SOLID WASTE MANAGEMENT DEPARTMENT SUMMARY

MISSION STATEMENT:

The mission of the Solid Waste Management Department is to protect public health by providing an efficient and environmentally sound waste management system for the County's citizens.

PROGRAMS AND SERVICES:

ACCOMPLISHMENTS, INITIATIVES, TRENDS AND ISSUES AND SERVICE LEVEL IMPACTS:

Disposal

Accomplishments:

- Started the bedding, using selective waste, of Cell 1 located at the Central Disposal Facility
- The Department continues to make progress on the U.S. Highway 192 project
 - Desert Ranches and two other entities have settled the administrative hearing with the approval of an agreement with Brevard County and the Florida Department of Environmental Protection
 - To Date, one major permit received Solid Waste Permit
 - o Received draft for Section 404 Standard Permit from the Army Corps of Engineers
 - Resubmitted the Florida Department of Environmental Protection Environmental Resources Permit (E R P)
 - On Target to pursue additional minor permits in tandem with receipt of the major permits as stated above
- Completed parking lot for Maintenance Building with solar panels to power the facility

Initiatives:

- Commenced the repurposing of the old maintenance building for dry storage
- Started partial closure of the Slurry Wall Landfill

Trends and Issues:

- Recent aerial surveys have shown that the Sarno Road Landfill capacity will last slightly longer than anticipated
 - This is a result of a redesign of the side slopes, as well as, relocating the road
 - The Department continues progress on the U.S. Highway 192 site, which is anticipated to eventually replace the Sarno Road Landfill
 - The Department will continue to explore the use of solar energy to help power our facilities and reduce our operating expenses
- The Department is currently reviewing the alternatives to the U.S. 192 site development
 - Develop the U.S. 192 site as a Class III landfill as previously directed; estimated cost is \$67,000,000 and the life is estimated at sixty years or more
 - Transport the Class I I I materials to the Central Disposal Facility; estimated cost is
 \$58,000,000 for twenty years; the Central Disposal Facility would run out of capacity

- and the County would have to look for a place to take the Class I as well as Class I I I materials
- Contract with the J E D Facility located in Osceola County; estimated cost for twenty-five years is \$94,000,000
- Develop the property adjacent to the Sarno Road Landfill as well as purchase the private landfill (Florida Recyclers), this option cost is pending an appraisal that was commissioned as well as additional data to determine the expected life; maximizing the use of the facility would require the approval from the City of Melbourne
- Titusville transfer station is currently in need of replacement and conceptual planning has started for the replacement

Service Level Impacts:

Not Applicable

Collection & Recycling

Accomplishments:

- Brevard County's traditional recycling rate for 2017 was 54% and the adjusted rate was 59%;
 the recycling goal set by the State of Florida for 2017 was 60% and the Statewide recycling rate for this period of time was 52%
 - o Contamination of recyclables is a major concern which is currently under study
- Waste Management has indicated that they will not exercise the three additional years of the contract

Initiatives:

- The Department intends to focus on decreasing the contamination rate suffered by the recyclables by implementing changes through the Lean Six Sigma process
- The Department is in the process of requesting proposals for collection services

Trends and Issues:

- Since the inception of the new collection contract and the transition to carts, the recycling tonnage has increased over the years to 59% in the county; the Department continues to emphasize the benefits of recycling through its education and outreach programs.
- Prices for the sale of recyclables have fallen dramatically, mainly due to the Chinese market and are expected to recuperate slowly at an unknown cost
- The Sarno Road Landfill replacement continues to be a concern in order to continue to service the south end of the county

Service Level Impacts:

Not Applicable

SOLID WASTE MANAGEMENT DEPARTMENT: SUMMARY

Solid Waste Management Department Revenue & Expense Category	Actual F Y 2017- 2018	Final Budget F Y 2018- 2019	Adopted Budget F Y 2019- 2020	Difference	% Change
Taxes Revenue	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Spec. Assess. Revenue	\$829,134	\$440,000	\$453,200	\$13,200	3.00%
Intergovernmental Revenue	\$8,000,613	\$0	\$0	\$0	0.00%
Charges for Services Revenue	\$40,459,617	\$38,959,985	\$40,711,175	\$1,751,190	4.49%
Fines and Forfeits Revenue	\$0	\$0	\$0	\$0	0.00%
Miscellaneous Revenue	\$1,989,401	\$1,117,558	\$1,141,739	\$24,181	2.16%
Statutory Reduction	\$0	-\$2,025,878	-\$2,104,971	-\$79,093	3.90%
Total Operating Revenues	\$51,278,765	\$38,491,665	\$40,201,143	\$1,709,478	4.44%
Balance Forward Revenue	\$67,491,513	\$71,620,472	\$73,020,520	\$1,400,048	1.95%
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other Revenue	\$0	\$0	\$0	\$0	0.00%
Other Finance Source Revenue	\$0	\$0	\$0	\$0	0.00%
Total Non-Operating Revenues	\$67,491,513	\$71,620,472	\$73,020,520	\$1,400,048	1.95%
TOTAL REVENUES	\$118,770,278	\$110,112,137	\$113,221,663	\$3,109,526	2.82%
Compensation and Benefits Expense	\$8,467,798	\$8,989,285	\$9,148,163	\$158,878	1.77%
Operating Expense	\$35,019,033	\$36,027,927	\$29,123,037	-\$6,904,890	-19.17%
Capital Outlay Expense	\$2,871,982	\$3,746,420	\$3,968,347	\$221,927	5.92%
Operating Expenditures	\$46,358,814	\$48,763,632	\$42,239,547	-\$6,524,085	-13.38%
C I P Expense	\$918,997	\$12,320,000	\$12,110,000	-\$210,000	-1.70%
Debt Service Expense	\$1,021,075	\$875,729	\$872,140	-\$3,589	-0.41%
Reserves-Operating Expense	\$0	\$5,562,709	\$7,124,792	\$1,562,083	28.08%
Reserves - Capital Expense	\$0	\$15,287,090	\$12,591,644	-\$2,695,446	-17.63%
Reserves - Restricted Expense	\$0	\$25,675,422	\$36,670,943	\$10,995,521	42.83%
Grants and Aid Expense	\$0	\$0	\$0	\$0	0.00%
Transfers Expense	\$1,516,409	\$1,627,555	\$1,612,597	-\$14,958	-0.92%
Total Non-Operating Expenses	\$3,456,481	\$61,348,505	\$70,982,116	\$9,633,611	15.70%
TOTAL EXPENDITURES	\$49,815,295	\$110,112,137	\$113,221,663	\$3,109,526	2.82%

