

FY 2016 - 17 Proposed Budget and Multi-Year Capital Plan

Solid Waste Management

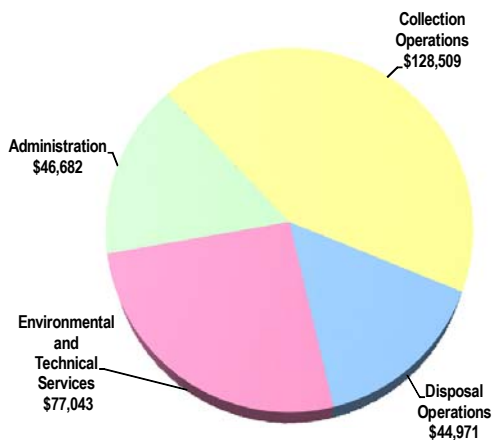
The Department of Solid Waste Management (DSWM) collects garbage and trash in the Waste Collection Service Area (WCSA), performs a series of waste disposal tasks countywide, provides mosquito control services countywide and enforces County ordinances as appropriate countywide.

As part of the Neighborhoods and Infrastructure strategic area, DSWM provides a variety of services for residents, including garbage and trash collection and curbside collection of recyclable materials. In addition, the Department operates 13 Trash and Recycling (T&R) Centers in the WCSA and provides waste transfer and disposal services countywide to municipalities and private haulers. DSWM is also responsible for the operation and management of three regional transfer stations and associated fleet, two operating landfills, and the Resources Recovery facility (one of the largest waste-to-energy facilities in the world) and a co-located ashfill. Other services provided include residential and commercial code enforcement, litter clean-up, transit bus stop litter collection, maintenance of two County-owned closed landfills and three closed cells, illegal dumping enforcement and removal, and storm debris removal. Additionally, DSWM has countywide responsibility for the regulation of waste collection, transportation of waste, recycling activities, and providing mosquito prevention, education and outreach for environmentally sensitive mosquito control services,

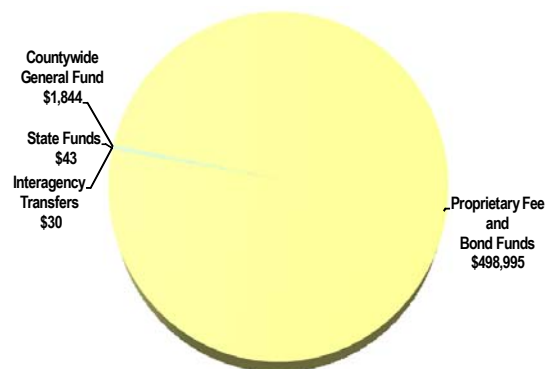
In fulfilling its purpose, the Department contracts with municipalities and private haulers to provide them with disposal services and manages an agreement for the operation of the Resources Recovery facility. Landscape businesses also obtain permits from DSWM for use of the T&R Centers, landfills and the waste-to-energy facility. The Department coordinates with federal and state regulators, other County departments, and municipalities for the implementation of disposal site mitigation. DSWM also works with community stakeholders such as homeowners' associations to maximize customer satisfaction, as well as the Department of Health on mosquito control issues.

FY 2016-17 Proposed Budget

Expenditures by Activity
(dollars in thousands)

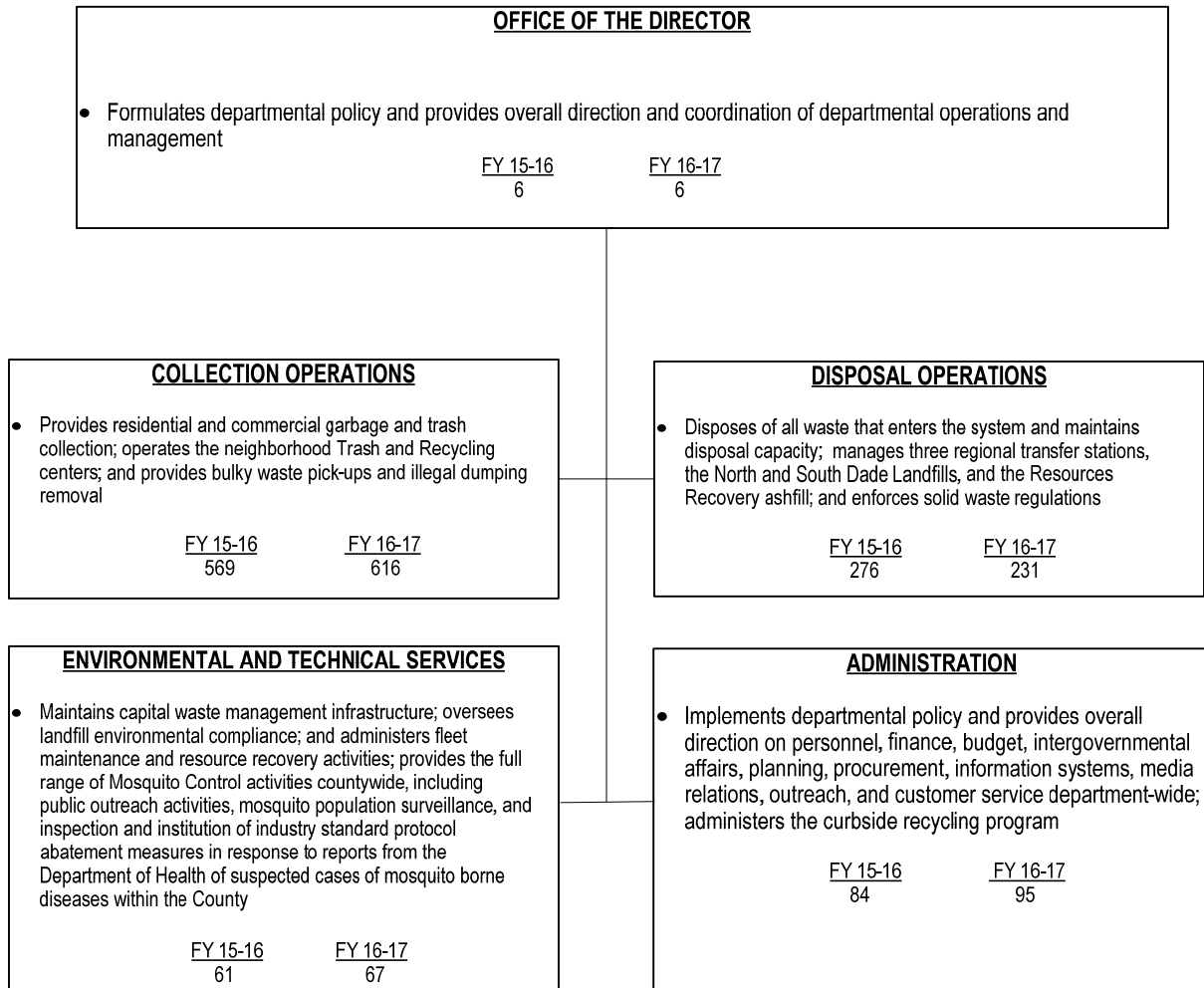


Revenues by Source
(dollars in thousands)



