

Pinellas County
Fund Revenue & Expenditures Summary
Fund: FHSOL Solid Waste Funds
Program : Total Program
Version : Proposed Budget

	FY17 Actual	FY18 Actual	FY19 Actual	FY20 Budget	FY20 Estimate	FY21 Request	FY21 Adjusted
RESOURCES							
Beginning Fund Balance	213,788,072	191,403,182	149,127,351	184,214,280	202,169,320	220,330,660	220,330,660
REVENUE							
Intergovernmental Revenue	0	51,280	165,478	1,433,470	1,307,205	0	0
Charges for Services	100,058,951	104,962,439	107,997,579	109,912,430	111,840,745	118,829,827	116,102,190
Interest Earnings	1,536,229	2,196,126	5,864,765	3,420,090	3,420,090	1,907,835	1,812,440
Rents, Surplus and Refunds	176,959	29,912	15,729	9,500	18,002	10,000	9,500
Other Misc Revenue	17,523	15,059	37,386	10,260	30,627	10,774	10,770
Transfers from Other Funds	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
Non-Operating Revenue Sources	3,343	0	101,708	0	0	0	0
TOTAL REVENUE	131,793,005	137,254,816	144,182,645	144,785,750	146,616,669	150,758,436	147,934,900
TOTAL RESOURCES	345,581,077	328,657,998	293,309,996	329,000,030	348,785,989	371,089,096	368,265,560
REQUIREMENTS							
EXPENDITURES							
Personal Services	6,034,062	6,006,734	6,131,002	7,458,610	6,744,268	7,516,279	7,516,710
Operating Expenses	57,239,388	68,417,577	65,196,581	67,826,240	64,963,660	66,487,993	66,488,200
Capital Outlay	76,132,716	44,495,332	34,963,776	54,004,080	26,247,406	29,713,658	29,713,660
Grants & Aids	499,164	496,327	497,342	500,000	500,000	500,000	500,000
Transfers to Other Funds	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
TOTAL EXPENDITURES	169,905,330	149,415,970	136,788,700	159,788,930	128,455,334	134,217,930	134,218,570
Reserves	0	0	0	169,211,100	0	234,046,990	234,046,990
TOTAL REQUIREMENTS	169,905,330	149,415,970	136,788,700	329,000,030	128,455,334	368,264,920	368,265,560
REVENUES MINUS EXPENDITURES	(38,112,325)	(12,161,154)	7,393,945	(15,003,180)	18,161,335	16,540,506	13,716,330
RESOURCES MINUS REQUIREMENTS	175,675,747	179,242,028	156,521,296	0	220,330,655	2,824,176	0
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FHSOL Solid Waste Funds
 Detail Resource Estimate by Fund
 Fund : FHSOL Solid Waste Funds
 Program : Total Program Total Program
 Version : Proposed Budget
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Center	Account	FY19 Actual	FY20 Budget	FY21 Request
Intergovernmental Revenue				
C100200	O3312002 Fed Grant-Public Safety-FEMA	165,478	178,250	0
C100200	O3343901 State Grant-Other Physical Environmnt	0	1,255,220	0
Intergovernmental Revenue Total		165,478	1,433,470	0
Charges for Services				
C100200	O3434130 Tipping Fees-Solid Waste	39,694,566	38,898,040	42,509,970
C100200	O3434140 Electricity Sales-S Waste	10,631,809	9,784,220	8,581,660
C100200	O3434141 Electrical Capacity-S Wst	56,814,075	60,432,500	64,277,590
C100200	O3434150 Scrap Sales-Solid Waste	851,057	792,600	727,020
C100200	O3434500 Other Income-Solid Waste	6,072	5,070	5,950
Charges for Services Total		107,997,579	109,912,430	116,102,190
Interest Earnings				
C100200	O3611001 Interest On Investments	0	3,420,090	1,812,440
C100200	O3611210 Interest-Cash Pools	189,512	0	0
C100200	O3611700 Interest - LGIP & Public Funds Depository Accounts	955,723	0	0
C100200	O3611800 Interest-Securities	2,693,249	0	0
C100200	O3613001 Net Inc/Dec In Fair Value	2,026,281	0	0
Interest Earnings Total		5,864,765	3,420,090	1,812,440
Rents, Surplus and Refunds				
C100200	O3644100 Sale- Surplus Equipment	14,875	9,500	9,500
C100200	O3644200 Ins Proceeds-Furn/Fxtr/Eq	343	0	0
C100200	O3650002 Sale-Surplus Eq Under Cap	512	0	0
Rents, Surplus and Refunds Total		15,729	9,500	9,500
Other Misc. Revenue				
C100200	O3699340 Intra-Rmb-Cost Allocation-Lealman-Sw	6,461	10,260	10,770
C100200	O3699350 Refund Of Prior Yrs Exp	24,710	0	0
C100200	O3699990 Overage & Shortage	556	0	0
C100200	O3699991 Other Miscellaneous Revenue	5,659	0	0
Other Misc. Revenue Total		37,386	10,260	10,770
Transfers From Other Funds				
C100200	O3814021 Trans Fr Solid Waste	30,000,000	30,000,000	30,000,000
Transfers From Other Funds Total		30,000,000	30,000,000	30,000,000
Non-Operating Revenue				
C100200	O3893001 Prop-State Grants & Donations	101,708	0	0
Non-Operating Revenue Total		101,708	0	0
Beginning Fund Balance				
C100100	O2710201 FB-Unrsv-Cntywide-Beg	0	184,214,280	220,330,660
C100100	O2760001 NA-Unrestricted	149,127,351	0	0
Beginning Fund Balance Total		149,127,351	184,214,280	220,330,660
Report Total		293,309,996	329,000,030	368,265,560