SOLID WASTE MANAGEMENT DEPARTMENT: DISPOSAL

Disposal Program Revenue & Expense Category	Actual F Y 2017- 2018	Final Budget F Y 2018- 2019	Adopted Budget F Y 2019- 2020	Difference	% Change
Taxes Revenue	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Special Assessments Revenue	\$829,134	\$440,000	\$453,200	\$13,200	3.00%
Intergovernmental Revenue	\$194,766	\$0	\$0	\$0	0.00%
Charges for Services Revenue	\$27,764,867	\$25,609,480	\$27,217,464	\$1,607,984	6.28%
Fines and Forfeits Revenue	\$0	\$0	\$0	\$0	0.00%
Miscellaneous Revenue	\$1,721,290	\$931,808	\$990,527	\$58,719	6.30%
Statutory Reduction	\$0	-\$1,349,065	-\$1,422,725	-\$73,660	5.46%
Total Operating Revenues	\$30,510,057	\$25,632,223	\$27,238,466	\$1,606,243	6.27%
Balance Forward Revenue	\$61,554,740	\$66,558,726	\$67,958,774	\$1,400,048	2.10%
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other Revenue	\$0	\$0	\$0	\$0	0.00%
Other Finance Source Revenue	\$0	\$0	\$0	\$0	0.00%
Non-Operating Revenues	\$61,554,740	\$66,558,726	\$67,958,774	\$1,400,048	2.10%
TOTAL REVENUES	\$92,064,797	\$92,190,949	\$95,197,240	\$3,006,291	3.26%
Compensation and Benefits Expense	\$8,467,798	\$8,989,285	\$9,148,163	\$158,878	1.77%
Operating Expense	\$13,736,530	\$22,586,826	\$15,494,761	-\$7,092,065	-31.40%
Capital Outlay Expense	\$2,871,982	\$3,746,420	\$3,968,347	\$221,927	5.92%
Operating Expenses	\$25,076,311	\$35,322,531	\$28,611,271	-\$6,711,260	-19.00%
C I P Expense	\$918,997	\$12,320,000	\$12,110,000	-\$210,000	-1.70%
Debt Service Expense	\$862,785	\$875,729	\$872,140	-\$3,589	-0.41%
Reserves-Operating Expense	\$0	\$2,772,622	\$4,418,645	\$1,646,023	59.37%
Reserves - Capital Expense	\$0	\$15,287,090	\$12,591,644	-\$2,695,446	-17.63%
Reserves - Restricted Expense	\$0	\$24,275,422	\$35,270,943	\$10,995,521	45.29%
Grants and Aid Expense	\$0	\$0	\$0	\$0	0.00%
Transfers Expense	\$1,322,129	\$1,337,555	\$1,322,597	-\$14,958	-1.12%
Non-Operating Expenses	\$3,103,911	\$56,868,418	\$66,585,969	\$9,717,551	17.09%
	\$28,180,222	\$92,190,949	\$95,197,240	\$3,006,291	3.26%

DISPOSAL: BUDGET VARIANCES

Disposal Program Revenue and Expense Category	Variance	% Variance	Explanation
Taxes Revenue	\$0	0.00%	
Permits, Fees & Spec. Assess. Revenue	\$13,200	3.00%	Attributable to the anticipated increase in building projected for the County
Intergovernmental Revenue	\$0	0.00%	
Charges for Services Revenue	\$1,607,984	6.28%	Attributable to the increase in Solid Waste Assessments and Gate Charges at the landfills
Fines and Forfeits Revenue	\$0	0.00%	
Miscellaneous Revenue	\$58,719	6.30%	Attributable to an increase in the projection of Interest revenue and roll-off permits
Statutory Reduction	-\$73,660	5.46%	Attributable to a slight decrease in landfill gas sales
Balance Forward Revenue	\$1,400,048	2.10%	Increase due to closure project at the Central Disposal Facility being behind schedule and funds being carried forward from F Y 2019 to F Y 2020
Transfers - General Revenue	\$0	0.00%	
Transfers - Other Revenue	\$0	0.00%	
Other Finance Source Revenue	\$0	0.00%	
Compensation and Benefits Expense Operating Expense	\$158,878 -\$7,092,065	1.77%	Attributable to Cost of Living Adjustments and F R S rate increases Primarily due to increased spending in F Y 2019 related to the Central Disposal Facility closure project
Capital Outlay Expense	\$221,927	5.92%	Attributable to increases in the cost of heavy equipment that is expected to be purchased in F Y 2020
Grants and Aid Expense	\$0	0.00%	
C I P Expense	-\$210,000	-1.70%	Attributable to the phasing out of several Capital projects
Debt Service Expense	-\$3,589	-0.41%	Decrease is based on the figures outlined in the amortization schedule
Reserves-Operating Expense	\$1,646,023	59.37%	Attributable to increased contingencies related to future emergencies
Reserves - Capital Expense	-\$2,695,446	-17.63%	Attributable to the increased cost of heavy equipment which needs to be replaced early due to maintenance issues
Reserves - Restricted Expense	\$10,995,521	45.29%	Attributable to estimated closure costs related to capacity and annual upkeep of our current landfills
Transfers Expense	\$0	0.00%	

