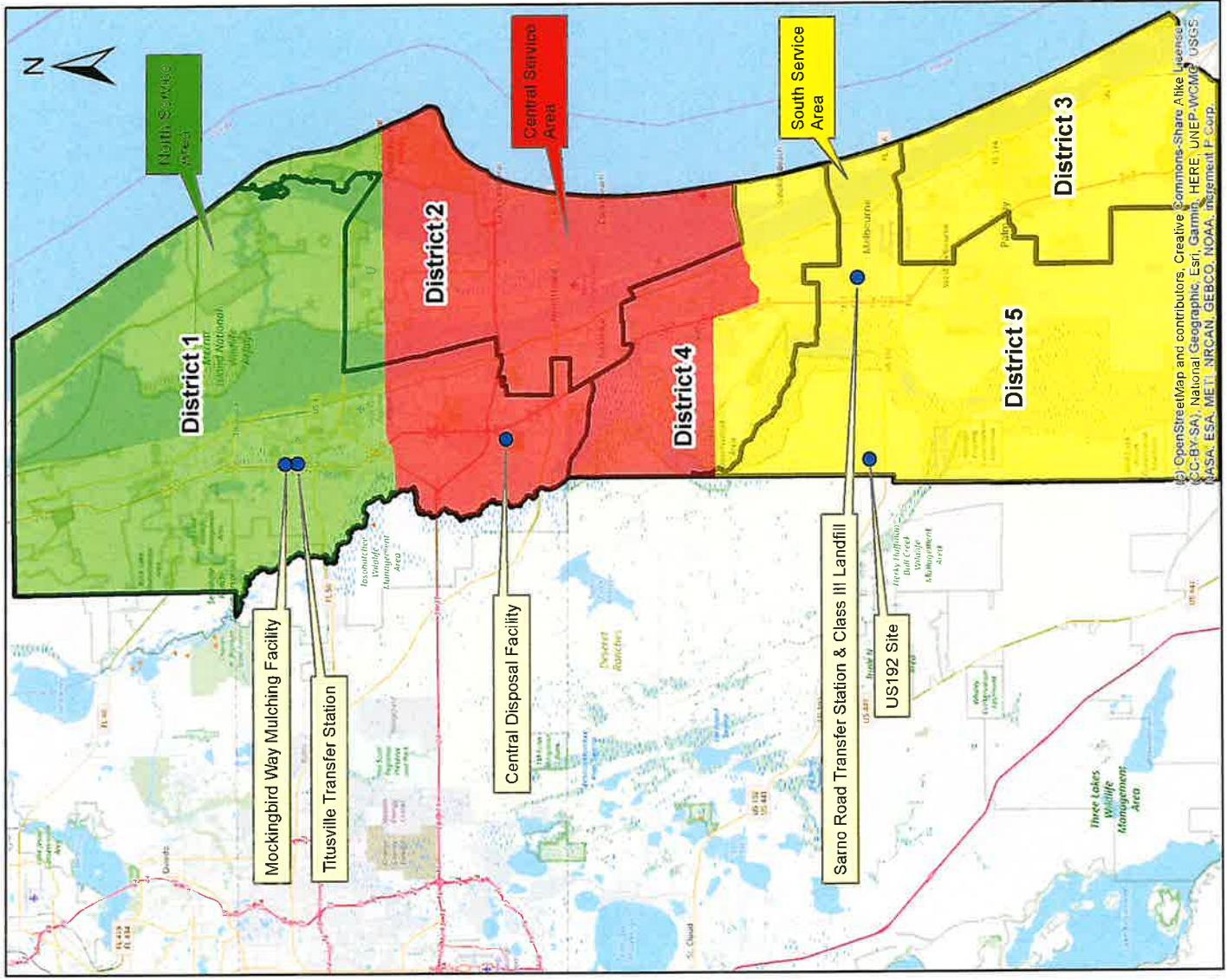
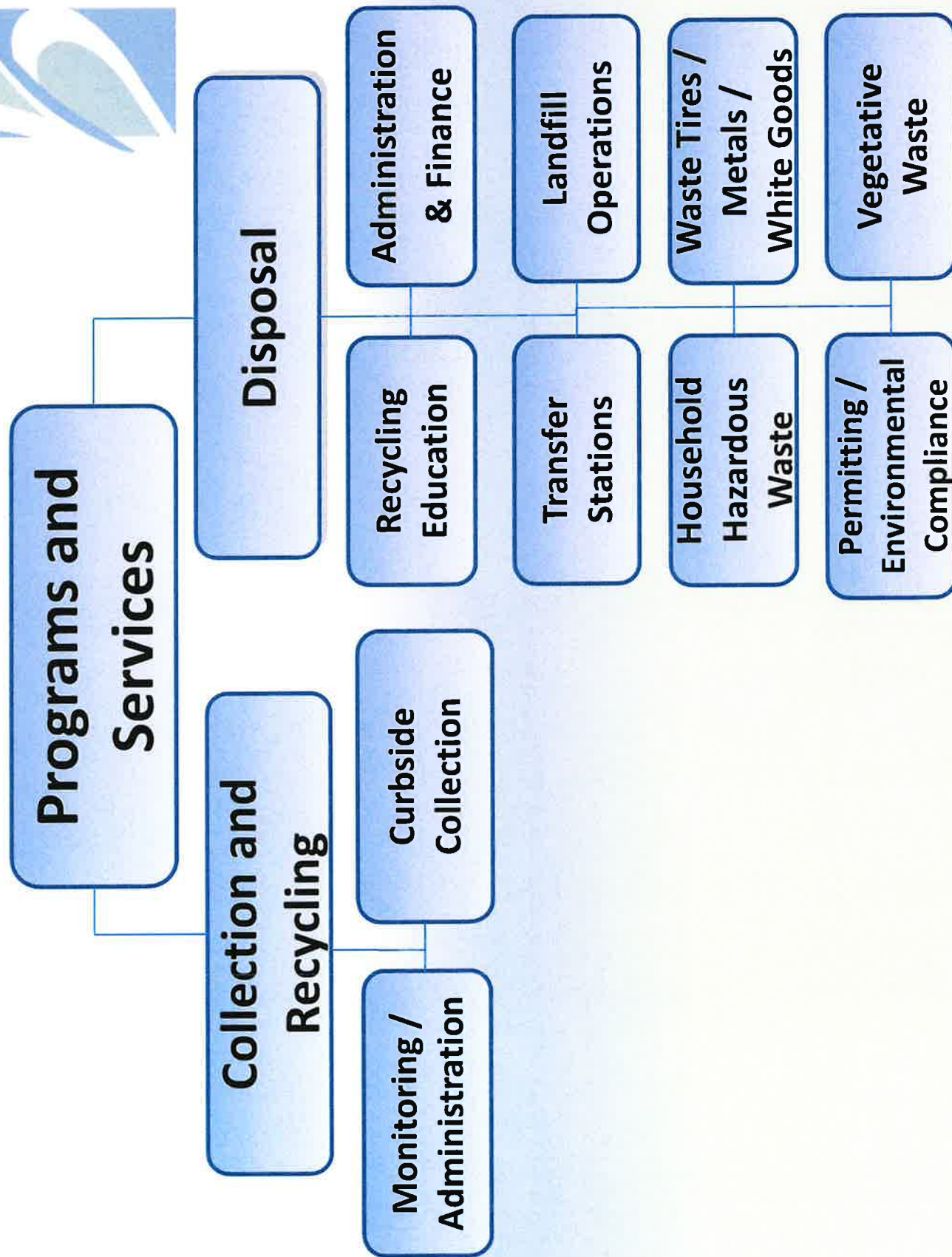