Pinellas County
Standard Expenditures by Fund, Center and Program - Rollup

Entity : CHC4340 Solid Waste Department

Fund : Solid Waste Funds

Program : Total Program Total Program

	FY17 Actuals	FY18 Actuals	FY19 Actuals	FY20 Budget	FY20 Projected Estimate	FY21 Total Request
Personal Services	5,572,516	5,608,728	5,645,823	7,000,190	6,283,179	7,020,540
Operating Expenses	56,937,352	68,196,133	65,045,108	67,540,910	64,726,907	66,244,480
Capital Outlay	1,532,073	307,966	105,591	251,260	124,850	743,260
Grants and Aids	499,164	496,327	497,342	500,000	500,000	500,000
Transfers to Other Funds	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
Reserves	0	0	0	122,346,080	0	152,876,760
Total	94,541,106	104,609,154	101,293,863	227,638,440	101,634,936	257,385,040

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HYP01-C Expenditures - Rollup to Object Category

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Pinellas County
Standard Expenditures by Fund, Center and Program - Rollup
 Entity : CHC4320 Utilities and Solid Waste Capital
 Fund : Solid Waste Funds
 Program : Total Program Total Program

	FY17 Actuals	FY18 Actuals	FY19 Actuals	FY20 Budget	FY20 Projected Estimate	FY21 Total Request
Personal Services	242	0	0	0	0	0
Operating Expenses	5,785	39,743	0	0	0	0
Capital Outlay	74,574,222	44,149,478	34,857,632	53,752,820	26,121,620	28,970,400
Reserves	0	0	0	46,865,020	0	81,170,230
Total	74,580,249	44,189,221	34,857,632	100,617,840	26,121,620	110,140,630

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HYP01-C Expenditures - Rollup to Object Category

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Pinellas County
Fund Revenue & Expenditures Summary

Fund: F1093 Lealman Sw Collect&Dispos

Program : Total Program

Version : Proposed Budget

	FY17 Actual	FY18 Actual	FY19 Actual	FY20 Budget	FY20 Estimate	FY21 Request	FY21 Adjusted
RESOURCES							
Beginning Fund Balance	443,260	534,938	607,353	600,940	691,600	620,330	620,330
REVENUE							
License and Permits	1,284,142	1,275,326	1,297,979	1,261,880	1,244,114	1,328,302	1,261,880
Excess Fees - Constitutional Officers	8,478	8,186	8,355	7,910	8,211	8,328	7,910
Interest Earnings	7,930	13,412	34,723	6,220	9,999	5,486	5,210
TOTAL REVENUE	1,300,550	1,296,924	1,341,056	1,276,010	1,262,325	1,342,116	1,275,000
TOTAL RESOURCES	1,743,810	1,831,862	1,948,409	1,876,950	1,953,925	1,962,446	1,895,330
REQUIREMENTS							
EXPENDITURES							
Operating Expenses	1,183,200	1,199,013	1,230,847	1,306,030	1,306,511	1,374,457	1,374,470
Constitutional Officers Transfers	25,673	25,502	25,959	27,470	27,080	27,470	27,470
TOTAL EXPENDITURES	1,208,873	1,224,515	1,256,806	1,333,500	1,333,591	1,401,927	1,401,940
Reserves	0	0	0	543,450	0	493,390	493,390
TOTAL REQUIREMENTS	1,208,873	1,224,515	1,256,806	1,876,950	1,333,591	1,895,317	1,895,330
REVENUES MINUS EXPENDITURES	91,677	72,409	84,251	(57,490)	(71,266)	(59,811)	(126,940)
RESOURCES MINUS REQUIREMENTS	534,938	607,347	691,604	0	620,334	67,129	0
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SOLID WASTE FUNDS FORECAST

Fund 4021 & 4023

Forecast Assumptions	FY22	FY23	FY24	FY25	FY26
REVENUES					
Tipping Fees	6.0%	0.2%	0.2%	0.2%	0.2%
Electricity Sales	0.5%	0.5%	0.5%	0.5%	0.5%
Electrical Capacity	6.4%	6.4%	6.4%	-74.6%	-100.0%
Recycling Revenue	0.0%	0.0%	0.0%	0.0%	0.0%
Interest	1.0%	1.0%	1.0%	1.0%	1.0%
Other revenues	0.0%	0.0%	0.0%	0.0%	0.0%
EXPENDITURES					
Personal Services	3.2%	3.2%	3.2%	3.2%	3.2%
Operating Expenses	2.2%	2.2%	2.2%	2.2%	2.2%
WTE Service Fee	2.2%	2.2%	2.2%	2.2%	2.2%
Landfill Service Fee	2.2%	2.2%	2.2%	2.2%	2.2%
Grants & Aids	0.0%	0.0%	0.0%	0.0%	0.0%
Projected Economic Conditions / Indicators:					
Consumer Price Index, % change	2.2%	2.2%	2.2%	2.2%	2.2%
FL Per Capita Personal Income Growth	1.7%	1.1%	0.9%	0.7%	0.7%

SOLID WASTE FUNDS FORECAST

Fund 4021 & 4023

(in \$ thousands)