SOLID WASTE MANAGEMENT DEPARTMENT: COLLECTIONS

Collections Program Revenue & Expense Category	Actual F Y 2017- 2018	Final Budget F Y 2018- 2019	Adopted Budget F Y 2019- 2020	Difference	% Change
Taxes Revenue	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Special Assessments Revenue	\$0	\$0	\$0	\$0	0.00%
Intergovernmental Revenue	\$7,805,847	\$0	\$0	\$0	0.00%
Charges for Services Revenue	\$12,694,750	\$13,350,505	\$13,493,711	\$143,206	1.07%
Fines and Forfeits Revenue	\$0	\$0	\$0	\$0	0.00%
Miscellaneous Revenue	\$268,111	\$185,750	\$151,212	-\$34,538	-18.59%
Statutory Reduction	\$0	-\$676,813	-\$682,246	-\$5,433	0.80%
Total Operating Revenues	\$20,768,708	\$12,859,442	\$12,962,677	\$103,235	0.80%
Balance Forward Revenue	\$5,936,773	\$5,061,746	\$5,061,746	\$0	0.00%
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other Revenue	\$0	\$0	\$0	\$0	0.00%
Other Finance Source Revenue	\$0	\$0	\$0	\$0	0.00%
Non-Operating Revenues	\$5,936,773	\$5,061,746	\$5,061,746	\$0	0.00%
TOTAL REVENUES	\$26,705,481	\$17,921,188	\$18,024,423	\$103,235	0.58%
Compensation and Benefits Expense	\$0	\$0	\$0	\$0	0.00%
Operating Expense	\$21,282,503	\$13,441,101	\$13,628,276	\$187,175	1.39%
Capital Outlay Expense	\$0	\$0	\$0	\$0	0.00%
Operating Expenses	\$21,282,503	\$13,441,101	\$13,628,276	\$187,175	1.39%
C I P Expense	\$0	\$0	\$0	\$0	0.00%
Debt Service Expense	\$158,290	\$0	\$0	\$0	0.00%
Reserves-Operating Expense	\$0	\$2,790,087	\$2,706,147	-\$83,940	-3.01%
Reserves - Capital Expense	\$0	\$0	\$0	\$0	0.00%
Reserves - Restricted Expense	\$0	\$1,400,000	\$1,400,000	\$0	0.00%
Grants and Aid Expense	\$0	\$0	\$0	\$0	0.00%
Transfers Expense	\$194,280	\$290,000	\$290,000	\$0	0.00%
Non-Operating Expenses	\$352,570	\$4,480,087	\$4,396,147	-\$83,940	-1.87%
TOTAL EXPENSES	\$21,635,073	\$17,921,188	\$18,024,423	\$103,235	0.58%

COLLECTIONS: BUDGET VARIANCES

Collections Program Revenue and Expense Category	Variance	% Variance	Explanation
Taxes Revenue	\$0	0.00%	
Permits, Fees & Spec. Assess. Revenue	\$0	0.00%	
Intergovernmental Revenue	\$0	0.00%	
Charges for Services Revenue	\$143,206	1.07%	Attributable to an increase in the Solid Waste Assessment
Fines and Forfeits Revenue	\$0	0.00%	
Miscellaneous Revenue	-\$34,538	-18.59%	Attributable to trends suggesting lower estimates in Miscellaneous revenues as well as decreases in recycling commodities markets
Statutory Reduction	-\$5,433	0.80%	Coincides with increases in Operating Revenue
Balance Forward Revenue	\$0	0.00%	
Transfers - General Revenue	\$0	0.00%	
Transfers - Other Revenue	\$0	0.00%	
Other Finance Source Revenue	\$0	0.00%	
Compensation and Benefits Expense	\$0	0.00%	
Operating Expense	\$187,175	1.39%	Attributable to an increase in the current collection contract
Capital Outlay Expense	\$0	0.00%	
Grants and Aid Expense	\$0	0.00%	
C I P Expense	\$0	0.00%	
Debt Service Expense	\$0	0.00%	
Reserves-Operating Expense	-\$83,940	-3.01%	Attributable to an increase in costs associated with the current collection contract
Reserves - Capital Expense	\$0	0.00%	
Reserves - Restricted Expense	\$0	0.00%	
Transfers Expense	\$0	0.00%	

