

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

Water and Sewer

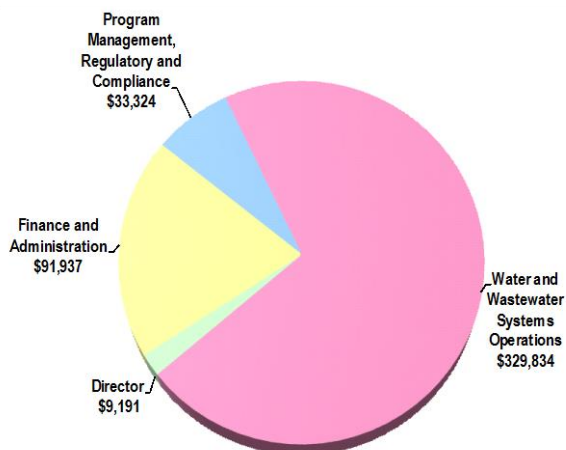
The Miami-Dade Water and Sewer Department (WASD) provides high-quality drinking water and wastewater disposal services, safeguarding public health and the environment, while planning for future growth, implementing water conservation measures, and providing for process improvements and cost efficiencies.

As part of the Neighborhood and Infrastructure strategic area, the Department's main functions are water production and distribution, as well as wastewater collection, treatment, reuse, and disposal. WASD operates three regional and six local water treatment plants, with a total rated capacity of 461 million gallons per day (MGD), and three regional wastewater treatment plants with a total treatment capacity of 375 MGD. Additionally, WASD operates and maintains 95 water supply wells (grouped into 14 wellfields) in the Biscayne Aquifer; five aquifer storage and recovery wells in the Floridan Aquifer; 1,044 sewer pump stations (1,025 County-owned and 19 maintained for other entities); 7,918 miles of water distribution mains; and 6,292 miles of wastewater mains and lateral collection pipes. The Department implements water conservation measures, provides high quality drinking water, and plans and improves infrastructure for future growth.

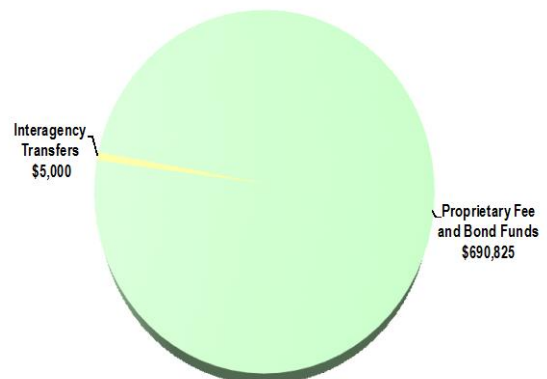
The Department delivers water and sewer services to most residents and businesses within Miami-Dade County, serving approximately 429,000 water and 346,000 wastewater retail customers as of September 30, 2013. Additionally, wholesale water service is provided to 15 municipalities and wholesale sewer service is provided to 13 municipalities within Miami-Dade County. In providing these services, the Department interacts with and is regulated by the United States Environmental Protection Agency, the Florida Department of Environmental Protection, the Miami-Dade County Health Department, the South Florida Water Management District, and the Regulatory and Economic Resources Department (RER).

FY 2014-15 Proposed Budget

Expenditures by Activity
(dollars in thousands)

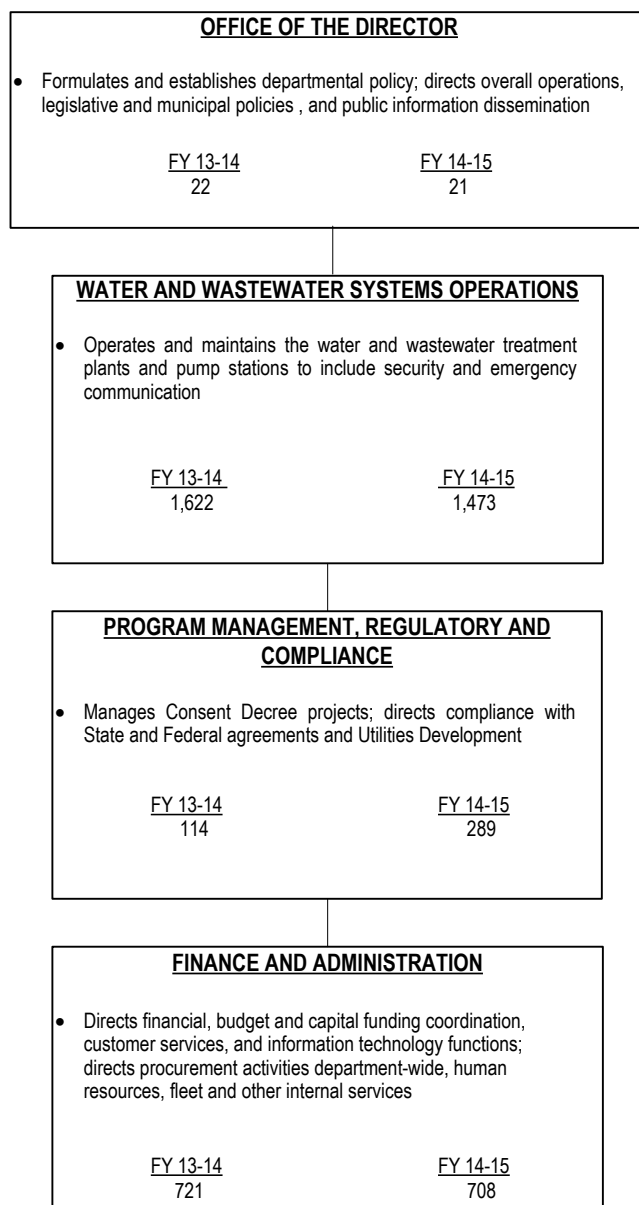


Revenues by Source
(dollars in thousands)



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TABLE OF ORGANIZATION



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FINANCIAL SUMMARY

(dollars in thousands)	Actual FY 11-12	Actual FY 12-13	Budget FY 13-14	Proposed FY 14-15
Revenue Summary				
Miscellaneous Non-Operating	8,136	3,427	3,060	2,027
Other Revenues	24,589	21,876	25,629	26,088
Retail Wastewater	226,370	230,661	241,034	255,004
Retail Water	202,633	207,117	217,030	229,957
Transfer From Other Funds	0	0	7,963	20,764
Wholesale Wastewater	47,380	59,544	53,698	58,601
Wholesale Water	35,330	29,210	32,566	38,954
Carryover	60,652	55,664	57,383	59,430
Loan Repayments	0	0	5,000	5,000
Total Revenues	605,090	607,499	643,363	695,825

Operating Expenditures Summary

Salary	138,669	151,567	137,050	151,132
Fringe Benefits	37,376	38,153	43,240	50,229
Contractual Services	63,981	63,533	70,637	86,036
Other Operating	53,774	45,501	64,751	47,562
Charges for County Services	31,277	41,410	40,900	47,167
Capital	54,772	57,117	72,328	82,160
Total Operating Expenditures	379,849	397,281	428,906	464,286

Non-Operating Expenditures

Summary				
Transfers	20,246	5,801	0	0
Distribution of Funds In Trust	0	0	0	0
Debt Service	149,331	147,034	155,027	167,852
Depreciation, Amortizations and Depletion	0	0	0	0
Reserve	0	0	59,430	63,687
Total Non-Operating Expenditures	169,577	152,835	214,457	231,539