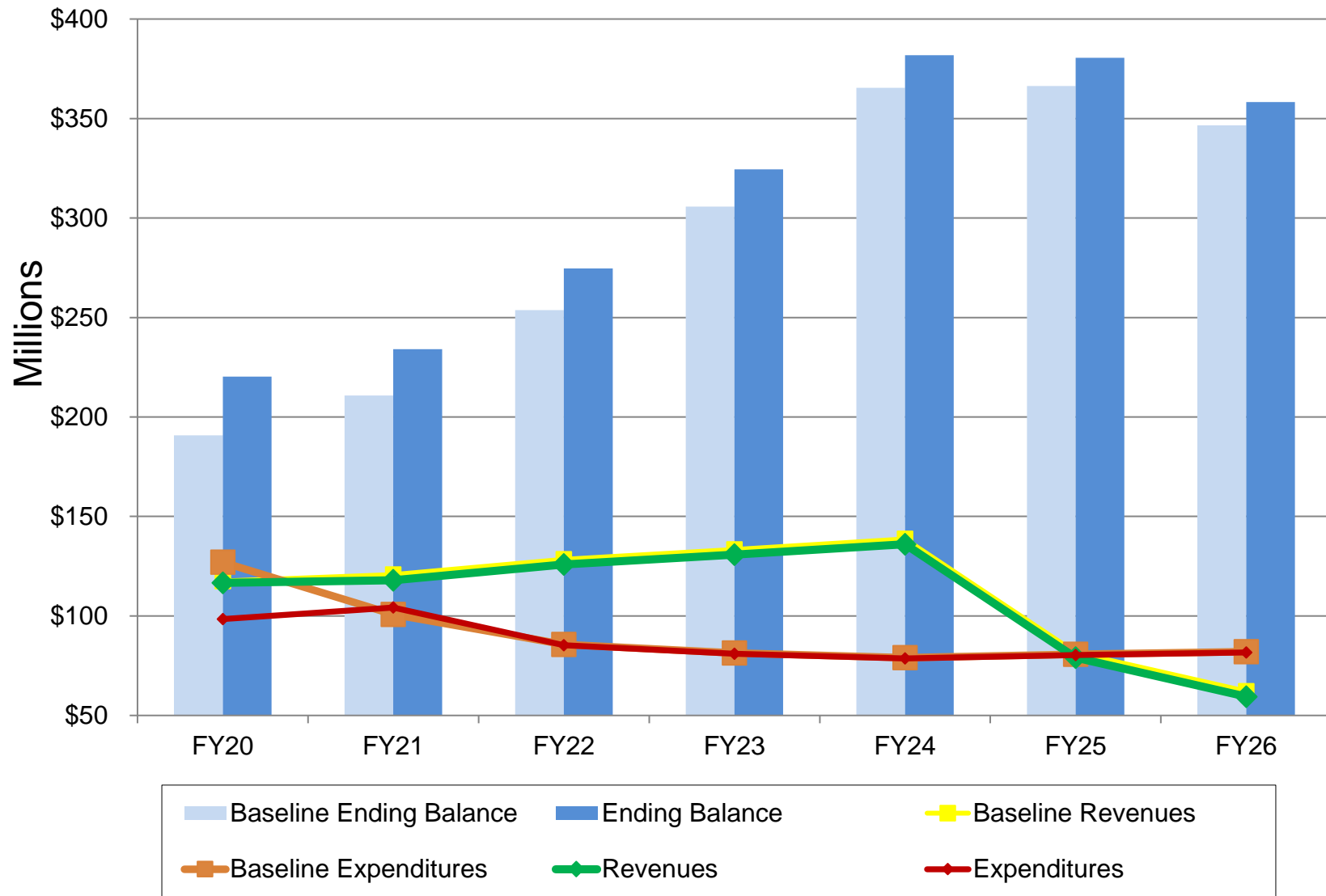
(in \$ thousands)			FORECAST						
	Actual FY19	Budget FY20	Estimated FY20	Estimated FY21	Estimated FY22	Estimated FY23	Estimated FY24	Estimated FY25	Estimated FY26
BEGINNING FUND BALANCE	194,777.4	181,403.3	202,169.3	220,330.7	234,047.0	274,604.4	324,414.0	381,807.6	380,461.3
REVENUES									
Tipping Fees	39,694.6	38,898.0	41,681.0	42,510.0	45,060.6	45,137.2	45,213.9	45,290.8	45,367.8
Electricity Sales	10,631.8	9,784.2	8,988.4	8,581.7	8,624.6	8,667.7	8,711.0	8,754.6	8,798.4
Electrical Capacity	56,814.1	60,432.5	60,432.5	64,277.6	68,372.3	72,728.3	77,361.8	19,634.4	0.0
Recycling Revenue	851.1	792.6	765.3	727.0	727.0	727.0	727.0	727.0	727.0
Incremental Metals Pilot Program Revenue	0.0	0.0	0.0	0.0	750.0	750.0	750.0	750.0	750.0
Interest	3,838.5	3,420.1	3,420.1	1,812.4	2,340.5	2,746.0	3,244.1	3,818.1	3,804.6
Other Revenues	59.2	24.8	65.3	26.2	26.2	26.2	26.2	26.2	26.2
Reimbursement - Irma	165.5	178.3	52.0	0.0	0.0	0.0	0.0	0.0	0.0
Reimbursement - Red Tide, JPA with FDOT	101.7	1,255.2	1,255.2	0.0	0.0	0.0	0.0	0.0	0.0
COVID-19 Flat Fee Waiver	0.0	0.0	(43.1)	0.0	0.0	0.0	0.0	0.0	0.0
Grants (e.g. Artificial Reef, etc.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL REVENUES *	112,156.4	114,785.8	116,616.7	117,934.9	125,901.2	130,782.4	136,034.1	79,001.1	59,474.0
% vs prior year		2.3%	4.0%	1.1%	6.8%	3.9%	4.0%	-41.9%	-24.7%
TOTAL RESOURCES	306,933.8	296,189.0	318,786.0	338,265.6	359,948.2	405,386.8	460,448.0	460,808.7	439,935.3
EXPENDITURES									
Personal Services	6,131.0	7,458.6	6,744.3	7,516.7	7,755.6	8,002.3	8,256.9	8,519.8	8,791.3
Operating Expenses	10,410.6	12,576.9	10,875.4	12,866.1	13,149.2	13,438.5	13,734.1	14,036.3	14,345.1
Hurricane Irma Expenses	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hurricane Dorian Expenses	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COVID-19 Expenses (not in BDA)	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0
WTE Contract Service	37,364.1	37,859.7	36,676.1	35,518.4	31,189.8	31,876.0	32,577.3	33,294.0	34,026.4
Landfill Contract Service	11,816.4	12,026.1	12,041.1	12,441.1	12,714.8	12,994.5	13,280.4	13,572.5	13,871.1
Grants & Aids	497.3	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
Cost Allocations	5,540.0	5,363.5	5,363.5	5,662.6	5,787.2	5,914.5	6,044.6	6,177.6	6,313.5
Capital Equipment	60.1	251.3	125.8	743.3	710.8	710.8	710.8	710.8	710.8
Capital Outlay	34,903.7	50,941.8	26,121.6	28,970.4	13,536.4	7,536.4	3,536.4	3,536.4	3,086.4
TOTAL EXPENDITURES	106,735.8	126,977.9	98,455.3	104,218.6	85,343.7	80,972.9	78,640.4	80,347.4	81,644.6
% vs prior year		19.0%	-7.8%	5.9%	-18.1%	-5.1%	-2.9%	2.2%	1.6%
TOTAL ENDING FUND BALANCE	200,197.9	169,211.1	220,330.7	234,047.0	274,604.4	324,414.0	381,807.6	380,461.3	358,290.7
Ending balance as % of Revenue	178.5%	147.4%	188.9%	198.5%	218.1%	248.1%	280.7%	481.6%	602.4%
TOTAL REQUIREMENTS **	306,933.8	296,189.0	318,786.0	338,265.6	359,948.2	405,386.8	460,448.0	460,808.7	439,935.3
REVENUE minus EXPENDITURES (NOT cumulative)	5,420.5	(12,192.2)	18,161.3	13,716.3	40,557.5	49,809.5	57,393.6	(1,346.3)	(22,170.6)