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TABLE OF ORGANIZATION



The FY 2016-17 total number of full-time equivalent positions is 1,026.5

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FINANCIAL SUMMARY

(dollars in thousands)	Actual FY 13-14	Actual FY 14-15	Budget FY 15-16	Proposed FY 16-17
Revenue Summary				
General Fund Countywide	1,504	1,361	1,584	1,844
Carryover	159,563	178,255	163,928	190,500
Collection Fees and Charges	143,072	142,969	135,988	139,849
Disposal Fees and Charges	131,311	130,780	114,994	121,129
Fees and Charges	0	0	0	4,252
Interest Earnings	362	370	409	390
Interest/ Rate Stabilization Reserve	67	56	58	54
Intradepartmental Transfers	0	165	165	165
Recyclable Material Sales	1,569	1,937	1,874	1,750
Resource Recovery Energy Sales	14,225	10,242	10,450	6,498
Transfer Fees	7,332	7,984	6,643	7,808
Utility Service Fee	24,523	27,832	24,168	26,600
Carryover	55	55	55	0
Mosquito State Grant	29	31	43	43
Interagency Transfers	28	7	30	30
Total Revenues	483,640	502,044	460,389	500,912

Operating Expenditures Summary

Salary	51,240	54,306	52,780	57,797
Fringe Benefits	16,622	17,048	19,245	23,030
Court Costs	2	1	7	12
Contractual Services	137,203	138,246	144,285	148,149
Other Operating	11,424	6,801	16,274	16,464
Charges for County Services	49,344	43,609	51,131	45,743
Grants to Outside Organizations	0	0	0	21
Capital	2,424	20,083	1,518	5,989
Total Operating Expenditures	268,259	280,094	285,240	297,205

Non-Operating Expenditures Summary

Transfers	18,771	4,833	20,001	13,516
Distribution of Funds In Trust	1,380	1,389	1,402	1,401
Debt Service	9,079	28,716	21,055	16,230
Depreciation, Amortizations and Depletion	7,047	-98	0	0
Reserve	0	0	132,691	172,560
Total Non-Operating Expenditures	36,277	34,840	175,149	203,707

(dollars in thousands)	Total Funding		Total Positions	
Expenditure By Program	Budget FY 15-16	Proposed FY 16-17	Budget FY 15-16	Proposed FY 16-17
Strategic Area: Neighborhood and Infrastructure				
Administration	39,408	46,682	90	101
Collection Operations	116,362	128,509	569	616
Disposal Operations	49,897	44,971	276	231
Environmental and Technical Services	79,573	77,043	61	67
Total Operating Expenditures	285,240	297,205	996	1,015

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SELECTED ITEM HIGHLIGHTS AND DETAILS

Line Item Highlights	(dollars in thousands)				
	Actual FY 13-14	Actual FY 14-15	Budget FY 15-16	Projection FY 15-16	Proposed FY 16-17
Advertising	429	435	497	545	725
Fuel	9,931	7,775	10,455	6,694	6,700
Overtime	5,357	6,080	3,944	5,589	3,039
Rent	964	1,068	1,237	1,782	1,943
Security Services	2,150	2,022	2,143	2,013	2,050
Temporary Services	1,222	1,640	1,201	1,698	737
Travel and Registration	25	36	63	85	105
Utilities	68,559	70,106	67,183	71,765	72,036

DIVISION: ADMINISTRATION

Formulates departmental policy and provides overall direction and coordination of departmental operations and management; implements departmental policy and provides overall direction on personnel, finance, budget, intergovernmental affairs, planning, procurement, information systems, media relations, outreach, and customer service department-wide; administers the curbside recycling program

DIVISION COMMENTS

- In FY2016-17, the Department will continue to receive payments from other County departments to include parking revenues from the Internal Services Department (\$716,000) and rent from Juvenile Services (\$605,000) and Parks, Recreation and Open Spaces (\$921,000), along with an annual payment for land acquisition of the West-Dade Soccer Park over ten years (\$169,000) that will end in FY 2017-18
- The FY 2016-17 Proposed Budget includes payments to the Office of the Inspector General (\$50,000) for expenses associated with audits and reviews
- The FY 2016-17 Proposed Budget includes a payment to the Communications Department to provide website maintenance and updates (\$706,000)
- The FY 2016-17 Proposed Budget includes a payment to the Information Technology Department to continue replacement of the current waste collection system database to enable countywide integration (\$364,000)
- The FY 2016-17 Proposed Budget includes funding for residential curbside recycling (\$9.484 million), providing over 350,000 households with service every other week
- The FY 2016-17 Proposed Budget includes a reimbursement to the Human Resources Department for 50 percent of a Personnel Specialist 2 position (\$45,000) to assist with the backlog of compensation position reviews
- The FY 2016-17 Proposed Budget includes the addition of five positions in accounting and bond administration, human resources, procurement, and budget divisions to provide critical back office support such as maintaining internal control, compliance with bond ordinance requirement, personnel file maintenance, and Human Resource Management System data entry
- The FY 2016-17 Proposed Budget includes the implementation of a training and education unit with six additional positions to provide commercial driver license safety, and other required training; this will allow for standardized training thereby reducing accidents, repair costs, and insurance costs; the training component will allow the department to hire, train, and promote operational vacancies in an expedited basis thereby allowing for a full complement of crews to better serve the public.

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DIVISION: COLLECTION OPERATIONS

The Collection Operations Division provides residential and commercial garbage and trash collection, operates neighborhood Trash and Recycling Centers, and provides bulky waste pick-ups and illegal dumping removal

Strategic Objectives - Measures

- NI4-2: Promote livable and beautiful neighborhoods

Objectives	Measures			FY 13-14	FY 14-15	FY 15-16	FY 15-16	FY 16-17
				Actual	Actual	Budget	Projection	Target
Improve programs that promote neighborhood and rights-of-way aesthetics	Average illegal dumping pick-up response time (in calendar days)	EF	↓	3	4	4	4	4
Improve collection of residential curbside garbage and trash	Trash and Recycling Center tons collected (in thousands)	IN	↔	121	125	118	134	135
	Bulky waste complaints per 1,000 regular bulky waste orders created	OC	↓	7	7	6	6	6
	Average bulky waste response time (in calendar days)	EF	↓	8	7	8	8	8
	Scheduled illegal dumping piles picked-up within eight calendar days	EF	↑	93%	94%	95%	95%	95%
	Bulky waste trash tons collected (in thousands)	IN	↔	72	111	71	113	114