SOLID WASTE MANAGEMENT DEPARTMENT PERFORMANCE MEASURES

Program	Objective	Measure	Actual F Y 2017- 2018	Estimated F Y 2018- 2019	Projected F Y 2019- 2020
Disposal	Safeguard life, safety and property; maintaining levels of service	Tons Handled by Solid Waste Facilities	932,584	954,800	983,400
Disposal	Improve Effectiveness	Rate of Landfill Compaction - Central Disposal Facility (pounds per cubic yard)	1086	1330	1575
Disposal	Improve Effectiveness	Rate of Landfill Compaction - South Landfill Cell I (pounds per cubic yard)	665	1120	1575
Disposal	Improve Effectiveness	Rate of Landfill Compaction - Sarno Road Landfill (pounds per cubic yard)	522	950	1375
Disposal	Effective & Efficient Operations	Total Operations and Maintenance Cost per ton	27.42	31.87	32.90
Collection & Recycling	Provide cultural and recreational services as well as protect and conserve our natural resources	Recycling Programs	133	140	150
Collection & Recycling	Deliver excellent customer service	Total Complaints	239	200	200

SOLID WASTE MANAGEMENT DEPARTMENT TRAVEL A&B SUMMARY

				Funding	Total
Program Name	Description	Position	Destination	Source	Cost
Disposal	Solid Waste Association of North America - Summer Seminar	Director	TBD	User Fees	\$1,407
Disposal	Education for Transfer Station Certification	Director	TBD	User Fees	\$1,172
Disposal	Solid Waste Association of North America - Winter Seminar	Director	TBD	User Fees	\$1,407
Disposal	Florida Department of Environmental Regulation	Director	Tallahassee	User Fees	\$380
Disposal	Florida Department of Environmental Regulation	Director	Tallahassee	User Fees	\$380
Disposal	Florida chapter North American Hazardous Material Management Association Regulatory/Compliance Workshop	Environmental Scientist	TBD	User Fees	\$321
Disposal	Recycle Florida Today Annual Conference	Recycling Coordinator	Florida	User Fees	\$1,320
Disposal	Recycle Florida Today Winter Summit	Recycling Educator and Coordinator	Florida	User Fees	\$600
Disposal	R F T Lunch and Learn	Recycling Educator and Coordinator	Florida	User Fees	\$220
Disposal	Solid Waste Association of North America - Summer Seminar	Operations Manager	TBD	User Fees	\$1,407
Disposal	Solid Waste Association of North America - Winter Seminar	Operations Manager	TBD	User Fees	\$1,407
Disposal	Rules, Laws and Ethics Course	Engineer III and Assistant Director	Local	User Fees	\$60
Disposal	S W A N A Summer Seminar	Assistant Director	TBD	User Fees	\$1,492
Disposal	S W A N A Winter Seminar	Engineer I I I	TBD	User Fees	\$1,492

Program Name	Description	Position	Destination	Funding Source	Total Cost
Disposal	Area Practice Engineer Course	Assistant Director	TBD	User Fees	\$100
Disposal	Area Practice Engineer Course	Engineer I I I	TBD	User Fees	\$1,563
Disposal	Solid Waste Association of North America	8 Heavy Equipment Operators	TBD	User Fees	\$3,576
Disposal	Solid Waste Association of North America	Mechanic	TBD	User Fees	\$894
Disposal	Solid Waste Association of North America - Summer Seminar	Superintendent	TBD	User Fees	\$1,407
Disposal	ROADEO	TBD	TBD	User Fees	\$925
Total Funded For Department \$21					