* Revenues reflect the combined impact of changes in rates and/or levels of consumption.

** Total Requirements do not include OPEB annual expense or OPEB cumulative liability as reflected in GAAP financial statements. These amounts are shown below.

OPEB annual expense	109.0	112.9	112.9	116.5	120.3	124.1	128.0	132.1	136.3
OPEB cumulative (long-term liability)	9,211.5	9,324.4	9,324.4	9,440.9	9,561.2	9,685.3	9,813.3	9,945.4	10,081.7

Solid Waste Funds Forecast FY20 - FY26



Project Number	Project Name	Description	Task Name	Approved FY20	Current Year 2020 Estimate	Proposed 2021	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	Total Estimate
Recycling and Education Program												
000759A	North County Household Electronics & Chemical Collection (HEC) Facility	Construct new HEC3 (Household Electronics and Chemical Collection Center) Facility in the north county area.	Construction	\$ 1,501,000	\$ 1,700,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,700,000
			State Grant	\$ 1,255,220	\$ 1,255,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,255,220
			Total Project	\$ 2,756,220	\$ 2,955,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,955,220
002585A	Recycling Center Expansion Projects	Design appropriately size slab and ingress/egress modifications to facilitate the container pickup and placement for four containers slots.	Construction	\$ 210,000	\$ -	\$ 210,000	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ 340,000
			Total Project	\$ 210,000	\$ -	\$ 210,000	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ 340,000
002586A	Visitor Information Kiosks and Claw Monument	Engineering design of bucket mounting system and mounting bucket. Layout, concept, and construct Kiosks.	Construction	\$ 400,000	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
			Total Project	\$ 400,000	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
003352A	HEC3 Satellite Site- South	Construct a permanent site for mobile chemical and electronic collections in the south end of the county.	Design	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
			Construction	\$ -	\$ -	\$ -	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
			Total Project	\$ 200,000	\$ -	\$ 200,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,700,000
			Total Recycling	\$ 3,566,220	\$ 3,355,220	\$ 810,000	\$ 2,630,000	\$ -	\$ -	\$ -	\$ -	\$ 6,795,220
Site Operations Program												
000731A	Pavement Replacement Program	Rehabilitation and replacement of internal roads as needed.	Construction	\$ 800,000	\$ 920,000	\$ 1,000,000	\$ 700,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 4,620,000
			Total Project	\$ 800,000	\$ 920,000	\$ 1,000,000	\$ 700,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 4,620,000
000748A	Side Slope Closures	Begin closure activities for Bridgeway Acres (BWA) landfill for areas that have reached final elevation on side slopes.	Design	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ 800,000
			Construction	\$ -	\$ -	\$ -	\$ -	\$ 3,600,000	\$ 3,600,000	\$ -	\$ -	\$ 7,200,000
			Total Project	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ 4,000,000	\$ -	\$ -	\$ 8,000,000
000752A	Bridgeway Acres (BWA) Landfill - Miscellaneous	Rehabilitation and replacement of operational infrastructure at Bridgeway Acres Landfill.	Design	\$ 200,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 800,000
			Construction	\$ 1,200,000	\$ 848,000	\$ 200,000	\$ 100,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 4,900,000
			Total Project	\$ 1,400,000	\$ 1,048,000	\$ 300,000	\$ 200,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,700,000
000752B	Bridgeway Acres Class 1 Landfill Ditch Slope Reconstruction	Reconstruct section of failed existing drainage ditch slope and rehabilitate existing slope protection liner.	Construction	\$ -	\$ 152,000	\$ 700,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,652,000
			Total Project	\$ -	\$ 152,000	\$ 700,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,652,000
000842A	Replace Scales	Anticipated replacement of scales due to heavy use.	Design	\$ 659,000	\$ -	\$ 659,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 659,000
			Construction	\$ 5,931,000	\$ -	\$ 2,300,000	\$ 5,631,000	\$ 2,300,000	\$ -	\$ -	\$ -	\$ 10,231,000
			Total Project	\$ 6,590,000	\$ -	\$ 2,959,000	\$ 5,631,000	\$ 2,300,000	\$ -	\$ -	\$ -	\$ 10,890,000
000854A	WTE Discretionary/Force Majeure	Upgrades to Waste-to-Energy (WTE) structures and equipment resulting from changes in law or to improve performance or environmental compliance.	Construction	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
			Total Project	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
000853A	Air Pollution Controls Technical Recovery Program	Replacement of Waste-To-Energy (WTE) air pollution control systems that were not in Acceptable Operating Condition when the WTE Contract was awarded as part of the Technical Recovery Program.	Construction	\$ -	\$ 1,600,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,100,000
			Total Project	\$ -	\$ 1,600,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,100,000