DIVISION COMMENTS

- The FY 2016-17 Proposed Budget assumes a flat annual residential waste collection fee of \$439, which allows the Department to maintain the current level of service to include two weekly residential curbside garbage pickups, bi-weekly residential curbside recycling pick-up, two 25 cubic yard annual bulky waste pickups per household, and unlimited use of the 13 Trash and Recycling Centers
- In FY 2016-17, the Department will continue to provide trash collection services (\$46.753 million), which includes the UMSA litter program along corridors and at hotspots (\$1.564 million)
- In FY 2016-17, the Department will continue to provide curbside garbage collection services (\$77.504 million) to include commercial garbage collection by contract (\$1.958 million) and waste collection pick-ups at specific non-shelter bus stops (\$527,000)
- The FY 2016-17 Proposed Budget includes payment to the Corrections and Rehabilitation Department (\$330,000) for supervision of litter pick-up crews
- The FY 2016-17 Proposed Budget continues to fund three Disposal Technicians within the Animal Services Department (\$148,000)
- The FY 2016-17 Proposed Budget corrects the location of 47 Code Enforcement positions from Disposal Operations to Collections Operations
- The FY 2016-17 Proposed Budget includes payment to the Greater Miami Service Corps (\$202,000) for litter pickup, cart repairs, and other special projects

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DIVISION: DISPOSAL OPERATIONS

The Disposal Operations Division is responsible for disposal of all waste that enters the system and maintaining disposal capacity; managing three regional transfer stations, the North and South Dade Landfills, and the Resources Recovery ashfill; and enforcing solid waste regulations

Strategic Objectives - Measures

- NI2-3: Provide adequate solid waste disposal capacity that meets adopted level-of-service standard

Objectives	Measures			FY 13-14	FY 14-15	FY 15-16	FY 15-16	FY 16-17
				Actual	Actual	Budget	Projection	Target
Ensure ongoing availability and capacity that meets demand at transfer and disposal facilities	Disposal tons accepted at full fee (in thousands)	IN	↔	1,620	1,680	1,600	1,680	1,610
	Years of remaining disposal capacity (Level of Service)	IN	↔	19	16	17	16	16
	Total (Revenue) Tons Transferred in (in thousands)	IN	↔	558	612	564	612	612
	Enforcement related complaints responded to within two business days	EF	↑	96%	94%	95%	95%	95%
	Number of Residential Enforcement actions undertaken (in thousands)	OP	↔	57	52	60	53	55

DIVISION COMMENTS

- The FY 2016-17 Proposed Budget assumes no change in the Consumer Price Index (CPI) applied to disposal fees consistent with contracts and interlocal agreements, based on the July CPI South, All Urban Consumers issued by the United States Bureau of Labor Statistics
- As a pilot program, the Department will be reducing the time to respond to warning notices and citations from seven and five days, respectively, to two days, prior to enforcement action being taken
- In FY 2016-17, the Department will continue to fund the daily performance and management of the Community Service Program (\$196,000) which includes the transfer of two Waste Enforcement Office 1 positions (\$138,000) to the Department of Transportation and Public Works*
- The FY 2016-17 Proposed Budget includes the addition of four full-time positions and 18 part-time positions that will help mitigate overtime and temporary employee costs
- The FY 2016-17 Proposed Budget corrects the location of 47 Code Enforcement positions to Collections Operations from Disposal Operations

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DIVISION: ENVIRONMENTAL AND TECHNICAL SERVICES

The Environmental and Technical Services Division is responsible for maintaining capital waste management infrastructure and overseeing facilities maintenance, environmental compliance, fleet management and the Resources Recovery contract. The division also performs the full range of Mosquito Control activities Countywide including public outreach activities, mosquito population surveillance, and inspection and institution of industry standard protocol abatement measures in response to reports from the Department of Health of suspected cases of mosquito borne diseases within the County.

Strategic Objectives - Measures

- NI2-2: Provide functional and well maintained drainage to minimize flooding

Objectives	Measures			FY 13-14	FY 14-15	FY 15-16	FY 15-16	FY 16-17
				Actual	Actual	Budget	Projection	Target
Maintain drain cleaning requirements	Percentage of mosquito complaints responded to within two business days of receipt during the rainy season	EF	↑	78%	95%	100%	100%	100%

- NI3-6: Preserve and enhance natural areas

Objectives	Measures			FY 13-14	FY 14-15	FY 15-16	FY 15-16	FY 16-17
				Actual	Actual	Budget	Projection	Target
Ensure compliance with Florida Department of Environmental Protection (FDEP)	Percentage of FDEP reporting deadlines met	EF	↑	100%	100%	100%	100%	100%
	Compliance inspections performed	OP	↔	505	541	450	532	504
	Patrons served by Home Chemical Collection program	OC	↑	4,292	5,097	4,160	4,921	5,600
Present at least 24 public household waste outreach events each year	Average quantity of household chemical waste collected per patron (in pounds)	OC	↑	115	99	110	107	95

DIVISION COMMENTS

- ☛ In FY 2016-17, the Department will continue environmental and technical service operations that include facilities maintenance (\$3.271 million), fleet management (\$1.430 million), and environmental services (\$4.3 million)
- ☛ In FY 2016-17 the Department will continue operation of two Home Chemical Collection Centers countywide (\$814,000)
- The FY 2016-17 Proposed Budget includes the financing of 55 vehicles for the Waste Collection Operations (\$426,000 annual debt service payment) and cash purchase of 45 vehicles for the Waste Disposal Operations (\$4.999 million)
- ☛ The Department has received and placed into service five Compressed Natural Gas (CNG) truck tractors as part of a pilot program utilizing a BCC approved Memorandum of Understanding with City of North Miami for fueling service (\$275,000 annually); in addition, the Department is currently negotiating a contract for development of long-term CNG infrastructure
- In FY 2016-17, DSWM is continuing to pursue options to replace the expired power purchase agreement associated with the Waste-to-Energy Plant in order to obtain long-term energy rates
- In FY 2016-17, the Department will continue to receive a four percent Utility Service Fee (USF) of the average retail Water and Sewer customer's bill to fund landfill remediation and other USF eligible projects (\$26.6 million)
- ☛ The FY 2016-17 Proposed Budget includes the continuation of the contract with Covanta Dade Renewable Energy, Ltd. to operate and maintain the County's Resources Recovery facility (\$64.189 million), including other supplemental contracts to support the Resources Recovery operation (\$475,000)

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- The FY 2016-17 Proposed Budget includes the addition of six full-time positions (\$346,000) to ensure compliance with state regulations and provide coverage for daily staff shortages; these include Semi-Skilled Laborers, a Waste Plant Master Electrician and an Administrative Secretary
- In response to Zika virus outreach efforts, the Department has allocated resources toward public education brochures, overtime, and necessary supplies to prevent and minimize the spread of Zika in the County, as well as pursuing grant opportunities (\$250,000)
- The FY 2016-17 Proposed Budget includes funding for aerial mosquito spraying by contract with a private company and the United States Air Force (\$167,000)
- The FY 2016-17 Proposed Budget includes a reimbursement for mosquito spraying from the Seaport, Homestead Airforce Base, and the Water and Sewer Department (\$30,000)

ADDITIONAL INFORMATION

- The FY 2016-17 Proposed Budget includes payments in the amount of \$995,000 for salary reimbursements and/or services provided to: Human Resources (\$38,000); Audit and Management Services (\$125,000); Inspector General (\$50,000); Community Action and Human Services (\$202,000); Corrections and Rehabilitation (\$330,000); Animal Services (\$148,000); Finance Department (\$2,000) for Purchase Card Industry (PCI) compliance; \$100,000 has also been allocated to fund Community-based Organizations (CBOs) for environmental education programs and presentations
- The FY 2016-17 Proposed Budget includes payments in the amount of \$199,000 for a loan repayment from Parks, Recreation and Open Spaces (\$169,000) and a reimbursement for mosquito spraying from Seaport (\$30,000)