FIGURE 1.2 Brevard County Solid Waste Management Facilities & Service Area Boundaries



Solid Waste Department Budget



FY2025-2026 ESTIMATED BUDGET

Solid Waste Collection:	\$ 25,855,144
Solid Waste Disposal:	\$ 30,627,130
Capital Improvement Projects:	\$ 55,053,067
Equipment Replacement:	\$ 8,213,657
Transfers (other depts, debt service):	\$ 10,278,888
<u>Restricted Reserves (closure):</u>	<u>\$ 37,414,441</u>
Total FY2025-2026 Budget	\$167,442,327

Total number of positions: 165



Collection (Unincorporated)

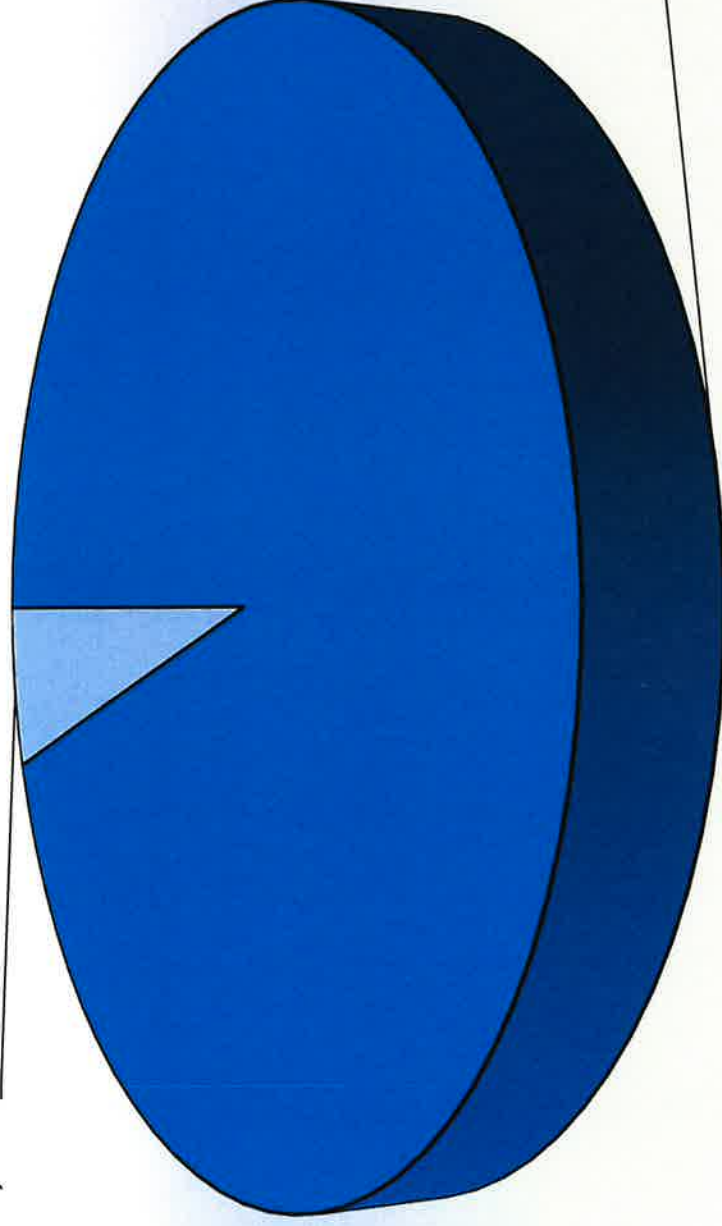
- Collection/Recycling – consists of all residential properties receiving collection services in the