Project Number	Project Name	Description	Task Name	Approved FY20	Current Year 2020 Estimate	Proposed 2021	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	Total Estimate
001057A	General Upgrades to Supervisory Control and Data Acquisition (SCADA)	Annual program to upgrade technology and equipment in support of the utility SCADA system.	Design Construction Total Project	\$ 6,200 \$ 30,200 \$ 36,400	\$ 6,200 \$ 30,200 \$ 36,400	\$ 6,200 \$ 30,200 \$ 36,400	\$ 6,200 \$ 30,200 \$ 36,400	\$ 6,200 \$ 30,200 \$ 36,400	\$ 6,200 \$ 30,200 \$ 36,400	\$ 6,200 \$ 30,200 \$ 36,400	\$ 6,200 \$ 30,200 \$ 36,400	\$ 43,400 \$ 211,400 \$ 254,800
001059A	Electrical Systems Technical Recovery Program	Replacement of Waste-To-Energy (WTE) electrical systems that were not in Acceptable Operating Condition when the WTE contract was awarded as part of the Technical Recovery Program.	Construction Total Project	\$ 200,000 \$ 200,000	\$ 200,000 \$ 200,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 200,000 \$ 200,000
001111A	Landfill Perimeter Buffer Project	Vegetation screening of operations and site enhancement for public benefit.	Construction Total Project	\$ 250,000 \$ 250,000	\$ 50,000 \$ 50,000	\$ 200,000 \$ 200,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 250,000 \$ 250,000
001593A	Mechanical Systems Technical Recovery Program	Repair and replacement of Waste-To-Energy (WTE) mechanical systems that were not in Acceptable Operating Condition when the WTE Contract was awarded as part of the Technical Recovery Program.	Construction Total Project	\$ 815,200 \$ 815,200	\$ 1,300,000 \$ 1,300,000	\$ 300,000 \$ 300,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 1,600,000 \$ 1,600,000
002135A	Stoker, Grates, Boilers and Combustion Control Technical Recovery Program	Repair and replacement of Waste-To-Energy (WTE) stoker, grates, boiler tubes and combustion control systems that were not in Acceptable Operating Condition when the WTE contract was awarded as part of the Technical Recovery Program.	Construction Total Project	\$ 12,000,000 \$ 12,000,000	\$ 15,000,000 \$ 15,000,000	\$ 5,000,000 \$ 5,000,000	\$ 2,000,000 \$ 2,000,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 22,000,000 \$ 22,000,000
002136A	Turbine Generator Technical Recovery Program	Repair and replacement of Waste-To-Energy (WTE) turbine generator systems that were not in Acceptable Operating Condition when the WTE contract was awarded as part of the Technical Recovery Program.	Construction Total Project	\$ 518,000 \$ 518,000	\$ 820,000 \$ 820,000	\$ 315,000 \$ 315,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 1,135,000 \$ 1,135,000
002137A	Instrumentation and Controls Technical Recovery Program	Repair and replacement of Waste-To-Energy (WTE) instrumentation and control systems that were not in Acceptable Operating Condition when the WTE contract was awarded as part of the Technical Recovery Program.	Construction Total Project	\$ 265,000 \$ 265,000	\$ 265,000 \$ 265,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 265,000 \$ 265,000
002140A	Landfill - Sediment Ponds at Sod Farm	Fill in the remaining basins at the sod farm	Construction Total Project	\$ 250,000 \$ 250,000	\$ - \$ -	\$ 250,000 \$ 250,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 250,000 \$ 250,000
002423A	Industrial Waste Treatment Facility Improvements	Evaluation of biological fouling. This includes phase II for new pond A intake and improvements to reverse osmosis feed tank and chemical injection.	Construction Total Project	\$ 700,000 \$ 700,000	\$ 500,000 \$ 500,000	\$ 1,500,000 \$ 1,500,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 2,000,000 \$ 2,000,000
002575A	Technical Recovery Plan Capital Improvement Projects	Capital improvement projects to replace or perform major repairs on significant systems or operating equipment within the Waste-To-Energy Facility.	Construction Total Project	\$ 262,000 \$ 262,000	\$ 385,000 \$ 385,000	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 385,000 \$ 385,000
002580A	Organics Processing Facility Design Assessment	Technology assessment to identify and evaluate options for organics processing.	Design	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000