CAPITAL BUDGET SUMMARY

(dollars in thousands)	PRIOR	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FUTURE	TOTAL
Revenue									
BBC GOB Series 2008B	780	0	0	0	0	0	0	0	780
BBC GOB Series 2013A	1,791	0	0	0	0	0	0	0	1,791
Utility Service Fee	0	250	2,550	200	0	0	0	0	3,000
Solid Waste System Rev. Bonds Series 2005	60,792	0	0	0	0	0	0	0	60,792
BBC GOB Series 2008B-1	127	0	0	0	0	0	0	0	127
Future Solid Waste Disp. Notes/Bonds	0	1,415	20,825	200	1,380	9,870	5,750	46,500	85,940
Waste Collection Operating Fund	3,030	1,630	2,034	1,050	750	750	420	2,066	11,730
Waste Disposal Operating Fund	24,340	11,636	23,045	11,595	14,565	515	435	7,059	93,190
Interest Earnings	4,673	0	0	0	0	0	0	0	4,673
BBC GOB Series 2011A	917	0	0	0	0	0	0	0	917
Capital Outlay Reserve	0	300	0	0	0	0	0	0	300
BBC GOB Series 2014A	1,320	0	0	0	0	0	0	0	1,320
BBC GOB Financing	1,619	4,649	0	0	0	0	0	0	6,268
Donations	1,000	0	0	0	0	0	0	0	1,000
BBC GOB Series 2005A	47	0	0	0	0	0	0	0	47
Solid Waste System Rev. Bonds Series 2001	2,655	0	0	0	0	0	0	0	2,655
Total:	103,091	19,880	48,454	13,045	16,695	11,135	6,605	55,625	274,530
Expenditures									
Strategic Area: NI									
Mosquito Control	0	300	0	0	0	0	0	0	300
Waste Collection	1,881	1,030	1,803	1,050	750	750	420	2,066	9,750
Waste Collection and Disposal	1,915	1,000	385	0	0	0	0	0	3,300
Waste Disposal	17,212	13,025	14,303	11,280	14,250	200	100	6,800	77,170
Waste Disposal Environmental Projects	44,974	12,745	47,722	7,565	3,745	12,235	7,115	47,909	184,010
Total:	65,982	28,100	64,213	19,895	18,745	13,185	7,635	56,775	274,530

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CAPITAL HIGHLIGHTS AND OPERATIONAL IMPACTS

- In FY 2016-17 the Department will continue the construction of Cell 5 at the South Dade Landfill (\$8.022 million in FY 2016-17; \$18.5 million total project cost)
- The FY 2016-17 Proposed Multi-Year Capital Plan includes grant funding for the Munisport Landfill Closure (\$2.0 million in FY2016-17; \$35.7 million total project cost) and Virginia Key Closure (\$6.120 million in FY 2016-17; \$46.360 million total project cost)

FUNDED CAPITAL PROJECTS

(dollars in thousands)

SOUTH DADE LANDFILL CELL 5 CLOSURE

PROJECT #: 501350



DESCRIPTION: Design and construct closure of South Dade Landfill Cell 5 per Federal Department of Environmental Protection regulations

LOCATION: 24000 NW 97 Ave
Unincorporated Miami-Dade County

District Located: 8
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future Solid Waste Disp. Notes/Bonds	0	0	0	0	0	0	0	18,500	18,500
TOTAL REVENUES:	0	0	0	0	0	0	0	18,500	18,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	0	0	0	0	0	15,200	15,200
Planning and Design	0	0	0	0	0	0	0	2,300	2,300
Project Contingency	0	0	0	0	0	0	0	1,000	1,000
TOTAL EXPENDITURES:	0	0	0	0	0	0	0	18,500	18,500

WEST TRANSFER STATION IMPROVEMENTS

PROJECT #: 501410

DESCRIPTION: Renovate and replace tipping floor and entire drainage system at the West Transfer Station

LOCATION: 2900 SW 72 Ave
Coral Gables

District Located: 6
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	336	215	349	0	0	0	0	0	900
TOTAL REVENUES:	336	215	349	0	0	0	0	0	900
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	240	185	255	0	0	0	0	0	680
Planning and Design	81	20	79	0	0	0	0	0	180
Project Contingency	15	10	15	0	0	0	0	0	40
TOTAL EXPENDITURES:	336	215	349	0	0	0	0	0	900

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DISPOSAL FACILITY EXIT SCALES

PROJECT #: 502240

DESCRIPTION: Construct and install two new exit scales at the West and Central Transfer stations
 LOCATION: Various Sites
 Throughout Miami-Dade County

District Located: 3, 6
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	90	0	90	0	0	0	0	0	180
TOTAL REVENUES:	90	0	90	0	0	0	0	0	180
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	82	0	82	0	0	0	0	0	164
Planning and Design	6	0	6	0	0	0	0	0	12
Project Contingency	2	0	2	0	0	0	0	0	4
TOTAL EXPENDITURES:	90	0	90	0	0	0	0	0	180

RESOURCES RECOVERY ASH LANDFILL CELL 20 CLOSURE

PROJECT #: 503220

DESCRIPTION: Design and construct closure of Resources Recovery Cell 20 per Federal Department of Environmental Protection regulations
 LOCATION: 6990 NW 97 Ave
 Doral

District Located: 12
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future Solid Waste Disp. Notes/Bonds	0	0	0	0	0	0	0	6,000	6,000
TOTAL REVENUES:	0	0	0	0	0	0	0	6,000	6,000
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	0	0	0	0	0	4,650	4,650
Planning and Design	0	0	0	0	0	0	0	850	850
Project Contingency	0	0	0	0	0	0	0	500	500
TOTAL EXPENDITURES:	0	0	0	0	0	0	0	6,000	6,000

SOUTH DADE LANDFILL CELL 4 CLOSURE

PROJECT #: 504370

DESCRIPTION: Design and construct the closure of South Dade Landfill Cell 4 per Federal Department of Environmental Protection regulations
 LOCATION: 24000 SW 97 Ave
 Unincorporated Miami-Dade County

District Located: 8
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future Solid Waste Disp. Notes/Bonds	0	0	0	0	1,380	9,870	5,750	500	17,500
TOTAL REVENUES:	0	0	0	0	1,380	9,870	5,750	500	17,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	0	0	0	7,800	5,600	500	13,900
Planning and Design	0	0	0	0	1,280	1,320	0	0	2,600
Project Contingency	0	0	0	0	100	750	150	0	1,000
TOTAL EXPENDITURES:	0	0	0	0	1,380	9,870	5,750	500	17,500

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SOUTH DADE LANDFILL CELL 5 CONSTRUCTION