(dollars in thousands)	Total Funding		Total Positions	
Expenditure By Program	Budget FY 13-14	Proposed FY 14-15	Budget FY 13-14	Proposed FY 14-15
Strategic Area: Neighborhood and Infrastructure				
Director	24,439	9,191	22	21
Water and Wastewater	302,810	329,834	1,622	1,473
Systems Operations				
Finance and Administration	74,116	91,937	721	708
Program Management,	27,541	33,324	114	289
Regulatory and Compliance				
Total Operating Expenditures	428,906	464,286	2,479	2,491

SELECTED ITEM HIGHLIGHTS AND DETAILS

Line Item Highlights	(dollars in thousands)				
	Actual FY 11-12	Actual FY 12-13	Budget FY 13-14	Projection FY 13-14	Proposed FY 14-15
Advertising	721	722	802	602	836
Fuel	3,547	3,896	3,602	3,605	4,057
Overtime	9,273	9,307	8,463	10,960	10,264
Rent	351	400	470	449	377
Security Services	11,383	11,797	11,722	11,707	12,220
Temporary Services	451	763	253	711	679
Travel and Registration	113	179	289	201	289
Utilities	0	0	0	0	0

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PROPOSED FEE ADJUSTMENTS FOR SERVICES

Fee Adjustments	Current Fee FY 13-14	Proposed Fee FY 14-15	Dollar Impact FY 14-15
• Copper Tail Piece, 2" Fee	165	180	\$7,500
• Water Meter Installation Fee, 5/8 inch or 3/4 inch meter	135	145	\$20,000
• Water Meter Installation Fee, 1 inch meter	190	195	\$2,500
• Backflow Preventer Test and Certification Fee (for Non-Compliance)	75	250	\$350,000
• Septage Truck Clean-Out Charge	25	50	\$53,725
• Westwood lakes Weed Control Quarterly	6	25	\$12,996
• Payment for Collection of Lead/Copper Water Test at Tap	25	50	\$-2,500
• Plans Review and Inspection Fees; Water Main Extensions Greater than 2,000 feet.; from \$450 to \$350 plus \$0.18 per foot in excess of 2,000 feet.	450	350 plus \$0.18 per ft >2,000 ft	\$7,753
• Plans Review and Inspection Fees; Rework Plans Review Process	107	300	\$7,736
• Plans Review and Inspection Fees; add Turbine and/or Fire Rated Meters	0	150	\$4,200
• Review of Shop drawings; add Turbine and/or Fire Rated Meters	0	100	\$1,400
• Plans Review and Inspections Fees; add after the fact plans review and inspections penalty fee; new fee -100% of original fee	0	100% of Original Fee	\$1,750
• Plans Review and Inspections Fees; add Sewer Meters	0	150	\$1,680
• Review of Shop drawings; add Sewer Meters	0	100	\$560
• Review of Shop drawings; add Pump Station	0	400	\$1,280
• Plat application/review fee	0	100	\$22,000
• Easement consent letter	0	50	\$1,250
• Utilities collection transmission capacity letter	0	50	\$6,400
• Plans Review and inspections fee add for 2nd Rework and thereafter of As-built plans review	0	300	\$24,240
• Verification Form fees; add: Fee for Verification Form issued along with a Water and/or sewer Agreement	0	100	\$5,000

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DIVISION: DIRECTOR

Formulates and establishes departmental policy; directs overall operations, legislative and municipal policies, and public information dissemination.

- Defines department policies and strategic goals
- Provides legal support
- Coordinates communications with media and customers
- Coordinates state and federal legislative actions and liaisons with municipalities
- Coordinates items submitted to the Board of County Commissioners

DIVISION COMMENTS

- The FY 2014-15 Proposed Budget includes payments to the Audit and Management Services Department for expenses associated with audits and reviews (\$440,000)
- In FY 2014-15, the retail water and wastewater rates are proposed to increase by six percent; the bill of the average retail water and sewer customer (6,750 gallons per month) will increase from \$45.39 to \$48.11 or by \$2.72 per month; future adjustments will be needed based on debt service obligations and operating requirements
- Effective October 1, 2014, the wholesale water rate per thousand gallons is proposed to increase from \$1.7142 to \$1.7816 or by \$0.0674, and in addition the sewer wholesale rate is proposed to increase from \$2.4523 to \$2.56 or by \$0.1077; wholesale customers' bills include a true-up adjustment to recover actual cost for FY 2012-13
- The FY 2014-15 Proposed Budget includes a Memorandum of Understanding agreement with the Office of the Inspector General to perform specialized audits as required (\$100,000)
- The FY 2014-15 Proposed Budget includes funding to the Miami-Dade Fire Rescue Department (MDFR) for fire hydrant maintenance (\$1 million)
- The FY 2014-15, Proposed Budget includes funding to the Office of Management and Budget (OMB) for consulting services to fund organizational reviews/studies (\$230,000)
- The FY 2014-15 Proposed Budget includes a loan repayment from the General Fund (\$5 million) for the third consecutive year

DIVISION: WATER AND WASTEWATER SYSTEMS OPERATIONS

Operates and maintains the water and wastewater treatment plants and pump stations; to include security and emergency communication

- Directs water and wastewater systems operating goals and procedures
- Directs and oversees operation of water system including installations, repairs and maintenance of water infrastructure
- Directs and oversees operation of wastewater system including treatment and disposal as well as the maintenance of wastewater pumping and collection systems
- Installs, repairs, relocates, maintains and replaces water mains, valves, fire lines and water meters countywide
- Installs, repairs, relocates, maintains and replaces wastewater gravity sewer lines, force mains, valves, sewer laterals, and manholes countywide
- Performs mechanical, electrical, and structural maintenance of water and wastewater plants and wastewater lift stations
- Administers the SCADA system, telemetry and radios
- Provides Water Cross County Control Program
- Provides laboratory analysis to comply with regulatory agencies requirements

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Strategic Objectives - Measures								
<ul style="list-style-type: none"> NI2-1: Provide adequate potable water supply and wastewater disposal 								
Objectives	Measures			FY 11-12	FY 12-13	FY 13-14	FY 13-14	FY 14-15
				Actual	Actual	Budget	Projection	Target
Ensure compliance with 20-year Water Use Permit with the South Florida Water Management District	Percentage compliance with wastewater effluent limits	OC	↑	83%	90%	100%	90%	100%
	Estimated gallons of water saved per day (GPD) through the Water Use Efficiency Program (in thousands)	OC	↑	1,936	1,124	1,124	1,124	1,124
	Percentage compliance with drinking water standards	OC	↑	100%	100%	100%	100%	100%
Fully comply with drinking water standards	Wastewater mainline valves exercised	OP	↑	6,229	6,022	6,000	6,087	6,087
Reduce response time to sanitary sewer overflows	Average time to respond to sewage overflows (in minutes)	EF	↓	52	52	55	55	60
	Percentage of non-emergency requests dispatched in less than three business days	OC	↑	98%	99%	98%	98%	98%
Ensure proper maintenance and operation of the sewage system	Percentage of pumps in service	EF	↑	98%	98%	99%	99%	99%

DIVISION: FINANCE AND ADMINISTRATION

Directs financial, budget and capital funding coordination, customer services, and information technology functions; Directs procurement, activities department-wide, human resources, fleet and other internal services

- Coordinates financial activities including debt administration, investments, grants and cash management
- Administers Controller's functions, general ledger, assets control and accounts payable, prepares retail, wholesale and special billings and collection
- Manages the Department's operating and capital budgets
- Manages Human Capital Planning and procurement
- Manages business process support for Customer, Care and Billing, Enterprise Resource Planning Financial and Enterprise Asset Management software systems
- Manages general maintenance services