Project Number	Project Name	Description	Task Name	Approved FY20	Current Year 2020 Estimate	Proposed 2021	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	Total Estimate
002584A	Overhead Variable Message board at the Solid Waste Scalehouse	Purchase/install variable message board to span over all three inbound lanes.	Construction	\$ -	\$ -	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 800,000
			Total Project	\$ 200,000	\$ -	\$ 200,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
			Construction	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
			Total Project	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
003346A	New Scale Lane	Create additional outbound scale lane to weigh outbound vehicles.	Design	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
			Construction	\$ -	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
			Total Project	\$ -	\$ 40,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 840,000
			Design	\$ 150,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
003347A	Industrial Waste Treatment Facility Clarifier	Replacement of the Industrial Waste Treatment Facility clarifier.	Construction	\$ 2,500,000	\$ -	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,000,000
			Total Project	\$ 2,650,000	\$ 300,000	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,300,000
			Design	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
			Construction	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 4,500,000
003348A	Industrial Waste Treatment Facility Sludge Dewatering	Install equipment for dewatering sludge from the water treatment plant.	Total Project	\$ 100,000	\$ -	\$ 100,000	\$ 3,000,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 4,600,000
			Design	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
			Construction	\$ -	\$ -	\$ -	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000
			Total Project	\$ 350,000	\$ -	\$ 350,000	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,850,000
003350A	New Canopy at Solid Waste Scale House	Replace existing canopy over the scales and booths.	Design	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
			Construction	\$ -	\$ -	\$ -	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000
			Total Project	\$ 350,000	\$ -	\$ 350,000	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,850,000
			Design	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000
003356A	Solid Waste Stormwater System Management Improvements	Design and install equipment to capture and manage stormwater before it mixes with leachate.	Total Project	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000
			Design	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
			Construction	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 3,000,000
			Total Project	\$ 200,000	\$ -	\$ 200,000	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 3,200,000
003357A	Landfill Gas	Gas processing equipment to convert to fuel or electricity.	Design	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
			Construction	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 3,000,000
			Total Project	\$ 200,000	\$ -	\$ 200,000	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 3,200,000
			Design	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
003358A	Tipping Floor Expansion	Extend covered area for tipping floor at the Waste To Energy Facility. This includes covering the entire tarmac area.	Construction	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 3,000,000
			Total Project	\$ 2,000,000	\$ -	\$ 300,000	\$ 2,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 3,300,000
			Design	\$ 150,000	\$ 50,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
			Construction	\$ 2,500,000	\$ -	\$ -	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
003359A	Ash Processing Facility	Infrastructure needed to support a comprehensive ash processing facility.	Total Project	\$ 2,650,000	\$ 50,000	\$ 200,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,750,000
			Design	\$ 700,000	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 700,000
			Construction	\$ 12,000,000	\$ -	\$ 2,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 12,000,000
			Total Project	\$ 12,700,000	\$ -	\$ 2,700,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 12,700,000
003363A	Sod Farm Slurry Wall	Reconstruct sod farm slurry wall.	Design	\$ 700,000	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 700,000
			Construction	\$ 12,000,000	\$ -	\$ 2,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 12,000,000
			Total Project	\$ 12,700,000	\$ -	\$ 2,700,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 12,700,000
			Design	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
003364A	Industrial Waste Treatment Facility Brine Treatment	Additional technology to treat the brine generated as a process of the reverse osmosis treatment process.	Construction	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 4,500,000
			Total Project	\$ 250,000	\$ -	\$ 250,000	\$ 3,000,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 4,750,000
			Total Site Ops	\$ 50,186,600	\$ 22,766,400	\$ 28,160,400	\$ 36,167,400	\$ 12,836,400	\$ 5,536,400	\$ 1,536,400	\$ 1,536,400	\$ 108,691,800
			TOTAL 4023	\$ 53,752,820	\$ 26,121,620	\$ 28,970,400	\$ 38,797,400	\$ 12,836,400	\$ 5,536,400	\$ 1,536,400	\$ 1,536,400	\$ 115,487,020

SOLID WASTE FINANCIAL FORECAST AND RATE STUDY UPDATE

PRESENTATION TO THE RATE REVIEW SUBCOMMITTEE OF THE TECHNICAL MANAGEMENT COMMITTEE

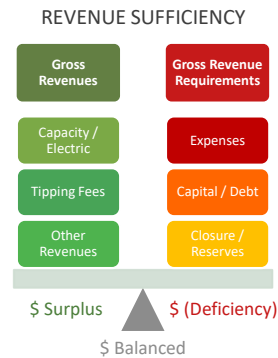
JANUARY 22, 2020



Presentation by:
 RAFTELIS

SCOPE AND METHODOLOGY

- Scope
 - Raftelis tasked to update 30-Year financial forecast model
 - Present findings to Staff, Technical Management Committee (TMC) members and the Board of County Commissioners (BCC)
- Methodology
 - Data driven process
 - Examined contractual arrangements
 - Establish financial targets / parameters
 - Trends → Assumptions → Forecasts
 - Revenue sufficiency & rate adjustments
 - Rate phasing