unincorporated areas of Brevard County and regulates the rates charged for collection services at commercial properties
 - Paid through Non-Ad Valorem Solid Waste Collection Assessment on annual tax bill (residential)
 - No Brevard County employees are paid from this fund
 - Waste Management of Florida holds current competitive contract (10/1/2020 through **9/30/2027**)
 - 39% increase in rates in FY2021, 3% cap each following year
 - Reserve fund for Disaster Debris Collection

Collection Budget



Balance
Forward,
\$1,292,757 , 5%

Revenues - \$25,855,144



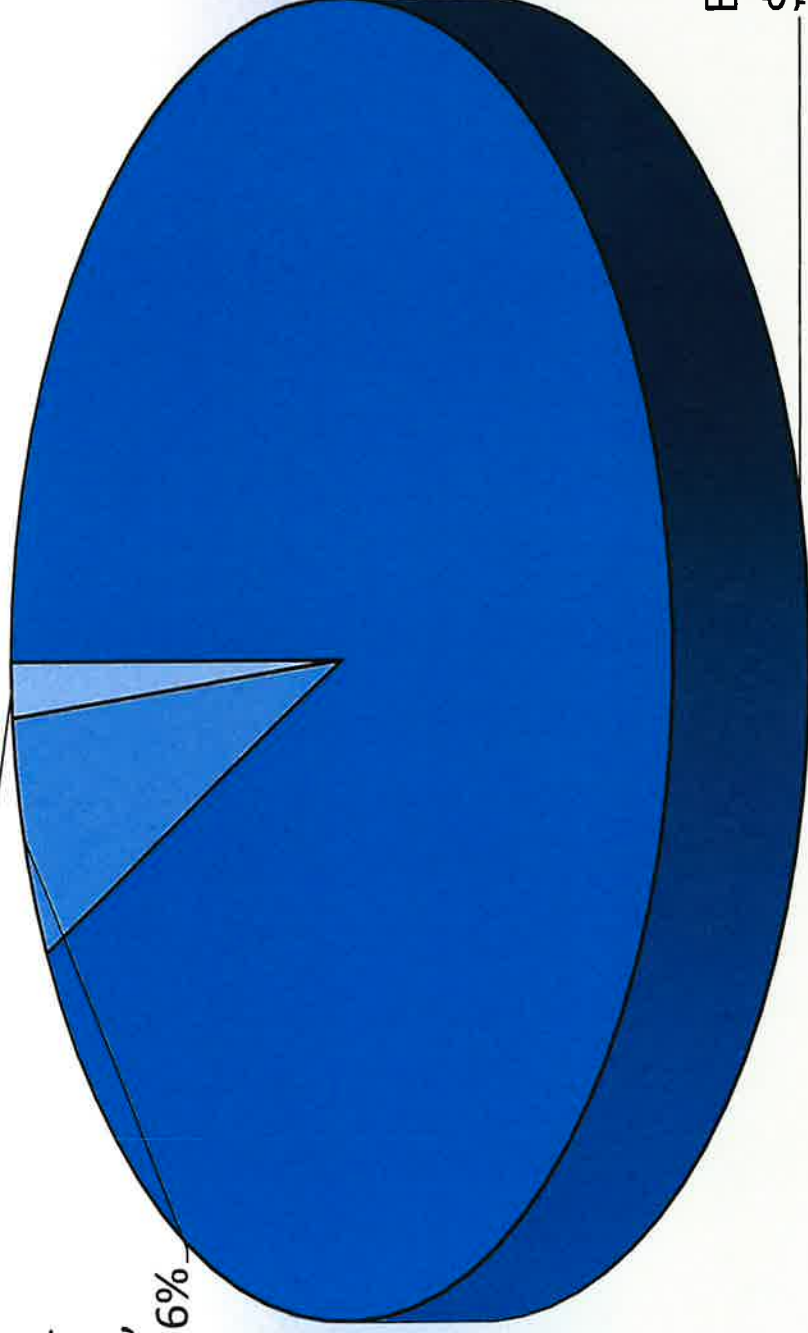
Operating
Revenue
(Charges for
Service),
\$24,562,387 ,
95%