PROJECT #: 505480



DESCRIPTION: Construct the last 50 acre cell at the South Dade Landfill per Florida Department of Environmental Protection regulations
 LOCATION: 24000 SW 97 Ave District Located: 8
 Unincorporated Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
BBC GOB Financing	1,619	4,649	0	0	0	0	0	0	6,268
BBC GOB Series 2005A	47	0	0	0	0	0	0	0	47
BBC GOB Series 2008B	780	0	0	0	0	0	0	0	780
BBC GOB Series 2008B-1	127	0	0	0	0	0	0	0	127
BBC GOB Series 2011A	917	0	0	0	0	0	0	0	917
BBC GOB Series 2013A	1,791	0	0	0	0	0	0	0	1,791
BBC GOB Series 2014A	1,320	0	0	0	0	0	0	0	1,320
Waste Disposal Operating Fund	90	3,373	3,137	650	0	0	0	0	7,250
TOTAL REVENUES:	6,691	8,022	3,137	650	0	0	0	0	18,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	4,811	7,750	2,689	600	0	0	0	0	15,850
Planning and Design	1,650	22	28	0	0	0	0	0	1,700
Project Contingency	230	250	420	50	0	0	0	0	950
TOTAL EXPENDITURES:	6,691	8,022	3,137	650	0	0	0	0	18,500

SCALEHOUSE EXPANSION PROJECT

PROJECT #: 505670



DESCRIPTION: Expand and improve disposal system scalehouses at the North Dade Landfill, South Dade Landfill, and Central Transfer Station
 LOCATION: Various Sites District Located: 1, 9, 10
 Throughout Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	1,061	552	1,077	20	0	0	0	0	2,710
TOTAL REVENUES:	1,061	552	1,077	20	0	0	0	0	2,710
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	671	320	1,044	15	0	0	0	0	2,050
Planning and Design	348	212	0	0	0	0	0	0	560
Project Contingency	42	20	33	5	0	0	0	0	100
TOTAL EXPENDITURES:	1,061	552	1,077	20	0	0	0	0	2,710

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SHOP 3A NEW FACILITY BUILDING

PROJECT #: 505950



DESCRIPTION: Construct a new 7,500 square foot building at shop 3A to replace an existing temporary trailer, which will house both Disposal and Collection employees and contain storage for equipment and archived departmental files

LOCATION: 18701 NE 6 Ave
Unincorporated Miami-Dade County

District Located: 1
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Collection Operating Fund	1,149	600	231	0	0	0	0	0	1,980
Waste Disposal Operating Fund	766	400	154	0	0	0	0	0	1,320
TOTAL REVENUES:	1,915	1,000	385	0	0	0	0	0	3,300
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,345	910	305	0	0	0	0	0	2,560
Planning and Design	442	0	58	0	0	0	0	0	500
Project Contingency	128	90	22	0	0	0	0	0	240
TOTAL EXPENDITURES:	1,915	1,000	385	0	0	0	0	0	3,300

RESOURCES RECOVERY ASH LANDFILL CELL 19 CLOSURE

PROJECT #: 507690



DESCRIPTION: Design and construct closure of Resources Recovery Cell 19 per Federal Department of Environmental Protection regulations

LOCATION: 6990 NW 97 Ave
Doral

District Located: 12
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future Solid Waste Disp. Notes/Bonds	0	1,065	0	0	0	0	0	0	1,065
Waste Disposal Operating Fund	906	1,285	944	0	0	0	0	0	3,135
TOTAL REVENUES:	906	2,350	944	0	0	0	0	0	4,200
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	210	2,000	840	0	0	0	0	0	3,050
Planning and Design	676	0	24	0	0	0	0	0	700
Project Contingency	20	350	80	0	0	0	0	0	450
TOTAL EXPENDITURES:	906	2,350	944	0	0	0	0	0	4,200

58 STREET HOME CHEMICAL COLLECTION CENTER AND AREA DRAINAGE IMPROVEMENTS

PROJECT #: 507960



DESCRIPTION: Renovate the old 58 Street maintenance shop for use as the new Home Chemical Collection (HC2) Center and construct drainage improvements to address on-going flooding problems; replace the existing temporary Home Chemical Center at 58 St with a new building; improve vehicle flow, new pavement and striping

LOCATION: 8831 NW 58 St
Unincorporated Miami-Dade County

District Located: 12
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	841	1,596	563	0	0	0	0	0	3,000
TOTAL REVENUES:	841	1,596	563	0	0	0	0	0	3,000
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	354	1,550	321	0	0	0	0	0	2,225
Planning and Design	442	0	208	0	0	0	0	0	650
Project Contingency	45	46	34	0	0	0	0	0	125
TOTAL EXPENDITURES:	841	1,596	563	0	0	0	0	0	3,000

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RESOURCES RECOVERY - CAPITAL IMPROVEMENT PROJECTS

PROJECT #: 508640



DESCRIPTION: Continue on-going miscellaneous capital projects to include a new transformer, upgraded turbine controls, enhanced boiler protection, improved parking lot lighting, improved storm drainage, installation of fire hoses at the Bio Mass Building, and replace the old trailers with a permanent structure

LOCATION: 6990 NW 97 Ave
Unincorporated Miami-Dade County

District Located: 12
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Donations	1,000	0	0	0	0	0	0	0	1,000
Waste Disposal Operating Fund	10,992	1,000	6,008	0	0	0	0	0	18,000
TOTAL REVENUES:	11,992	1,000	6,008	0	0	0	0	0	19,000
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	6,012	800	888	0	0	0	0	0	7,700
Land Acquisition/Improvements	5,000	0	5,000	0	0	0	0	0	10,000
Planning and Design	670	110	20	0	0	0	0	0	800
Project Contingency	310	90	100	0	0	0	0	0	500
TOTAL EXPENDITURES:	11,992	1,000	6,008	0	0	0	0	0	19,000

NORTHEAST TRANSFER STATION IMPROVEMENTS

PROJECT #: 509100

DESCRIPTION: Design tipping floor expansion by using a retaining wall and privacy screening for new development

LOCATION: 18701 NE 6 Ave
Unincorporated Miami-Dade County

District Located: 1
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	2,193	1,030	1,467	910	0	0	0	0	5,600
TOTAL REVENUES:	2,193	1,030	1,467	910	0	0	0	0	5,600
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,793	1,000	1,207	900	0	0	0	0	4,900
Planning and Design	295	0	205	0	0	0	0	0	500
Project Contingency	105	30	55	10	0	0	0	0	200
TOTAL EXPENDITURES:	2,193	1,030	1,467	910	0	0	0	0	5,600

NORTH DADE LANDFILL EAST CELL CLOSURE

PROJECT #: 509110



DESCRIPTION: Design and construct closure of the North Dade Landfill East Cell per Florida Department of Environmental Protection regulations

LOCATION: 21500 NW 47 Ave
Unincorporated Miami-Dade County

District Located: 1
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future Solid Waste Disp. Notes/Bonds	0	0	0	0	0	0	0	21,500	21,500
TOTAL REVENUES:	0	0	0	0	0	0	0	21,500	21,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	0	0	0	0	0	17,350	17,350
Planning and Design	0	0	0	0	0	0	0	2,650	2,650
Project Contingency	0	0	0	0	0	0	0	1,500	1,500
TOTAL EXPENDITURES:	0	0	0	0	0	0	0	21,500	21,500