- PPA includes two components
 - Electricity Sales - Based on energy generated from burning waste; \$0.031 per KWH
 - Capacity Payments – Payment to Pinellas County based on avoided cost for Duke to build/operate/maintain fossil fuel burning facility that generates amount of electricity that Pinellas produces from waste; currently ~\$4.75M per month, annual increase of 6.4%
- At the time of model analysis, no new projects, programs, or technologies were identified as result of Master Plan

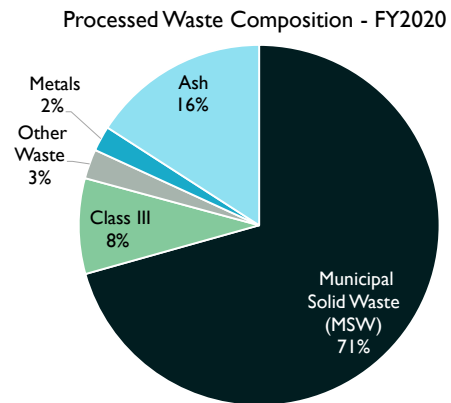


WHAT HAS AND HAS NOT CHANGED

- What has changed since the last Study
 - Rate increases implemented for fiscal year 2020
 - Higher than projected waste deliveries for fiscal year 2019
 - Recycling and metals markets decline
 - Incremental changes to operating budget and capital plan
- What has not changed
 - Master Plan is not included in the Study
 - No Updates to the current Power Purchase Agreement (PPA) is assumed

KEY ASSUMPTIONS - TONNAGE COMPOSITION AND GROWTH

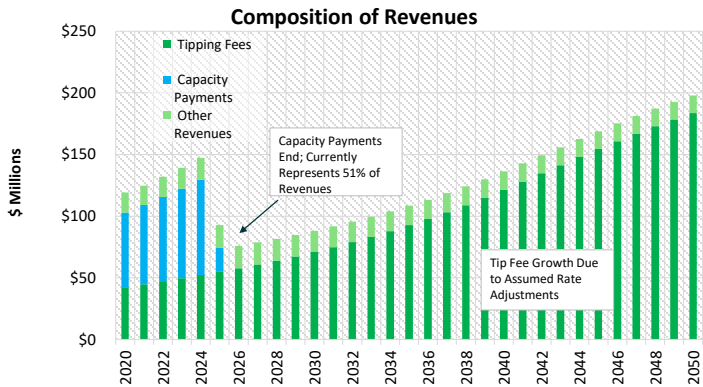
- County processes approximately 1.3 million tons a year
 - Inbound Waste = 1.0 million tons per year
 - Municipal solid waste (MSW), class III (yard waste, construction debris), tires, etc.
 - Processed By Products = 0.3 million tons per year
 - Ash, recovered metals, and mulch
- No growth in waste deliveries were assumed during the forecast period
 - Decreases in tire tons were assumed due to projected rate increases (i.e., disincentivizing out of County waste)



- Forecast assumes minimal growth based on population growth (less than 1.0%, average 0.33% for entire forecast)

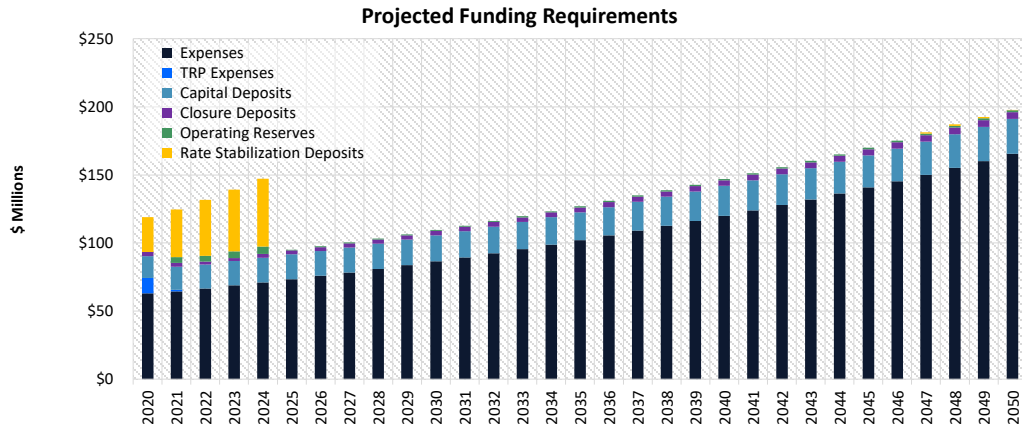
KEY ASSUMPTIONS - REVENUES

- Tipping fees
 - Capacity payments
 - Electricity sales
 - Metal recovery
 - Interest income
- } Other Revenues



- Most of SW revenue derived from Capacity Payments, presently \$57M annually or 51% of total revenue (FY19)
- Capacity Payments end FY25 and will have a material funding shortfall
 - Last full fiscal year revenue = \$77.4M
- Tip fees presently account for only 30% of total revenues and do not sufficiently recover the cost of service. **REVENUE GAP!**