Collection Budget

Expenditures - \$25,855,144

Transfers,
\$351,396 , 1%

Reserves -
Operating,
\$1,529,088 , 6%



Operating
Expenditures,
\$23,974,660 ,
93%



Disposal (County-Wide)



- Paid through Non-Ad Valorem Solid Waste Disposal Assessment on annual tax bill (residential and commercial). Additional funding from impact fees, gate charges, landfill gas sales, property lease, surplus sales.
- Funds Solid Waste Disposal Operations:
 - Central Disposal Facility (Class I & Class III waste, vegetative waste, household hazardous waste)
 - Sarno Road Landfill and Transfer Station (Class III waste, vegetative waste, household hazardous waste).
 - Titusville Transfer Station (Class I waste)
 - Mockingbird Mulching Facility (C&D, vegetative waste, household hazardous waste)
 - US192 Facility (under construction)
- Funds Solid Waste employee salaries
- Funds Capital Equipment Replacement
- Funds Capital Improvement Program for expansion of disposal system



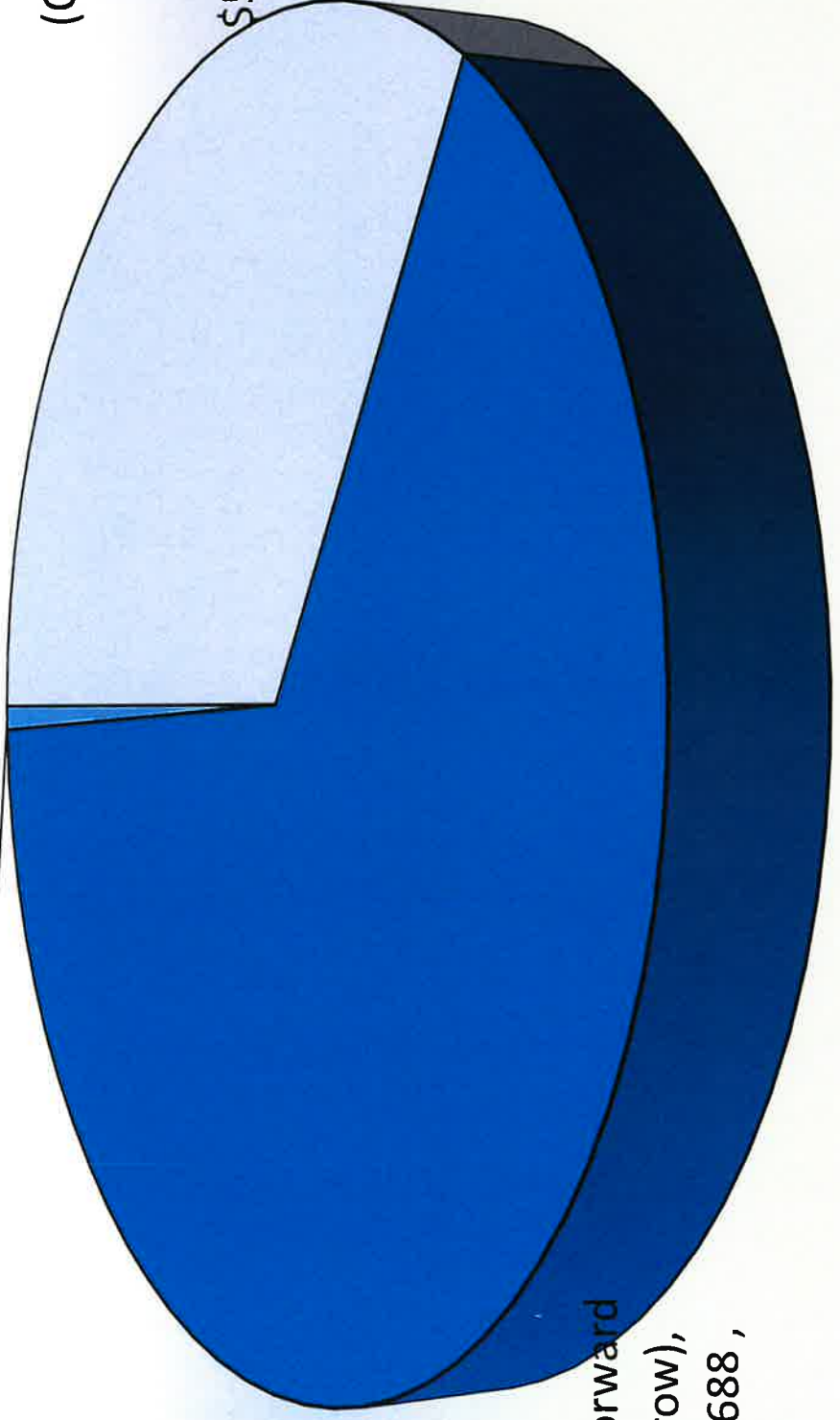
Disposal Budget

Revenues - \$141,587,183

Impact Fees,
\$979,428 , 1%

Operating
Revenue
(Charges for
Service,
Interest),
\$51,354,989
34%

Balance Forward
(Incl Escrow),
\$98,702,688 ,
65%



Disposal Budget



Expenditures - \$141,587,183

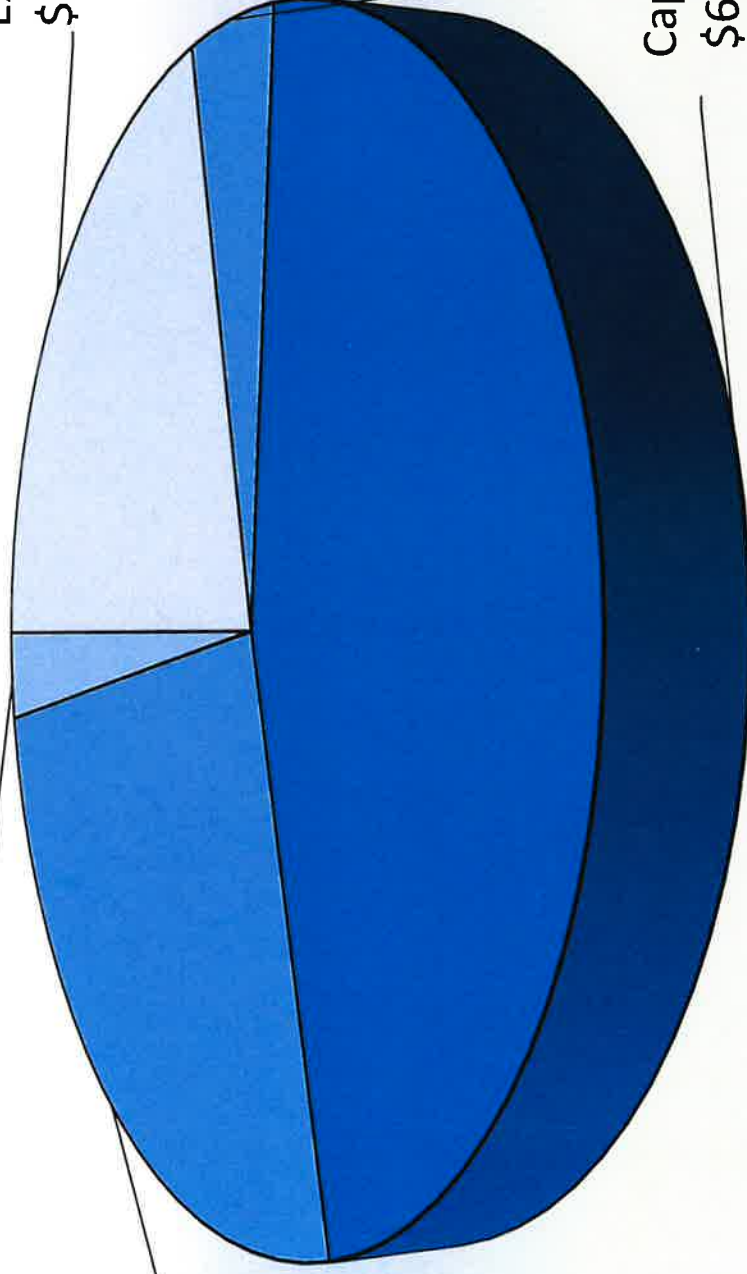
Transfers,
\$3,691,642 , 2%

Reserves -
Restricted,
\$37,414,441 ,
26%

Operating
Expenditures,
\$30,627,130 ,
22%

Debt Service,
\$6,587,246 , 5%

Capital Outlay,
\$63,266,724 ,
45%



Prioritized Critical Infrastructure Needs



- **US192 Solid Waste Facility** is under construction
 - Phase 1 Earthwork, Stormwater, Wetlands, Roads
 - Construction and Oversight \$33,414,249
 - Funded with Series 2023 Bond and Series 2025 bond
 - Phase 2 Scale-House, Class III Landfill Cell, Leachate Collection and Storage.
 - Construction and Oversight \$45,800,000
 - Funded with Series 2027 bond and Series 2029 bond