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DISPOSAL SYSTEM FACILITIES BACKUP POWER GENERATORS

PROJECT #: 509270



DESCRIPTION: Install three new emergency generators at the South Dade Landfill and NW 58 Street facilities

LOCATION: Various Sites

District Located:

Countywide

Throughout Miami-Dade County

District(s) Served:

Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	350	350	220	0	0	0	0	0	920
TOTAL REVENUES:	350	350	220	0	0	0	0	0	920
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	8	8	14	0	0	0	0	0	30
Furniture Fixtures and Equipment	300	300	150	0	0	0	0	0	750
Planning and Design	30	30	50	0	0	0	0	0	110
Project Contingency	12	12	6	0	0	0	0	0	30
TOTAL EXPENDITURES:	350	350	220	0	0	0	0	0	920

SOUTH DADE LANDFILL CELL 4 GAS EXTRACTION AND ODOR CONTROL

PROJECT #: 509280



DESCRIPTION: Design and construct a methane gas collection system from the South Dade Landfill cell, as well as an odor control system to address odor and air emissions issues per Federal Department of Environmental Protection regulations

LOCATION: 24000 SW 97 Ave

District Located:

8

Unincorporated Miami-Dade County

District(s) Served:

Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	1,156	340	904	50	50	50	50	0	2,600
TOTAL REVENUES:	1,156	340	904	50	50	50	50	0	2,600
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	765	230	845	40	40	40	40	0	2,000
Planning and Design	330	70	0	0	0	0	0	0	400
Project Contingency	61	40	59	10	10	10	10	0	200
TOTAL EXPENDITURES:	1,156	340	904	50	50	50	50	0	2,600

OLD SOUTH DADE LANDFILL STORMWATER PUMP STATION MODIFICATIONS

PROJECT #: 601660



DESCRIPTION: Modify the old South Dade Landfill stormwater pump station

LOCATION: 23707 SW 97 Ave

District Located:

8

Unincorporated Miami-Dade County

District(s) Served:

8

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	166	50	334	0	0	0	0	0	550
TOTAL REVENUES:	166	50	334	0	0	0	0	0	550
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	75	45	295	0	0	0	0	0	415
Planning and Design	80	0	5	0	0	0	0	0	85
Project Contingency	11	5	34	0	0	0	0	0	50
TOTAL EXPENDITURES:	166	50	334	0	0	0	0	0	550

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VIRGINIA KEY LANDFILL CLOSURE

PROJECT #: 606610



DESCRIPTION: Close the Virginia Key Landfill
LOCATION: Virginia Key
City of Miami

District Located: 7
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future Solid Waste Disp. Notes/Bonds	0	0	18,075	0	0	0	0	0	18,075
Solid Waste System Rev. Bonds Series 2005	28,285	0	0	0	0	0	0	0	28,285
TOTAL REVENUES:	28,285	0	18,075	0	0	0	0	0	46,360
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,606	4,160	30,210	4,500	0	0	0	0	40,476
Planning and Design	2,424	800	60	0	0	0	0	0	3,284
Project Contingency	258	1,160	882	300	0	0	0	0	2,600
TOTAL EXPENDITURES:	4,288	6,120	31,152	4,800	0	0	0	0	46,360

TAYLOR PARK REMEDIATION

PROJECT #: 606750



DESCRIPTION: Remediate contaminated areas at Taylor Park
LOCATION: 15450 W Dixie Hwy
North Miami Beach

District Located: 2
District(s) Served: 2

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future Solid Waste Disp. Notes/Bonds	0	350	2,750	200	0	0	0	0	3,300
Waste Disposal Operating Fund	200	0	0	0	0	0	0	0	200
TOTAL REVENUES:	200	350	2,750	200	0	0	0	0	3,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	1,900	100	0	0	0	0	2,000
Planning and Design	195	300	5	0	0	0	0	0	500
Project Contingency	5	50	845	100	0	0	0	0	1,000
TOTAL EXPENDITURES:	200	350	2,750	200	0	0	0	0	3,500

SOUTH DADE LANDFILL EXPANSION IMPROVEMENTS

PROJECT #: 609120

DESCRIPTION: Buy 175 acres of land west of SW 97 Ave for future expansion, improvements or as a buffer to the landfill
LOCATION: 23707 SW 97 Ave
Unincorporated Miami-Dade County

District Located: 8
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	100	300	4,900	0	0	0	0	0	5,300
TOTAL REVENUES:	100	300	4,900	0	0	0	0	0	5,300
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Land Acquisition/Improvements	80	20	4,900	0	0	0	0	0	5,000
Planning and Design	20	280	0	0	0	0	0	0	300
TOTAL EXPENDITURES:	100	300	4,900	0	0	0	0	0	5,300

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NORTH DADE LANDFILL EXPANSION/IMPROVEMENTS

PROJECT #: 609860

DESCRIPTION: Buy 215 acres of land west of NW 47 Ave for future expansion improvements or as a buffer to the landfill
 LOCATION: 21500 NW 47 Ave District Located: 1
 Unincorporated Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	0	0	0	0	0	0	0	6,800	6,800
TOTAL REVENUES:	0	0	0	0	0	0	0	6,800	6,800
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Land Acquisition/Improvements	0	0	0	0	0	0	0	6,500	6,500
Planning and Design	0	0	0	0	0	0	0	300	300
TOTAL EXPENDITURES:	0	0	0	0	0	0	0	6,800	6,800

MUNISPORT LANDFILL CLOSURE GRANT

PROJECT #: 5010690

DESCRIPTION: Close the Munisport Landfill through the Municipal Landfill Closure Grant
 LOCATION: NE 145 St and Biscayne Blvd District Located: 3
 North Miami District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Interest Earnings	4,673	0	0	0	0	0	0	0	4,673
Solid Waste System Rev. Bonds Series 2005	31,027	0	0	0	0	0	0	0	31,027
TOTAL REVENUES:	35,700	0	0	0	0	0	0	0	35,700
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	24,068	2,000	1,632	2,000	2,000	2,000	1,000	1,000	35,700
TOTAL EXPENDITURES:	24,068	2,000	1,632	2,000	2,000	2,000	1,000	1,000	35,700

REPLACEMENT OF SCALES AT DISPOSAL FACILITIES

PROJECT #: 5010750

DESCRIPTION: Replace four aged scales at Northeast (2), Central (1), and West (1), which are used to weigh waste delivered for disposal
 LOCATION: Disposal Facilities District Located: Countywide
 Various Sites District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	180	180	0	0	0	0	0	0	360
TOTAL REVENUES:	180	180	0	0	0	0	0	0	360
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	162	162	0	0	0	0	0	0	324
Planning and Design	12	12	0	0	0	0	0	0	24
Project Contingency	6	6	0	0	0	0	0	0	12
TOTAL EXPENDITURES:	180	180	0	0	0	0	0	0	360