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Strategic Objectives - Measures								
<ul style="list-style-type: none"> GG1-1: Provide easy access to information and services 								
Objectives	Measures			FY 11-12	FY 12-13	FY 13-14	FY 13-14	FY 14-15
				Actual	Actual	Budget	Projection	Target
Provide information to customers in a timely manner	Average call wait time (in minutes)*	EF	↓	14	4	4	6	3
	Percentage of calls answered within two minutes (monthly)*	OP	↑	16%	80%	80%	60%	80%
<p>*In FY 12-13 and 13-14, performance was not met due to a high part-time employee attrition rate and implementation of a new billing system. In FY 14-15, performance is expected to increase due to new performance standards, specialized training, and hiring of additional full-time positions.</p>								
<ul style="list-style-type: none"> GG2-2: Develop and retain excellent employees and leaders 								
Objectives	Measures			FY 11-12	FY 12-13	FY 13-14	FY 13-14	FY 14-15
				Actual	Actual	Budget	Projection	Target
Workforce skills to support County priorities	Training hours per employee	OP	↑	12	8	9	10	11
<ul style="list-style-type: none"> GG4-1: Provide sound financial and risk management 								
Objectives	Measures			FY 11-12	FY 12-13	FY 13-14	FY 13-14	FY 14-15
				Actual	Actual	Budget	Projection	Target
Ensure sound asset management and financial investment strategies	Bond rating evaluation by Fitch	OC	↑	AA-	AA-	A+	A+	A+
	Bond rating evaluation by Standard and Poor's	OC	↑	A+	A+	A+	A+	A+
	Bond rating evaluation by Moody's	OC	↑	A1	A1	Aa3	Aa3	A1

DIVISION COMMENTS

- The FY 2014-15 Proposed Budget includes payments to the Finance Department for expenses associated with cash management services (\$50,000)
- The FY 2014-15 Proposed Budget includes payments to the Finance Department for expenses associated with credit and collection services (payments are based on a percentage of collected revenue)
- The FY 2014-15 Proposed Budget includes 12 additional full-time Customer Service Representative positions that were converted from part-time to full-time positions in FY 2013-14 to help meet the demands of customers and improve call-wait time
- The FY 2013-14 year end combined fund balance is projected to be \$69.6 million in rate stabilization and general reserve funds and is projected to be a combined balance of \$48.9 million for FY 2014-15; the Department will have a year-end fund balance of \$63.7 million in the operating budget as required for bond ordinances

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DIVISION: PROGRAM MANAGEMENT, REGULATORY AND COMPLIANCE

Manages Consent Decree projects; directs compliance with State and Federal agreements and Utilities Development.

- Directs planning of water and wastewater facilities and infrastructure
- Directs design and construction activities for both the water and wastewater systems
- Oversees environmental regulations and compliance with federal and state agreements
- Directs Water Use Efficiency and Water Loss Reduction Programs
- Processes applications for new water services, mains, pump stations and fire hydrant installations by private contractors
- Oversees contract compliance, provides strategic planning, directs performance improvement and efficiency savings programs

Strategic Objectives - Measures

- NI2-1: Provide adequate potable water supply and wastewater disposal

Objectives	Measures			FY 11-12	FY 12-13	FY 13-14	FY 13-14	FY 14-15
				Actual	Actual	Budget	Projection	Target
Ensure compliance with 20-year Water Use Permit with the South Florida Water Management District	Percentage of Consent Decree Wastewater Projects on Schedule	OP	↑	N/A	N/A	100%	100%	100%
	Percent compliance with 20-Year Water Use Permit (WUP) as scheduled	OC	↑	100%	100%	95%	100%	95%
Ensure compliance with Comprehensive Development of Master Plan	Percentage of Comprehensive Development Master Plan comments submitted timely	EF	↑	100%	100%	90%	100%	95%
	Percentage of Development Impact Committee comments provided timely	EF	↑	100%	100%	90%	100%	95%

DIVISION COMMENTS

- ☛ In FY 2014-15, the Department will continue a program to reduce energy consumption encompassing facilities lighting and controls, operational equipment energy consumption, the implementation of the Energy Star Power plan, and of an employee awareness program, which includes an energy conservation website, newsletter, and workshops
- The FY 2014-15 Proposed Budget includes funding for the Regulatory and Economic Resources Department (RER) to fund the Florida Yards and Neighborhoods Program (\$261,000)

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Department Operational Unmet Needs

Description	(dollars in thousands)		Positions
	Startup Costs/ Non Recurring Costs	Recurring Costs	
Fund one positions in the Information Technology Division to maintain the approximately 600 mobile devices (EAMS & MWM/CCB deployments) and maintain the NetMotion VPN Clients - Start date July 2015	\$0	\$33	1
Fund five positions in the Priority Capital Projects Section to direct and supervise the design and construction work flow for capital improvements -Start date January 2015	\$0	\$187	5
Fund one position in the Planning Division to maintain and update hydraulic computer modeling inventory of water transmission & distribution system and perform other activities to ensure adequate water supply and compliance - Start date January 2015	\$0	\$49	1
Fund two positions in the Meter Installations and Maintenance Division to support sidewalk restoration and water meter repairs -Start date July 2015	\$0	\$53	2
Fund 12 positions in the Water Transmission and Distribution Division to meet increase permit and restoration requirements-Start date July 2015	\$0	\$271	12
Fund six positions in the Water Production and Maintenance Division to maintain and restore the structures and equipment at the Water Treatment Plants and to support Infared and Motor circuit evaluators- Start date for January 2015 (two positions) and April 2015 (four positions)	\$0	\$215	6
Fund eight positions in the Pump Station Division to support the wetwell cleaning operations and other related Pump Station activities-Start date for January 2015 (two positions) and July 2015 (six positions)	\$0	\$249	8
Fund nine positions in the Wastewater Collection and Transm Division to support the Pump Station Improvement Program- Start date for January 2015 (one position) and April 2015 (eight positions)	\$0	\$199	9
Fund 31 positions in the Wastewater Treatment and Maintenance Division to provide adequate mechanical staff and perform other related activities- Start date for January 2015 (30 positions) and July 2015 (one positions)	\$0	\$1,562	31
Fund two positions in the Telemetry Section for support of Second and Final Consent Decree Article - Start date for April 2015 (one position)and July 2015 (one position)	\$0	\$46	2
Fund one positions in the Regulatory Comp & Monitoring Division to comply and monitor various projects in the Asbestos Program- Start date July 2015	\$0	\$15	1
Fund one position in the AD Reg Compliance and Planning Division to manage the implementation of the energy efficiency projects- Start date for January 2015	\$0	\$23	1
Fund one position in the Support Services Section to provide full-time production support and coverage to the operation- Start date for July 2015	\$0	\$10	1
Fund two positions in the Human Resources Division to provide oversight and support of the recruitment process and Training Unit- Start date for July 2015	\$0	\$52	2
Fund two positions in the Contract Processing Section to ensure compliance with Consent Decree agreements and construction contracts- Start date for April 2015 (one position) and July 2015 (one position)	\$0	\$56	2
Fund two positions in the Budget, Funding, & Strategic Planning Division to manage reconciliation of personnel and comply with financial reporting needs for the Office of the Mayor and County Commissioners - Start date for July 2015	\$0	\$43	2
Fund one position in the Security Section in monitoring devices to comply with Dept Homeland Security (DHS) guidelines for comprehensive electronic security protection- Start date for July 2015	\$0	\$18	1
Total	\$0	\$3,081	87