Prioritized Critical Infrastructure Needs



- **Titusville Transfer Station** replacement is under construction
 - Construction and Oversight \$21,583,908
 - Funded with Series 2023 bond and Series 2025 bond
 - Current transfer station is 48 years old
 - Obsolete and inefficient technology
 - Relies on mechanical compaction
 - Steel transfer trailers weigh more, hold less waste tonnage
 - Constant maintenance and repair, fabricating parts
 - No scale-house or flow control
 - Will combine Mockingbird Way and Transfer Station property
 - Will be able to accommodate commercial operations
 - More space for vegetative and other waste

Prioritized Critical Infrastructure Needs



- **CDF South Landfill Cells 3-5 construction permit issued by FDEP, Cell 3 construction bid documents underway**
 - Construction and Oversight \$45,000,000
 - Funded with Series 2025 bond and Series 2027 bond
 - CDF is the only Class I landfill in Brevard County
 - Cells 1 and 2 reach capacity in 2028
 - Closure of Sarno Landfill will increase waste coming to CDF by 20+% until US192 Facility is operating



Prioritized Critical Infrastructure Needs

- **Class I landfill gas collection system expansion in the CDF South Landfill**
 - Funded by Closure Escrow
 - Brevard Energy contributes \$5,000,000
- **Final Closure of Sarno Landfill**
 - \$21,000,000
 - Funded by Closure Escrow
- **Final Closure of CDF Slurry Wall Landfill**
 - \$21,000,000
 - Funded by Closure Escrow

Solid Waste Management Department: Disposal



CAPITAL IMPROVEMENT PROJECT EXPENDITURES AND FUNDING

PROJECT	TOTAL PROJECT COST	SPENT FY2023	SPENT FY2024	EST FY2025	EST FY2026	EST FY2027	EST FY2028	EST FY2029	EST FY2030
US192 FACILITY	\$80.4M	\$0.5M	\$0.75M	\$28.2M	\$5.2	--	\$2.6M	\$19.2M	\$23.9M
TITUSVILLE TRANSFER STATION	\$22.5M	\$0.0M	\$1.1M	\$17.2M	\$4.2M	--	--	--	--
CDF CLASS I CELL 3	\$45.3M	\$0.25M	\$0.5M	\$0.5M	\$15.7M	\$19.7M	\$8.6M	--	--
TOTAL	\$148.2M	\$0.75M	\$2.4M	\$22.9M	\$19.9M	\$19.7M	\$11.2M	\$19.2M	\$23.9M
FUNDING		\$53.9M Bond FY2023 *		\$32.8M Bond FY2025		\$31.0M Bond FY2027		\$43.2M Bond FY2029	

* \$4.3M in fees, \$20.2M to pay 2022 loan, \$29.4 for CIP

Solid Waste Management Department: Disposal



Solid Waste Disposal Billing Unit History

Assessment Rates	FY 1991-1992	FY 1995-1996	FY 1998-1999	FY 2005-2006	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026
Residential	\$61.00	\$59.00	\$56.00	\$57.00	\$57.00	\$62.13	\$66.48	\$69.80	\$72.70
Commercial	\$172.28	\$170.28	\$161.62	\$164.51	\$164.51	\$179.32	\$191.87	\$201.46	\$209.84
		-3.28%	-5.08%	+1.79%	0%	+9%	+7%	+5%	+4.16%
<u>With CPI G&T Applied Annually Since FY 1992-1993</u>									
Residential	\$61.00	\$74.63	\$80.79	\$97.81	\$160.83	\$168.31	\$177.84	\$190.56	\$198.49
Commercial	\$172.28	\$210.76	\$228.16	\$276.24	\$454.23	\$475.35	\$502.26	\$538.17	\$560.56
		+22%	+8%	+21%	+64%	+4.65%	+5.66%	+7.15%	+4.16%

CIP Expenditures for Expansion of Solid Waste Management System 1991 - 2022



Year	Project	Cost (\$M)
1991-2006	Eau Gallie Wetland Mitigation for CDF Expansion	\$1.53
1995-1999	US192 Costs Prior to 2006	\$1.40
1995	CDF -- Land Purchase	\$0.55
2000-2008	CDF Fueling Island	\$0.46
2000	Sarno -- Land Purchase	\$7.25
2001	CDF Operations Building	\$0.83
2004	Sarno Transfer Station	\$13.92
2011	CDF Vegetative Processing Site	\$1.33
2013	Sarno Landfill Expansion	\$1.60
2013-2018	CDF Vehicle Maintenance Building	\$3.52
2016	CDF South Landfill Cell 1	\$21.12
2017	CDF Scale-House and Entrance	\$4.15
2022	CDF South Landfill Cell 2	\$32.00