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ENVIRONMENTAL IMPROVEMENTS

PROJECT #: 5050251



DESCRIPTION: Install groundwater monitoring wells and other equipment to perform FDEP/USEPA/RER required test studies
 LOCATION: To Be Determined District Located: Countywide
 Various Sites District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	530	75	95	75	75	75	75	0	1,000
TOTAL REVENUES:	530	75	95	75	75	75	75	0	1,000
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	465	55	75	55	55	55	55	0	815
Permitting	0	5	5	5	5	5	5	0	30
Planning and Design	10	5	5	5	5	5	5	0	40
Project Contingency	55	10	10	10	10	10	10	0	115
TOTAL EXPENDITURES:	530	75	95	75	75	75	75	0	1,000

SOUTH DADE LANDFILL GROUNDWATER REMEDIATION

PROJECT #: 5051580



DESCRIPTION: Construct a trench along the east side of South Dade Landfill cells 1 and 2 to prevent clogging and to collect the required quantity of groundwater for treatment to include the installation of a series of wells along the east berm
 LOCATION: 24000 SW 97 Ave District Located: 8
 Unincorporated Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Solid Waste System Rev. Bonds Series 2001	477	0	0	0	0	0	0	0	477
Waste Disposal Operating Fund	215	60	228	80	80	80	80	0	823
TOTAL REVENUES:	692	60	228	80	80	80	80	0	1,300
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	527	0	211	76	76	76	76	0	1,042
Planning and Design	137	58	5	0	0	0	0	0	200
Project Contingency	28	2	12	4	4	4	4	0	58
TOTAL EXPENDITURES:	692	60	228	80	80	80	80	0	1,300

WEST/SOUTHWEST TRASH AND RECYCLING CENTER

PROJECT #: 5054051



DESCRIPTION: Construct a new Trash and Recycling Center in an underserved neighborhood of the waste collection service area
 LOCATION: To Be Determined District Located: 11
 Unincorporated Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Collection Operating Fund	284	0	0	0	0	0	0	1,746	2,030
TOTAL REVENUES:	284	0	0	0	0	0	0	1,746	2,030
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	0	0	0	0	0	1,444	1,444
Planning and Design	269	0	0	0	0	0	0	175	444
Project Contingency	15	0	0	0	0	0	0	127	142
TOTAL EXPENDITURES:	284	0	0	0	0	0	0	1,746	2,030

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TRASH AND RECYCLING CENTER IMPROVEMENTS

PROJECT #: 5054061



DESCRIPTION: Construct improvements to the 13 trash and recycling centers to include new entrances, gates, stairs, fencing, storm water systems, and walls

LOCATION: Trash and Recycling Centers
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Collection Operating Fund	1,349	730	971	510	650	650	320	320	5,500
TOTAL REVENUES:	1,349	730	971	510	650	650	320	320	5,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,104	650	651	470	600	600	300	300	4,675
Planning and Design	208	30	197	20	20	15	5	5	500
Project Contingency	37	50	123	20	30	35	15	15	325
TOTAL EXPENDITURES:	1,349	730	971	510	650	650	320	320	5,500

DISPOSAL FACILITIES IMPROVEMENTS

PROJECT #: 5055760



DESCRIPTION: Construct improvements to disposal facilities, including connecting tipping floors and enhancing stormwater systems per Federal Department of Environmental Protection Agency regulations

LOCATION: Disposal Facilities
Various Sites

District Located:
District(s) Served:

Countywide
Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	990	280	330	100	100	100	100	0	2,000
TOTAL REVENUES:	990	280	330	100	100	100	100	0	2,000
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	805	220	268	76	77	78	76	0	1,600
Planning and Design	115	40	22	19	18	17	19	0	250
Project Contingency	70	20	40	5	5	5	5	0	150
TOTAL EXPENDITURES:	990	280	330	100	100	100	100	0	2,000

COLLECTION FACILITY IMPROVEMENTS

PROJECT #: 5056840



DESCRIPTION: Construct collection facility improvements including stormwater, water and sewer systems, and drainage to comply with state and federal Environmental Protection Agency codes and rules

LOCATION: Collection Facilities
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Collection Operating Fund	248	300	832	540	100	100	100	0	2,220
TOTAL REVENUES:	248	300	832	540	100	100	100	0	2,220
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	218	245	672	490	75	75	75	0	1,850
Planning and Design	24	35	81	20	20	20	20	0	220
Project Contingency	6	20	79	30	5	5	5	0	150
TOTAL EXPENDITURES:	248	300	832	540	100	100	100	0	2,220

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NORTH DADE LANDFILL GROUNDWATER REMEDIATION

PROJECT #: 5057380



DESCRIPTION: Construct a ground water remediation system around North Dade Landfill
 LOCATION: 21500 NW 47 Ave
 Unincorporated Miami-Dade County

District Located: 1
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Solid Waste System Rev. Bonds Series	1,480	0	0	0	0	0	0	0	1,480
2005									
Waste Disposal Operating Fund	0	0	0	0	0	0	20	0	20
TOTAL REVENUES:	1,480	0	0	0	0	0	20	0	1,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	57	900	42	42	42	42	128	1,253
Planning and Design	0	35	100	0	0	0	0	10	145
Project Contingency	0	8	50	8	8	8	8	12	102
TOTAL EXPENDITURES:	0	100	1,050	50	50	50	50	150	1,500

CENTRAL TRANSFER STATION COMPACTOR REPLACEMENT

PROJECT #: 5058000



DESCRIPTION: Replace two compactors and push pits at the Central Transfer Station
 LOCATION: 1150 NW 20 St
 City of Miami

District Located: 3
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Solid Waste System Rev. Bonds Series	1,395	0	0	0	0	0	0	0	1,395
2001									
Waste Disposal Operating Fund	2,985	200	320	0	0	0	0	0	3,505
TOTAL REVENUES:	4,380	200	320	0	0	0	0	0	4,900
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,232	155	173	0	0	0	0	0	1,560
Furniture Fixtures and Equipment	2,260	0	100	0	0	0	0	0	2,360
Planning and Design	693	30	27	0	0	0	0	0	750
Project Contingency	195	15	20	0	0	0	0	0	230
TOTAL EXPENDITURES:	4,380	200	320	0	0	0	0	0	4,900

NORTH DADE LANDFILL GAS EXTRACTION SYSTEM - PHASE II

PROJECT #: 50510091



DESCRIPTION: Design and construct an active gas extraction system to the East Cell of the North Dade Landfill including piping and flare retrofit per Federal Department of Environmental Protection regulations
 LOCATION: 21500 NW 47 Ave
 Unincorporated Miami-Dade County

District Located: 1
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Solid Waste System Rev. Bonds Series	783	0	0	0	0	0	0	0	783
2001									
Waste Disposal Operating Fund	193	50	75	110	110	110	110	259	1,017
TOTAL REVENUES:	976	50	75	110	110	110	110	259	1,800
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	773	25	47	85	85	85	85	155	1,340
Planning and Design	72	8	6	5	5	5	5	19	125
Project Contingency	131	17	22	20	20	20	20	85	335
TOTAL EXPENDITURES:	976	50	75	110	110	110	110	259	1,800

FY 2016 - 17 Proposed Budget and Multi-Year Capital Plan

MIAMI GARDEN LANDFILL CLOSURE

PROJECT #: 2000000352



DESCRIPTION: Close five acre Miami Garden's landfill site
 LOCATION: NW 37 Ave and NW 183 St
 Miami Gardens