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CAPITAL BUDGET SUMMARY

(dollars in thousands)	PRIOR	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FUTURE	TOTAL
Revenue									
EPA Grant	3,880	0	0	0	0	0	0	0	3,880
Rock Mining Mitigation Fees	14,501	0	0	0	0	0	0	0	14,501
Wastewater Connection Charges	118,544	14,287	0	0	0	0	0	0	132,831
Water Connection Charges	28,898	4,000	4,000	4,000	4,000	4,000	0	0	48,898
Fire Hydrant Fund	29,526	2,000	2,500	2,500	2,500	2,500	3,000	6,130	50,656
HLD Special Construction Fund	34,861	0	0	0	0	0	0	0	34,861
Miami Springs Wastewater Construction Fund	1,326	0	0	0	0	0	0	0	1,326
Miami Springs Water Construction Fund	687	0	0	0	0	0	0	0	687
Wastewater Renewal Fund	323,067	40,000	40,189	40,000	40,000	40,000	40,000	162,500	725,756
Wastewater Special Construction Fund	6,431	300	400	500	500	500	500	0	9,131
Water Construction Fund	2,338	0	0	0	0	0	0	0	2,338
Water Renewal and Replacement Fund	325,409	40,000	40,000	40,000	40,001	40,000	40,000	1,692,500	2,257,910
Water Special Construction Fund	6,610	1,000	1,000	1,000	1,000	2,000	2,000	0	14,610
BBC GOB Financing	0	8,786	12,424	18,389	40,696	44,527	38,212	0	163,034
BBC GOB Series 2005A	5,176	0	0	0	0	0	0	0	5,176
BBC GOB Series 2008B	2,952	0	0	0	0	0	0	0	2,952
BBC GOB Series 2008B-1	7,926	0	0	0	0	0	0	0	7,926
BBC GOB Series 2011A	6,581	0	0	0	0	0	0	0	6,581
BBC GOB Series 2013A	2,168	0	0	0	0	0	0	0	2,168
BBC GOB Series 2014A	4,274	0	0	0	0	0	0	0	4,274
Future WASD Revenue Bonds	0	0	493,741	761,676	864,487	957,473	1,043,125	5,060,529	9,181,031
Hialeah Reverse Osmosis Plant Construction Fund	44,757	0	0	0	0	0	0	0	44,757
WASD Revenue Bonds Sold	341,595	0	0	0	0	0	0	0	341,595
WASD Future Funding	0	0	0	0	0	0	0	489,553	489,553
Total:	1,311,507	110,373	594,254	868,065	993,184	1,091,000	1,166,837	7,411,212	13,546,432
Expenditures									
Strategic Area: Neighborhood and Infrastructure									
GOB Water and Wastewater Projects	32,957	8,786	12,424	18,389	40,696	44,527	38,212	0	195,991
Wastewater Projects	522,597	182,842	408,962	629,136	574,431	674,653	837,411	5,555,728	9,385,760
Water Projects	470,285	113,876	206,049	244,232	397,218	383,103	293,064	1,856,854	3,964,681
Total:	1,025,839	305,504	627,435	891,757	1,012,345	1,102,283	1,168,687	7,412,582	13,546,432

CAPITAL HIGHLIGHTS AND OPERATIONAL IMPACTS

- In FY 2012-13, the Department negotiated a consent agreement with the Federal Environmental Protection Agency (EPA) to address regulatory violations resulting from failing wastewater infrastructure for approximately \$1.6 billion; the agreement was adopted by the BCC on May 21, 2013; On April 9, 2014, the U.S. District Court for the Southern District approved the Consent Decree, replacing and superseding the two existing consent decrees issued in the early-mid 1990's; all projects are currently included in the capital plan, but as projects advance, schedules for completion may need to be modified, with the approval of the EPA; increased debt requirements will lead to future rate adjustments
- In FY 2014-15, the Department will continue implementation of water system capital projects (\$113.876 million in FY 2014-15, \$3.9658 billion all years); major water system projects include but are not limited to Central Miami-Dade Water Transmission Mains Improvements, Water Distribution System Extension Enhancements, South Miami Heights Water Treatment Plant and Wellfield, Water Treatment Plant - Floridian Reverse Osmosis, Water System Maintenance and Upgrades, and Safe Drinking Water Act Modifications
- In FY 2014-15, the Department will continue implementation of wastewater system capital projects (\$182.842 million in FY 2014-15, \$9.386 billion all years); major wastewater system projects include but are not limited to Consent Decree Projects for Wastewater Treatment Plants, Wastewater Collection and Transmission Lines, Sewer Pump Station Systems, Outfall Legislation, Pump Station Generators and Miscellaneous Upgrades, South District Wastewater Treatment Plant-High Level Disinfection, Peak Flow Management Facilities, Wastewater System Maintenance and Upgrades, North District Wastewater Treatment Plant, Central Miami-Dade Wastewater Transmission Mains and Pump

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Stations Improvements, and Central District Wastewater Treatment Plant, Pump Station Improvements Program

- The FY 2014-15 Proposed Budget and Multi-Year Capital Plan includes \$80 million in the Renewal and Replacement fund for an enhanced program to expedite repairs, replacements, and rehabilitation of pipe infrastructure and plant facilities
- In FY 2012-13, legislation modifying the State Ocean Outfall Statute was signed into law by the Governor of Florida that provides additional flexibility for the Department to manage peak flows and to fulfill all wastewater reuse requirements in the statute; these changes save the Department approximately \$1 billion in project costs, which is budgeted at \$3.4 billion through 2025

FUNDED CAPITAL PROJECTS

(dollars in thousands)

OUTFALL LEGISLATION

PROJECT #: 962670

DESCRIPTION: Elimination of outfall flows to the ocean

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	20,000	0	0	0	0	0	0	0	20,000
Future WASD Revenue Bonds	0	0	16,911	54,112	79,799	151,324	161,387	2,927,420	3,390,953
WASD Revenue Bonds Sold	1,188	0	0	0	0	0	0	0	1,188
TOTAL REVENUES:	21,188	0	16,911	54,112	79,799	151,324	161,387	2,927,420	3,412,141
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	50	2,069	1,691	5,411	7,980	15,132	16,139	292,742	341,214
Construction	450	18,619	15,220	48,701	71,819	136,192	145,248	2,634,678	3,070,927
TOTAL EXPENDITURES:	500	20,688	16,911	54,112	79,799	151,324	161,387	2,927,420	3,412,141

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$270,000

SYSTEM IMPROVEMENTS PROJECT - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 962830

DESCRIPTION: Replace undersized water mains and install new fire hydrants

LOCATION: Various Sites
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
BBC GOB Financing	0	1,256	1,920	2,129	0	527	2,212	0	8,044
BBC GOB Series 2005A	709	0	0	0	0	0	0	0	709
BBC GOB Series 2008B	1,018	0	0	0	0	0	0	0	1,018
BBC GOB Series 2008B-1	2,222	0	0	0	0	0	0	0	2,222
BBC GOB Series 2011A	2,598	0	0	0	0	0	0	0	2,598
BBC GOB Series 2013A	221	0	0	0	0	0	0	0	221
BBC GOB Series 2014A	1,842	0	0	0	0	0	0	0	1,842
TOTAL REVENUES:	8,610	1,256	1,920	2,129	0	527	2,212	0	16,654
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	1,338	46	0	0	0	0	0	0	1,384
Construction	7,222	1,110	1,870	2,079	0	527	2,212	0	15,020
Project Administration	50	100	50	50	0	0	0	0	250
TOTAL EXPENDITURES:	8,610	1,256	1,920	2,129	0	527	2,212	0	16,654