Total = \$89.66M

**Expansions
necessary due
to US192
project delays**

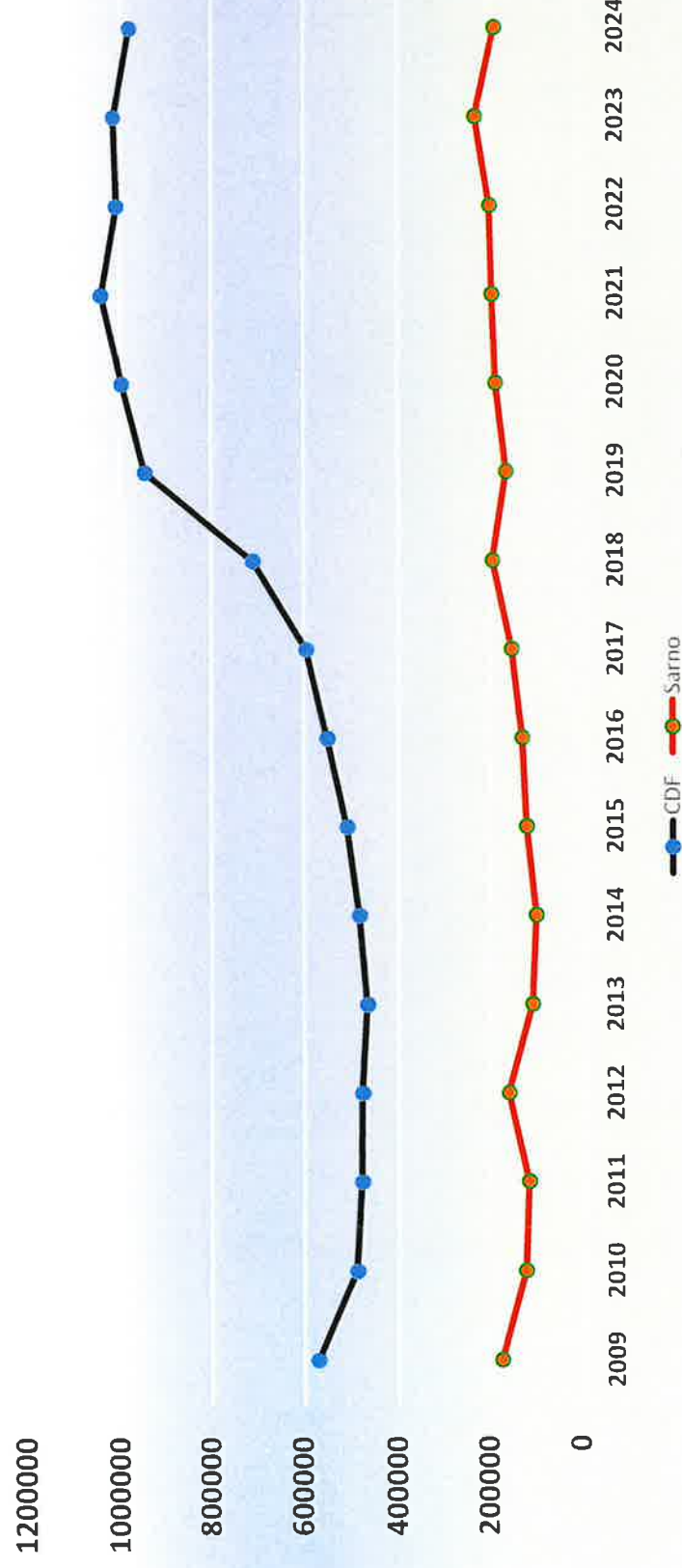
**\$16M from Commercial
Paper Loan**

Trend Data 2009 – 2024

Solid Waste Disposal



Waste Disposed in CDF and Sarno Landfills (tons)