District Located: 1
 District(s) Served: 1

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Utility Service Fee	0	250	2,550	200	0	0	0	0	3,000
TOTAL REVENUES:	0	250	2,550	200	0	0	0	0	3,000
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	1,650	100	0	0	0	0	1,750
Planning and Design	0	200	150	0	0	0	0	0	350
Project Administration	0	50	750	100	0	0	0	0	900
TOTAL EXPENDITURES:	0	250	2,550	200	0	0	0	0	3,000

OLD SOUTH DADE NEW TRANSFER STATION

PROJECT #: 2000000353



DESCRIPTION: 1000 TPD, Transfer Station on Closed Old South Dade Landfill
 LOCATION: 9350 SW 248 St
 Unincorporated Miami-Dade County

District Located: 8, 9
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Waste Disposal Operating Fund	0	300	1,850	9,600	14,150	100	0	0	26,000
TOTAL REVENUES:	0	300	1,850	9,600	14,150	100	0	0	26,000
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	0	200	8,800	13,700	0	0	0	22,700
Planning and Design	0	300	1,600	400	0	0	0	0	2,300
Project Contingency	0	0	50	400	450	100	0	0	1,000
TOTAL EXPENDITURES:	0	300	1,850	9,600	14,150	100	0	0	26,000

CHEMICAL CONTAINER REPLACEMENT (MOSQUITO CONTROL)

PROJECT #: 2000000564



DESCRIPTION: Replace aging chemical containers
 LOCATION: 8901 NW 58 St
 Unincorporated Miami-Dade County

District Located: 12
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Capital Outlay Reserve	0	300	0	0	0	0	0	0	300
TOTAL REVENUES:	0	300	0	0	0	0	0	0	300
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Major Machinery and Equipment	0	300	0	0	0	0	0	0	300
TOTAL EXPENDITURES:	0	300	0	0	0	0	0	0	300

UNFUNDED CAPITAL PROJECTS

PROJECT NAME	LOCATION	(dollars in thousands) ESTIMATED PROJECT COST
HICKMAN GARAGE REMEDIATION	270 NW 2 St	2,600
MOSQUITO CONTROL BUILDING	8901 NW 58 St	3,000
UNFUNDED TOTAL		5,600

FY 2016-17 Proposed Budget and Multi-Year Capital Plan

Neighborhood Trash and Recycling Centers

1. North Dade 21500 NW 47 Ave
2. Norwood 19901 NW 7 Ave
3. Palm Springs 7870 NW 178 St
4. Golden Glades 140 NW 160 St
5. West Little River 1830 NW 79 St
6. Snapper Creek 2200 NW 117 Ave
7. Sunset Kendall 8000 SW 107 Ave
8. Chapman Field 13600 SW 60 Ave
9. Richmond Heights 14050 Boggs Dr
10. West Perrine 16651 SW 107 Ave
11. Eureka Drive 9401 SW 184 St
12. South Miami Heights 20800 SW 117 Ct
13. Moody Drive 12970 SW 268 St

Resources Recovery Facility

14. Resources Recovery 6990 NW 97 Ave

Landfills

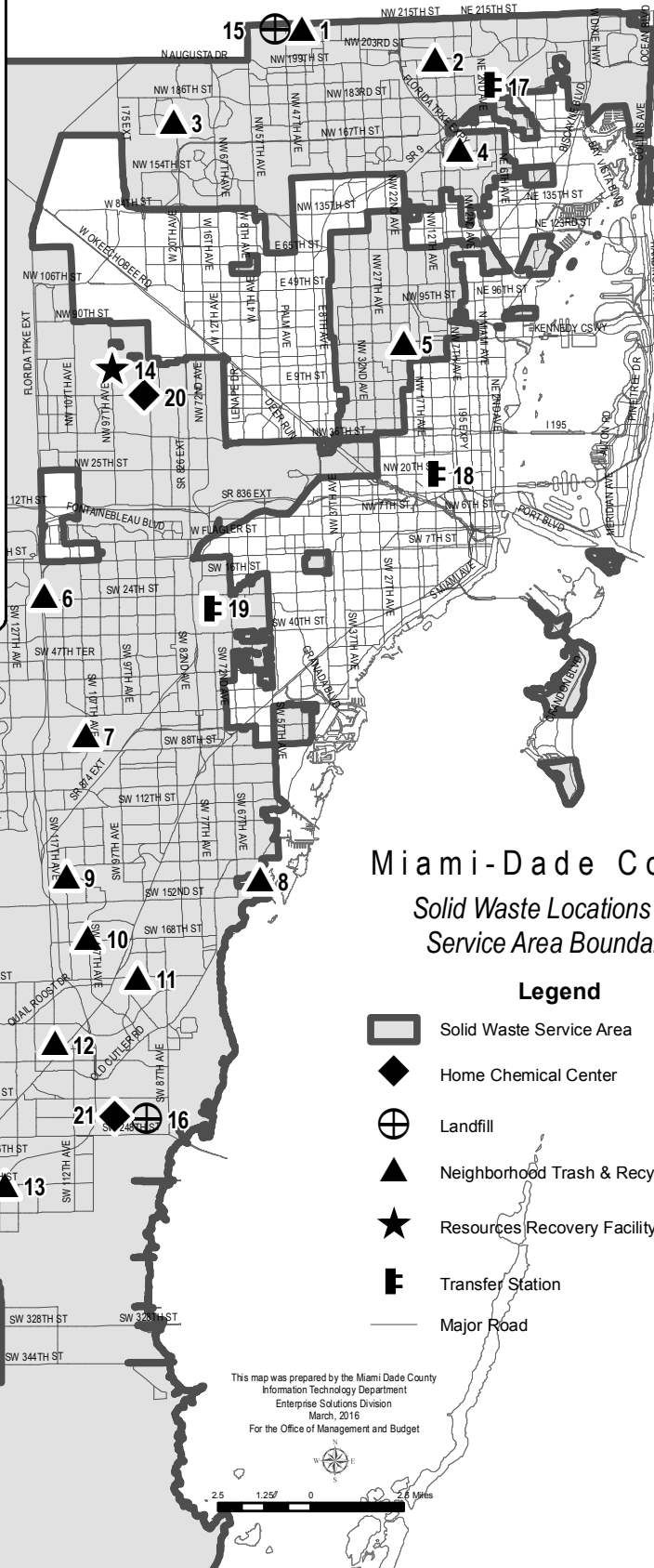
15. North Dade Landfill 21500 NW 47 Ave
16. South Dade Landfill 23707 SW 97 Ave

Transfer Stations

17. Northeast Regional 18701 NE 6 Ave
18. Central 1150 NW 20 St
19. West 2900 SW 72 Ave

Home Chemical Centers

20. North 8801 NW 58 St
21. South 23707 SW 97 Ave



Miami-Dade County Solid Waste Locations and Service Area Boundaries

Legend

- Solid Waste Service Area
- Home Chemical Center
- Landfill
- Neighborhood Trash & Recycling Center
- Resources Recovery Facility
- Transfer Station
- Major Road