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

AUTOMATION OF WATER TREATMENT PLANTS

PROJECT #: 963110

DESCRIPTION: Construct facilities and install equipment to automate functions at water treatment plants
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Connection Charges	1,227	0	0	0	0	0	0	0	1,227
Future WASD Revenue Bonds	0	0	852	0	0	0	0	0	852
WASD Revenue Bonds Sold	1,500	0	0	0	0	0	0	0	1,500
TOTAL REVENUES:	2,727	0	852	0	0	0	0	0	3,579
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Construction	1,977	750	852	0	0	0	0	0	3,579
TOTAL EXPENDITURES:	1,977	750	852	0	0	0	0	0	3,579

WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS

PROJECT #: 964120

DESCRIPTION: Design, construct, and rehabilitate infrastructure at wastewater treatment plants to comply with EPA Consent Decree

LOCATION: Various Sites
 Throughout Miami-Dade County

District Located: Countywide
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	58,235	143,028	112,073	131,642	168,945	381,010	994,933
WASD Revenue Bonds Sold	31,834	0	0	0	0	0	0	0	31,834
TOTAL REVENUES:	31,834	0	58,235	143,028	112,073	131,642	168,945	381,010	1,026,767
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	2,349	834	5,823	14,303	11,207	13,164	16,894	38,102	102,676
Construction	21,139	7,512	52,412	128,725	100,866	118,478	152,051	342,908	924,091
TOTAL EXPENDITURES:	23,488	8,346	58,235	143,028	112,073	131,642	168,945	381,010	1,026,767

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$50,000,000

NEEDS ASSESSMENTS PROJECTS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 964350

DESCRIPTION: Construction of water and sewer enhancements including water mains, pipelines and sewer collection systems
 LOCATION: Various Sites
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
BBC GOB Financing	0	4,064	4,959	5,599	0	0	0	0	14,622
BBC GOB Series 2005A	1,686	0	0	0	0	0	0	0	1,686
BBC GOB Series 2008B	1,504	0	0	0	0	0	0	0	1,504
BBC GOB Series 2008B-1	2,288	0	0	0	0	0	0	0	2,288
BBC GOB Series 2013A	25	0	0	0	0	0	0	0	25
BBC GOB Series 2014A	419	0	0	0	0	0	0	0	419
TOTAL REVENUES:	5,922	4,064	4,959	5,599	0	0	0	0	20,544
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Land/Building Acquisition	200	64	0	0	0	0	0	0	264
Planning and Design	2,083	260	13	0	0	0	0	0	2,356
Construction	3,639	3,666	4,946	5,599	0	0	0	0	17,850
Project Administration	0	74	0	0	0	0	0	0	74
TOTAL EXPENDITURES:	5,922	4,064	4,959	5,599	0	0	0	0	20,544

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SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS

PROJECT #: 964440

DESCRIPTION: Design, construct, and rehabilitate pump stations infrastructure systems to comply with EPA Consent Decree
 LOCATION: Various Sites District Located: Countywide
 Throughout Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	1,202	0	0	0	0	0	0	0	1,202
Future WASD Revenue Bonds	0	0	21,481	32,716	31,076	6,057	0	0	91,330
WASD Revenue Bonds Sold	14,236	0	0	0	0	0	0	0	14,236
TOTAL REVENUES:	15,438	0	21,481	32,716	31,076	6,057	0	0	106,768
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	973	571	2,148	3,272	3,108	606	0	0	10,678
Construction	8,757	5,137	19,333	29,444	27,968	5,451	0	0	96,090
TOTAL EXPENDITURES:	9,730	5,708	21,481	32,716	31,076	6,057	0	0	106,768

Estimated Annual Operating Impact will begin in FY 2019-20 in the amount of \$1,200,000

MIAMI SPRINGS CONSTRUCTION FUND - WATER

PROJECT #: 965450

DESCRIPTION: Repair and or replacement water transmission pipes in Miami Springs
 LOCATION: Miami Springs District Located: 6
 Miami Springs District(s) Served: 6

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Miami Springs Water Construction Fund	687	0	0	0	0	0	0	0	687
TOTAL REVENUES:	687	0	0	0	0	0	0	0	687
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	65	3	0	0	0	0	0	0	68
Construction	588	31	0	0	0	0	0	0	619
TOTAL EXPENDITURES:	653	34	0	0	0	0	0	0	687

NW 37 AVE INDUSTRIAL DEVELOPMENT AREA - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 965520

DESCRIPTION: Replace water and sewer mains in the NW 37 Ave Industrial Development Area
 LOCATION: NW 37 Ave and NW 36 St District Located: 2
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
BBC GOB Financing	0	1,000	2,740	4,061	1,696	0	0	0	9,497
BBC GOB Series 2005A	4	0	0	0	0	0	0	0	4
BBC GOB Series 2008B	430	0	0	0	0	0	0	0	430
BBC GOB Series 2008B-1	190	0	0	0	0	0	0	0	190
BBC GOB Series 2014A	100	0	0	0	0	0	0	0	100
TOTAL REVENUES:	724	1,000	2,740	4,061	1,696	0	0	0	10,221
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	620	0	0	0	0	0	0	0	620
Construction	104	1,000	2,740	4,061	1,696	0	0	0	9,601
TOTAL EXPENDITURES:	724	1,000	2,740	4,061	1,696	0	0	0	10,221

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WASTEWATER TREATMENT PLANTS EFFLUENT REUSE

PROJECT #: 965630



DESCRIPTION: Plan and construct facilities for an effluent reuse system at wastewater treatment plants
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASH Revenue Bonds	0	0	0	0	0	0	0	95,000	95,000
TOTAL REVENUES:	0	0	0	0	0	0	0	95,000	95,000
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	0	0	0	0	0	0	0	8,550	8,550
Construction	0	0	0	0	0	0	0	86,450	86,450
TOTAL EXPENDITURES:	0	0	0	0	0	0	0	95,000	95,000

SYSTEM ENHANCEMENTS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 966370



DESCRIPTION: Replace and install new pipelines in areas requiring service improvements
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
BBC GOB Financing	0	400	800	600	0	0	0	0	1,800
BBC GOB Series 2005A	2,639	0	0	0	0	0	0	0	2,639
BBC GOB Series 2008B-1	50	0	0	0	0	0	0	0	50
BBC GOB Series 2011A	1,723	0	0	0	0	0	0	0	1,723
BBC GOB Series 2014A	500	0	0	0	0	0	0	0	500
TOTAL REVENUES:	4,912	400	800	600	0	0	0	0	6,712
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	198	0	0	0	0	0	0	0	198
Construction	4,714	400	800	600	0	0	0	0	6,514
TOTAL EXPENDITURES:	4,912	400	800	600	0	0	0	0	6,712

WATER TREATMENT PLANT - FLORIDIAN REVERSE OSMOSIS

PROJECT #: 966620



DESCRIPTION: Construct a 10-million gallons per day (MGD) Reverse Osmosis Treatment Plant using Upper Floridian Aquifer to serve the City of Hialeah's service areas; total cost of \$160 million, includes contribution and expenditures of \$80 million from City of Hialeah
 LOCATION: 700 W 2 Ave
 Hialeah