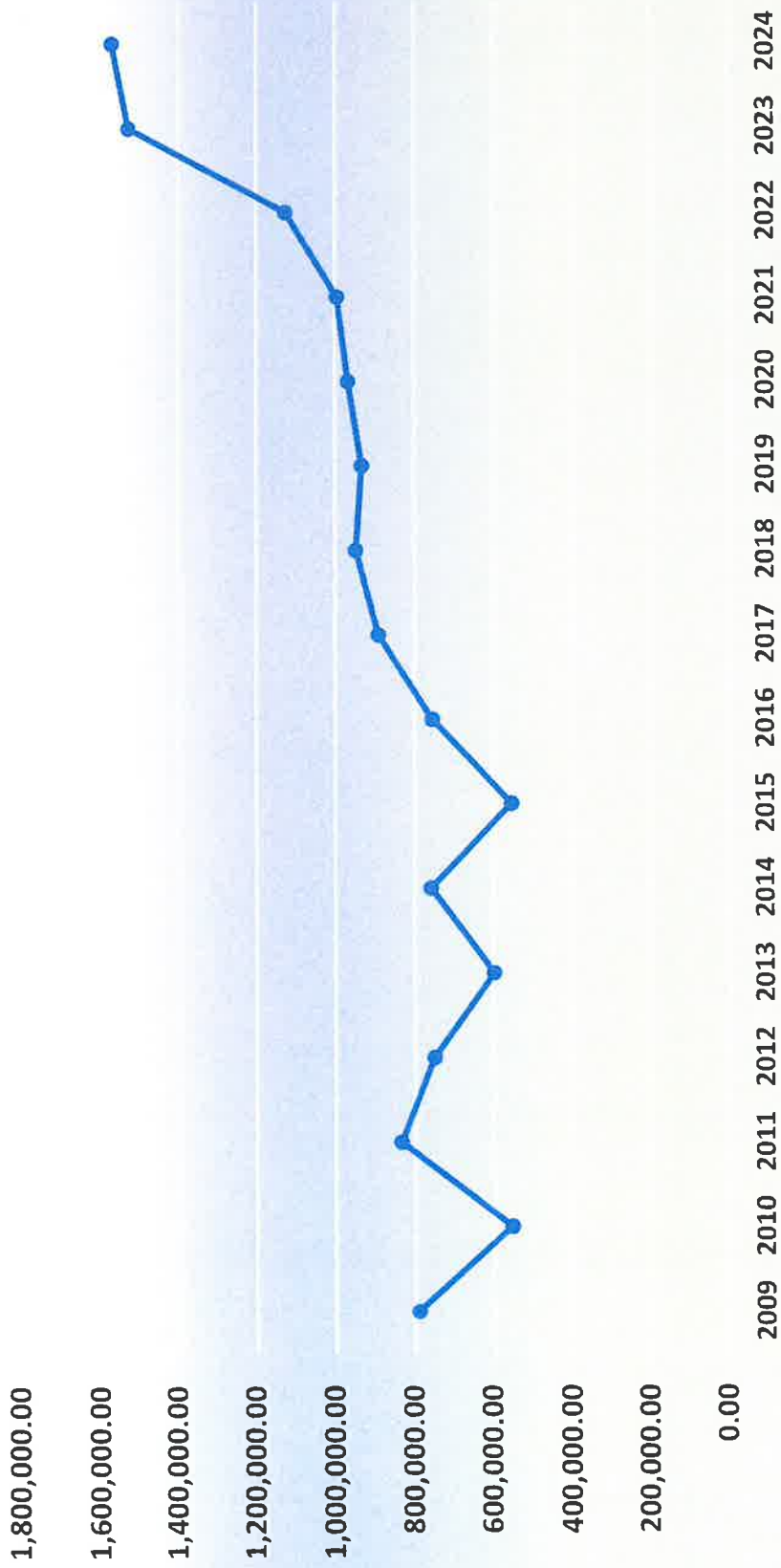


Trend Data 2009 – 2024

Landfill Compactor Cost



Compactor Cost (US Dollars)



Solid Waste Management Department: Disposal



PAST BOARD ACTIONS

- April 2022
 - Authorized mailing of Notice of Public Hearing to consider increases to annual Non-Ad Valorem Disposal Assessment.
 - Authorized Engineering Study for most efficient financing of 5-Year CIP.
- July 2022
 - Approved incremental increases to annual Non-Ad Valorem Disposal Assessment.
 - Residential: \$5.13 in FY22-23, \$4.35 in FY23-24, \$3.32 in FY24-25
 - Commercial: \$14.81 in FY22-23, \$12.55 in FY23-24, \$9.59 in FY24-25
- December 2022
 - Authorized a Commercial Paper loan of \$20,000,000 for immediate financing of ongoing Capital Improvement projects. To be paid off when a bond is issued in FY2023.
- August 2023
 - Approved Amended and Restated Solid Waste Management System Revenue Bond Resolution and approved the sale of \$53,853,821 in revenue bonds.
- November 2024
 - Authorized revised Engineering Study for most efficient financing of 5-Year CIP.

Solid Waste Management Department



ITEMS FOR FUTURE BOARD CONSIDERATION

Collection and Recycling Contract – expires 9/30/2027

1. RFP anticipated to be advertised in late FY2025
2. Increases in Solid Waste Collection Assessment

Capital Improvement Program Financing

1. \$32,800,000 bond in FY2025 *
2. \$31,000,000 bond in FY2027 *
3. \$43,200,000 bond in FY2029 *

* Subject to change based on construction costs and updates to the Solid Waste financial model and Engineer's Report