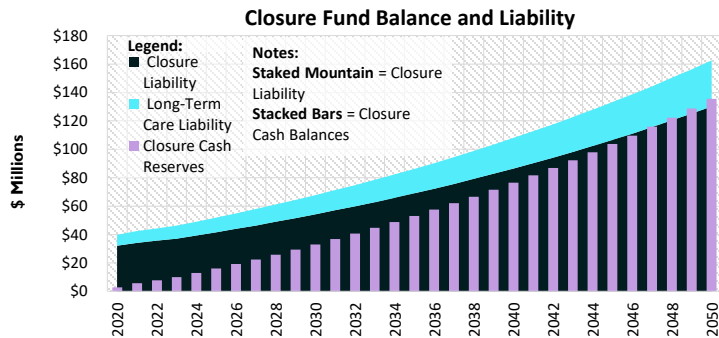
KEY ASSUMPTIONS – PROJECTED REVENUE REQUIREMENTS



- O&M is the principal expense
- Approximately a 3% annual increase in O&M exclusive of Technical Recovery Plan (TRP) – Expenses primarily related to Waste to Energy (WTE) and Landfill.
 - TRP investment funded at \$243M to repair and replace aging components at WTE and extend facility life to 2035 and beyond
- Capital transfers to fund CIP – discuss in more detail in a subsequent slide
- Minor deposits to fund closure and post-closure expense (may need to explain this expense) – discuss more detail in the following slide

KEY ASSUMPTIONS - CLOSURE AND POST-CLOSURE

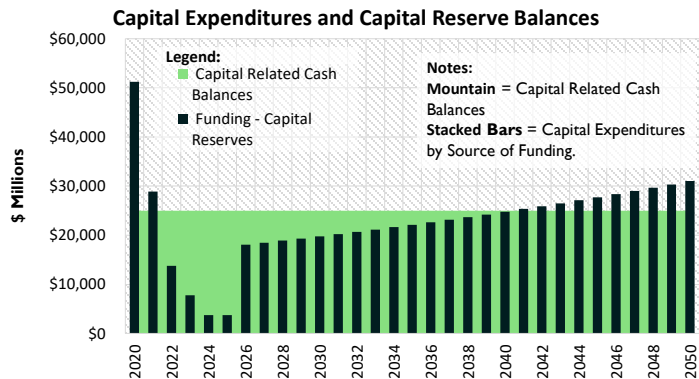
- Liability not currently funded
 - Financial Test for financial assurance compliance
- Target: Fund closure Liability only
- No initial deposit
- Slope closures included in Capital Improvement Plan (CIP)



- Bridgeway Acres = 705 total acre campus, approximately 500 acres dedicated for disposal
- Not assuming an initial deposit to catch up to liability
- Fully funding change in liability year-over-year (slightly over to reach target by end of forecast)
- Target to fully fund closure, but not long-term care due to timing of when long-term care would actually begin

KEY ASSUMPTIONS - CAPITAL

- Proposed CIP FY20-25 = \$109.1m
- Top five projects \$63.6m:
 - Remaining TRP = \$20.8m
 - Industrial Waste Treatment = \$13.5m
 - Slurry Wall = \$12.7m
 - Scale Replacement = \$8.6m
 - Side Slope Closures = \$8.0m
- Master Plan not reflected
- Assumed Depreciation as proxy for capital needs after 2025
 - \$18 million annually escalated for inflation



- Capital Improvement Plan (CIP) not inflated in model
- \$25M minimum capital reserve
- Top 5 projects represent 58.3% of capital plan.
- Includes budgetary capital outlay

FINDINGS

Findings and Recommendations:

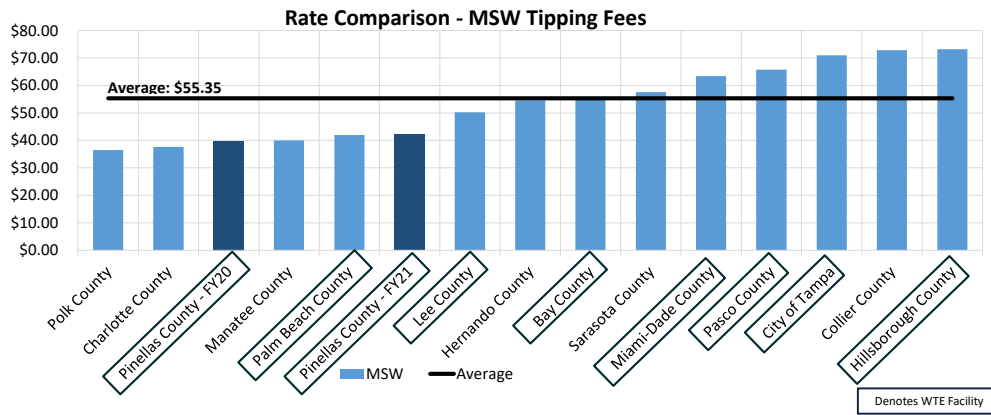
- Currently on plan
- Continue with adopted rates for FYs21-22
- TMC will make formal tip fee recommendation for FY22 and FY23 during annual review process
- The impact of the disposal cost increase to a single family resident generating 1 ton of waste per year may be \$2.40 for FY21

<u>Tip Fee Recommendations</u>				
	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Rate Adj. (%)		6.0%	6.0%	5.8%
Tip Fee (\$)	\$39.75	\$42.15	\$44.70	\$47.29
Change (\$)		\$2.40	\$2.55	\$2.59

Sensitivity Options:

- 1 – PPA Agreement / Rate Scenarios
- 2 – Programmed Capital Beyond 2024
- 3 – Closure and Long-Term Care Funding
- 4 – Tonnage
- 5 – Cash Reserve Targets

MSW TIPPING FEE COMPARISON



THANK YOU!
DISCUSSIONS & QUESTIONS