District Located: 6
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Connection Charges	852	0	0	0	0	0	0	0	852
Future WASH Revenue Bonds	0	0	0	0	0	0	0	18,915	18,915
Hialeah Reverse Osmosis Plant Construction Fund	44,757	0	0	0	0	0	0	0	44,757
TOTAL REVENUES:	45,609	0	0	0	0	0	0	18,915	64,524
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	1,369	0	0	0	0	0	0	567	1,936
Construction	44,240	0	0	0	0	0	0	18,348	62,588
TOTAL EXPENDITURES:	45,609	0	0	0	0	0	0	18,915	64,524

Estimated Annual Operating Impact will begin in FY 2013-14 in the amount of \$6,000,000

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

EXTENSION OF SEWER SYSTEM TO COMMERCIAL AND INDUSTRIAL CORRIDORS OF THE COUNTY AS PER BCC RESOLUTION R-537-14 - BUILDING BETTER COMMUNITIES BOND PROGRAM

PROJECT #: 967090



DESCRIPTION: Extend sewer service to developed commercial and industrial corridors in Miami-Dade County
 LOCATION: Various Sites
 Throughout Miami-Dade County

District Located: Countywide
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
BBC GOB Financing	0	0	1,000	6,000	39,000	44,000	36,000	0	126,000
TOTAL REVENUES:	0	0	1,000	6,000	39,000	44,000	36,000	0	126,000
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	0	0	1,000	6,000	0	0	0	0	7,000
Construction	0	0	0	0	39,000	44,000	36,000	0	119,000
TOTAL EXPENDITURES:	0	0	1,000	6,000	39,000	44,000	36,000	0	126,000

WATER PIPES AND INFRASTRUCTURE PROJECTS

PROJECT #: 967190



DESCRIPTION: Replace pipe and construct infrastructure repairs
 LOCATION: Countywide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Renewal and Replacement Fund	45,024	0	6,837	6,202	5,548	4,874	4,180	0	72,665
WASD Revenue Bonds Sold	10,943	0	0	0	0	0	0	0	10,943
TOTAL REVENUES:	55,967	0	6,837	6,202	5,548	4,874	4,180	0	83,608
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	1,597	320	596	248	222	195	167	0	3,345
Construction	38,301	7,680	14,310	5,954	5,326	4,679	4,013	0	80,263
TOTAL EXPENDITURES:	39,898	8,000	14,906	6,202	5,548	4,874	4,180	0	83,608

UPGRADE OF MIAMI SPRINGS PUMP STATIONS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 967730



DESCRIPTION: Upgrade electrical control panels, pumps and proprietary SCADA system
 LOCATION: Various Sites
 Various Sites

District Located: 6
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
BBC GOB Financing	0	200	71	0	0	0	0	0	271
BBC GOB Series 2008B-1	559	0	0	0	0	0	0	0	559
BBC GOB Series 2011A	8	0	0	0	0	0	0	0	8
TOTAL REVENUES:	567	200	71	0	0	0	0	0	838
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Construction	567	200	71	0	0	0	0	0	838
TOTAL EXPENDITURES:	567	200	71	0	0	0	0	0	838

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WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT

PROJECT #: 968090

DESCRIPTION: Installing new sewer service to commercial properties which are on septic. Project consists of various line sizes and pump stations.
 LOCATION: Various Sites District Located: N/A
 Throughout Miami-Dade County District(s) Served: N/A

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	14,401	14,796	42,029	68,182	62,956	71,237	273,601
TOTAL REVENUES:	0	0	14,401	14,796	42,029	68,182	62,956	71,237	273,601
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	0	0	1,440	1,480	4,203	6,818	6,296	7,124	27,361
Construction	0	0	12,961	13,316	37,826	61,364	56,660	64,113	246,240
TOTAL EXPENDITURES:	0	0	14,401	14,796	42,029	68,182	62,956	71,237	273,601

WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT

PROJECT #: 968150

DESCRIPTION: Design, construct, and rehabilitate collection and transmission infrastructure lines to comply with EPA Consent Decree
 LOCATION: Various Sites District Located: Countywide
 Throughout Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	13,469	9,329	0	0	0	0	0	0	22,798
Wastewater Renewal Fund	2,621	537	189	0	0	0	0	0	3,347
Future WASD Revenue Bonds	0	0	78,175	104,102	36,557	25,786	10,100	75,074	329,794
WASD Revenue Bonds Sold	35,042	0	0	0	0	0	0	0	35,042
TOTAL REVENUES:	51,132	9,866	78,364	104,102	36,557	25,786	10,100	75,074	390,981
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	3,368	2,016	8,552	10,410	3,656	2,579	1,010	7,507	39,098
Construction	30,312	18,147	76,967	93,692	32,901	23,207	9,090	67,567	351,883
TOTAL EXPENDITURES:	33,680	20,163	85,519	104,102	36,557	25,786	10,100	75,074	390,981

WASTEWATER PIPES AND INFRASTRUCTURE PROJECTS

PROJECT #: 968750

DESCRIPTION: Replace and install new pipelines in areas requiring service improvements
 LOCATION: Various Sites District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	24,874	0	6,811	6,326	5,826	5,310	4,780	0	53,927
WASD Revenue Bonds Sold	1,580	0	0	0	0	0	0	0	1,580
TOTAL REVENUES:	26,454	0	6,811	6,326	5,826	5,310	4,780	0	55,507
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	3,753	480	1,090	1,012	932	850	765	0	8,882
Construction	19,701	2,520	5,721	5,314	4,894	4,460	4,015	0	46,625
TOTAL EXPENDITURES:	23,454	3,000	6,811	6,326	5,826	5,310	4,780	0	55,507

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MIAMI SPRINGS CONSTRUCTION FUND - WASTEWATER

PROJECT #: 969110



DESCRIPTION: Construct wastewater collection system improvements in Miami Springs

LOCATION: Miami Springs
Miami Springs

District Located: 6
District(s) Served: 6

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Miami Springs Wastewater Construction Fund	1,326	0	0	0	0	0	0	0	1,326
TOTAL REVENUES:	1,326	0	0	0	0	0	0	0	1,326
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	98	10	20	4	0	0	0	0	132
Construction	884	90	180	40	0	0	0	0	1,194
TOTAL EXPENDITURES:	982	100	200	44	0	0	0	0	1,326

PERRINE / CUTLER IMPROVEMENTS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 969830



DESCRIPTION: Construct water and sewer improvements including gravity sewers, force mains, and pump stations

LOCATION: Various Sites
Various Sites

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

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
EPA Grant	3,880	0	0	0	0	0	0	0	3,880
BBC GOB Financing	0	1,866	934	0	0	0	0	0	2,800
BBC GOB Series 2005A	138	0	0	0	0	0	0	0	138
BBC GOB Series 2008B-1	2,617	0	0	0	0	0	0	0	2,617
BBC GOB Series 2011A	2,252	0	0	0	0	0	0	0	2,252
BBC GOB Series 2013A	1,922	0	0	0	0	0	0	0	1,922
BBC GOB Series 2014A	1,413	0	0	0	0	0	0	0	1,413
TOTAL REVENUES:	12,222	1,866	934	0	0	0	0	0	15,022
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Land/Building Acquisition	95	0	0	0	0	0	0	0	95
Planning and Design	2,046	0	0	0	0	0	0	0	2,046
Construction	10,081	1,866	934	0	0	0	0	0	12,881
TOTAL EXPENDITURES:	12,222	1,866	934	0	0	0	0	0	15,022