SOLID WASTE MANAGEMENT DEPARTMENT CAPITAL OUTLAY SUMMARY

Total Funded For Program

		Quantit		Funding	Total
Program Name	Description	у	Unit Cost	Source	Cost
Disposal	Desk Top Computer	1	\$1,100	Assessments	\$1,100
Disposal	Desk Top Computer	1	\$1,100	Assessments	\$1,100
Disposal	Desk Top Computer	1	\$1,650	Assessments	\$1,650
Disposal	Desk Top Computer	1	\$1,650	Assessments	\$1,650
Disposal	Desk Top Computer	1	\$3,950	Assessments	\$3,950
Disposal	Desk Top Computer	1	\$1,800	Assessments	\$1,800
Disposal	Desk Top Computer	1	\$1,800	Assessments	\$1,800
Disposal	Desk Top Computer	1	\$1,800	Assessments	\$1,800
Disposal	Desk Top Computer	1	\$1,800	Assessments	\$1,800
Disposal	Desk Top Computer	1	\$1,800	Assessments	\$1,800
Disposal	Printer	1	\$2,950	Assessments	\$2,950
Disposal	Server	1	\$8,000	Assessments	\$8,000
Disposal	Portable Litter Fence	5	\$5,446	Assessments	\$27,232
Disposal	Tow Behind Magnet	1	\$8,250	Assessments	\$8,250
Disposal	Landfill G P S System	1	\$141,000	Assessments	\$141,000
Disposal	Lincoln Ranger 250 G X T Welder	1	\$4,687	Assessments	\$4,687
Disposal	Landfill G P S System	1	\$120,000	Assessments	\$120,000
Disposal	Truck, Pick-up Chevy 1500	1	\$27,011	Assessments	\$27,011
Disposal	Truck, Pick-up Chevy 2500 4 x 4	1	\$31,807	Assessments	\$31,807
Disposal	Truck, Pick-up Chevy 2500 4 x 4 Crew Cab	1	\$43,760	Assessments	\$43,760
Disposal	Trailer, Posi-Shell Applicator	1	\$76,030	Assessments	\$76,030
Disposal	Excavator, C A T	1	\$391,770	Assessments	\$391,770
Disposal	Excavator, C A T	1	\$390,073	Assessments	\$390,073
Disposal	Compactor, landfill	1	\$1,064,203	Assessments	\$1,064,203
Disposal	Loader, 644 K	3	\$380,648	Assessments	\$1,141,944
Disposal	Baler, Cardboard	1	\$15,300	Assessments	\$15,300
Disposal	Trailer, Aluminum Moving Floor	4	\$113,970	Assessments	\$455,880

\$3,968,347

SOLID WASTE MANAGEMENT DEPARTMENT CAPITAL IMPROVEMENTS PROGRAM

Dragram Nama	Description	Funding	Total Cost
Program Name	Description	Source	Total Cost
Disposal	Vehicle Maintenance Building Repurpose	Assessment, Impact Fees	\$330,000
Disposal	U.S. Highway 192 Site	Assessment, Impact Fees	\$5,500,000
Disposal	Titusville Transfer Station	Assessment, Impact Fees	\$3,750,000
Disposal	South Landfill Expansion Cell 2	Impact Fees	\$500,000
Disposal	Sarno Road Transfer Station Solar Panels	Assessments	\$610,000
Disposal	Multi-Use Education Facility	Assessment, Impact Fees	\$520,000
Disposal	Mockingbird Way Mulching Expansion	Assessment, Impact Fees	\$900,000
Total Funded For Department			\$12,110,000