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WATER TREATMENT PLANTS MISCELLANEOUS UPGRADES

PROJECT #: 9610960



DESCRIPTION: Upgrade water treatment plants to meet regulatory requirements

LOCATION: Water Treatment Plants

Various Sites

District Located:

Systemwide

District(s) Served:

Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Construction Fund	344	0	0	0	0	0	0	0	344
Water Renewal and Replacement Fund	10	0	0	0	0	0	0	0	10
Future WASD Revenue Bonds	0	0	6,010	5,000	1,510	0	0	0	12,520
WASD Revenue Bonds Sold	14,482	0	0	0	0	0	0	0	14,482
TOTAL REVENUES:	14,836	0	6,010	5,000	1,510	0	0	0	27,356
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	1,380	696	841	700	211	0	0	0	3,828
Construction	6,510	3,282	3,967	3,300	997	0	0	0	18,056
Equipment Acquisition	1,973	995	1,202	1,000	302	0	0	0	5,472
TOTAL EXPENDITURES:	9,863	4,973	6,010	5,000	1,510	0	0	0	27,356

SOUTH MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS

PROJECT #: 9650021



DESCRIPTION: Construct various water transmission mains to serve south Miami-Dade County after the new South Miami Heights water treatment plant is in service

LOCATION: South Miami-Dade County

Various Sites

District Located:

Systemwide

District(s) Served:

Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	465	793	3,409	5,205	9,872
WASD Future Funding	0	0	0	0	0	0	0	2,500	2,500
TOTAL REVENUES:	0	0	0	0	465	793	3,409	7,705	12,372
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	0	0	0	0	51	87	375	847	1,360
Construction	0	0	0	0	414	706	3,034	6,858	11,012
TOTAL EXPENDITURES:	0	0	0	0	465	793	3,409	7,705	12,372

WATER TREATMENT PLANT - ALEXANDER ORR, JR. EXPANSION

PROJECT #: 9650031



DESCRIPTION: Construct high service pumps, a 48-inch finished water line, install a new generator, and construct chlorine facilities

LOCATION: 6800 SW 87 Ave

Unincorporated Miami-Dade County

District Located:

7

District(s) Served:

Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Renewal and Replacement Fund	750	0	0	0	0	0	0	0	750
Future WASD Revenue Bonds	0	0	18,651	29,294	13,515	27,088	8,244	0	96,792
WASD Revenue Bonds Sold	15,323	0	0	0	0	0	0	0	15,323
TOTAL REVENUES:	16,073	0	18,651	29,294	13,515	27,088	8,244	0	112,865
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	556	890	1,679	2,636	1,216	2,438	742	0	10,157
Construction	5,385	8,599	16,226	25,486	11,758	23,566	7,173	0	98,193
Equipment Acquisition	248	395	746	1,172	541	1,084	329	0	4,515
TOTAL EXPENDITURES:	6,189	9,884	18,651	29,294	13,515	27,088	8,244	0	112,865

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WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS

PROJECT #: 9650041



DESCRIPTION: Construct pump station east of the reservoir outside the transmission loop; construct five-mega-gal elevated remote storage, new laboratory, filter backwash water tank; install two emergency generators; construct chlorine facilities; and various upgrades to plant and remote storage

LOCATION: 700 W 2 Ave and 1100 W 2 Ave
Hialeah

District Located: 6
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	16,350	14,800	20,525	15,963	8,512	0	76,150
WASD Revenue Bonds Sold	8,260	0	0	0	0	0	0	0	8,260
TOTAL REVENUES:	8,260	0	16,350	14,800	20,525	15,963	8,512	0	84,410
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	796	1,104	3,760	3,404	4,720	3,672	1,958	0	19,414
Construction	1,488	2,064	7,031	6,364	8,826	6,864	3,660	0	36,297
Equipment Acquisition	1,176	1,632	5,559	5,032	6,979	5,427	2,894	0	28,699
TOTAL EXPENDITURES:	3,460	4,800	16,350	14,800	20,525	15,963	8,512	0	84,410

Estimated Annual Operating Impact will begin in FY 2019-20 in the amount of \$15,000,000

WATER EQUIPMENT AND VEHICLES

PROJECT #: 9650141



DESCRIPTION: Acquire vehicles, equipment, and associated water system capital support materials

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Renewal and Replacement Fund	40,790	13,732	7,000	7,000	7,000	7,000	7,000	55,000	144,522
WASD Revenue Bonds Sold	52	0	0	0	0	0	0	0	52
TOTAL REVENUES:	40,842	13,732	7,000	7,000	7,000	7,000	7,000	55,000	144,574
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Equipment Acquisition	38,866	15,708	7,000	7,000	7,000	7,000	7,000	55,000	144,574
TOTAL EXPENDITURES:	38,866	15,708	7,000	7,000	7,000	7,000	7,000	55,000	144,574

WATER TREATMENT PLANTS REPLACEMENT AND RENOVATIONS

PROJECT #: 9650161



DESCRIPTION: Renovate and replace water treatment plant facilities and structures within plant sites

LOCATION: Water Treatment Plants
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Renewal and Replacement Fund	28,386	3,363	1,000	1,000	1,000	1,000	1,000	0	36,749
Future WASD Revenue Bonds	0	0	4,000	4,500	3,045	3,045	0	0	14,590
WASD Revenue Bonds Sold	3,560	0	0	0	0	0	0	0	3,560
TOTAL REVENUES:	31,946	3,363	5,000	5,500	4,045	4,045	1,000	0	54,899
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	1,624	494	300	330	243	243	60	0	3,294
Equipment Acquisition	25,448	7,743	4,700	5,170	3,802	3,802	940	0	51,605
TOTAL EXPENDITURES:	27,072	8,237	5,000	5,500	4,045	4,045	1,000	0	54,899

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WATER SYSTEM MAINTENANCE AND UPGRADES

PROJECT #: 9650181



DESCRIPTION: Maintain and develop existing water system facilities, structures, and equipment
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Renewal and Replacement Fund	107,401	20,547	21,163	21,798	22,453	23,126	23,820	162,500	402,808
WASD Revenue Bonds Sold	6,593	0	0	0	0	0	0	0	6,593
TOTAL REVENUES:	113,994	20,547	21,163	21,798	22,453	23,126	23,820	162,500	409,401
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	5,700	1,027	1,058	1,090	1,123	1,156	1,191	8,125	20,470
Construction	108,294	19,520	20,105	20,708	21,330	21,970	22,629	154,375	388,931
TOTAL EXPENDITURES:	113,994	20,547	21,163	21,798	22,453	23,126	23,820	162,500	409,401

GRAVITY SEWER RENOVATIONS

PROJECT #: 9650201



DESCRIPTION: Rehabilitate gravity sewers to reduce infiltration and inflow
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	15,073	0	0	0	0	0	0	0	15,073
Future WASD Revenue Bonds	0	0	1,903	2,000	2,458	3,000	0	0	9,361
WASD Revenue Bonds Sold	4,320	0	0	0	0	0	0	0	4,320
TOTAL REVENUES:	19,393	0	1,903	2,000	2,458	3,000	0	0	28,754
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Construction	18,278	1,115	1,903	2,000	2,458	3,000	0	0	28,754
TOTAL EXPENDITURES:	18,278	1,115	1,903	2,000	2,458	3,000	0	0	28,754

SANITARY SEWER SYSTEM IMPROVEMENTS

PROJECT #: 9650221



DESCRIPTION: Construct sanitary sewer system improvements using funds from the special construction fund including special taxing districts
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	2,689	0	0	0	0	0	0	0	2,689
Wastewater Special Construction Fund	6,431	300	400	500	500	500	500	0	9,131
TOTAL REVENUES:	9,120	300	400	500	500	500	500	0	11,820
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	365	12	16	20	20	20	20	0	473
Construction	8,755	288	384	480	480	480	480	0	11,347
TOTAL EXPENDITURES:	9,120	300	400	500	500	500	500	0	11,820

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CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATION

PROJECT #: 9650241



IMPROVEMENTS

DESCRIPTION: Construct a force main crossing Bear Cut, a force main in Flagler St from SW 37 Ave to SW 10 Ave, and a force main from Miami Beach to the Central District Wastewater Treatment Plant

LOCATION: Wastewater System - Central District Area
City of Miami

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	26,933	4,734	0	0	0	0	0	0	31,667
Future WASD Revenue Bonds	0	0	2,443	1,852	11,255	12,964	0	0	28,514
WASD Revenue Bonds Sold	5,302	0	0	0	0	0	0	0	5,302
WASD Future Funding	0	0	0	0	0	0	0	828	828
TOTAL REVENUES:	32,235	4,734	2,443	1,852	11,255	12,964	0	828	66,311
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Land/Building Acquisition	166	46	130	343	1,030	830	74	33	2,652
Planning and Design	166	46	130	344	1,030	830	74	33	2,653
Construction	3,652	1,014	2,854	7,559	22,667	18,251	1,628	729	58,354
Equipment Acquisition	166	46	129	344	1,030	830	74	33	2,652
TOTAL EXPENDITURES:	4,150	1,152	3,243	8,590	25,757	20,741	1,850	828	66,311

Estimated Annual Operating Impact will begin in FY 2019-20 in the amount of \$2,253,000

WATER GENERAL MAINTENANCE AND OFFICE FACILITIES

PROJECT #: 9650271



DESCRIPTION: Construct regional general maintenance centers, office facilities, and storage warehouses

LOCATION: Systemwide
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	12,257	10,400	11,527	3,550	4,100	4,729	46,563
WASD Revenue Bonds Sold	4,802	0	0	0	0	0	0	0	4,802
WASD Future Funding	0	0	0	0	0	0	0	8,500	8,500
TOTAL REVENUES:	4,802	0	12,257	10,400	11,527	3,550	4,100	13,229	59,865
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Land/Building Acquisition	57	182	613	520	576	177	205	661	2,991
Planning and Design	69	219	736	624	692	213	246	794	3,593
Construction	1,024	3,251	10,908	9,256	10,259	3,160	3,649	11,774	53,281
TOTAL EXPENDITURES:	1,150	3,652	12,257	10,400	11,527	3,550	4,100	13,229	59,865

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WASTEWATER EQUIPMENT AND VEHICLES

PROJECT #: 9650301



DESCRIPTION: Acquire vehicles, equipment, and associated wastewater system capital support materials
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	60,109	17,566	8,000	8,000	8,000	8,000	8,000	0	117,675
TOTAL REVENUES:	60,109	17,566	8,000	8,000	8,000	8,000	8,000	0	117,675
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Equipment Acquisition	53,559	23,075	9,041	8,000	8,000	8,000	8,000	0	117,675
TOTAL EXPENDITURES:	53,559	23,075	9,041	8,000	8,000	8,000	8,000	0	117,675

WASTEWATER SYSTEM MAINTENANCE AND UPGRADES

PROJECT #: 9650361



DESCRIPTION: Maintain and develop existing wastewater system facilities, structures, and equipment
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	66,600	9,000	16,189	16,674	17,174	17,690	18,220	162,500	324,047
WASD Revenue Bonds Sold	3,188	0	0	0	0	0	0	0	3,188
TOTAL REVENUES:	69,788	9,000	16,189	16,674	17,174	17,690	18,220	162,500	327,235
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	10,091	2,515	2,590	2,668	2,748	2,831	2,915	26,000	52,358
Construction	52,980	13,202	13,599	14,006	14,426	14,859	15,305	136,500	274,877
TOTAL EXPENDITURES:	63,071	15,717	16,189	16,674	17,174	17,690	18,220	162,500	327,235

LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS

PROJECT #: 9650371



DESCRIPTION: Repair, replace, and upgrade existing lift stations throughout the wastewater system
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	24,463	3,240	2,000	2,000	2,000	2,000	2,000	0	37,703
Future WASD Revenue Bonds	0	0	3,000	5,500	5,050	3,000	5,000	4,000	25,550
WASD Revenue Bonds Sold	6,284	0	0	0	0	0	0	0	6,284
TOTAL REVENUES:	30,747	3,240	5,000	7,500	7,050	5,000	7,000	4,000	69,537
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	2,254	535	720	675	634	450	630	360	6,258
Construction	22,789	5,409	7,280	6,825	6,416	4,550	6,370	3,640	63,279
TOTAL EXPENDITURES:	25,043	5,944	8,000	7,500	7,050	5,000	7,000	4,000	69,537

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$5,000,000

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WATER MAIN EXTENSIONS

PROJECT #: 9651051



DESCRIPTION: Construct water main extensions funded from the special construction fund, including special taxing districts
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Special Construction Fund	6,610	1,000	1,000	1,000	1,000	2,000	2,000	0	14,610
TOTAL REVENUES:	6,610	1,000	1,000	1,000	1,000	2,000	2,000	0	14,610
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Construction	6,610	1,000	1,000	1,000	1,000	2,000	2,000	0	14,610
TOTAL EXPENDITURES:	6,610	1,000	1,000	1,000	1,000	2,000	2,000	0	14,610

SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS

PROJECT #: 9651061



DESCRIPTION: Construct piping improvements to pump station number 536 and force main upgrade in SW 117 Ave
 LOCATION: Wastewater System - South District Area District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	1,679	4,687	16,249	63,130	85,378	119,512	290,635
WASD Revenue Bonds Sold	1,970	0	0	0	0	0	0	0	1,970
TOTAL REVENUES:	1,970	0	1,679	4,687	16,249	63,130	85,378	119,512	292,605
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	26	52	67	187	650	2,525	3,415	4,781	11,703
Construction	434	866	1,108	3,094	10,724	41,666	56,349	78,878	193,119
Equipment Acquisition	198	394	504	1,406	4,875	18,939	25,614	35,853	87,783
TOTAL EXPENDITURES:	658	1,312	1,679	4,687	16,249	63,130	85,378	119,512	292,605

PUMP STATION IMPROVEMENTS PROGRAM

PROJECT #: 9651071



DESCRIPTION: Upgrade pump stations systemwide to meet forecasted demands
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	3,419	0	0	0	0	0	0	0	3,419
Future WASD Revenue Bonds	0	0	65,000	60,600	35,000	0	0	0	160,600
WASD Revenue Bonds Sold	32,190	0	0	0	0	0	0	0	32,190
TOTAL REVENUES:	35,609	0	65,000	60,600	35,000	0	0	0	196,209
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	3,297	2,400	10,400	9,696	5,600	0	0	0	31,393
Construction	17,312	12,600	54,600	50,904	29,400	0	0	0	164,816
TOTAL EXPENDITURES:	20,609	15,000	65,000	60,600	35,000	0	0	0	196,209

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PUMP STATION GENERATORS AND MISCELLANEOUS UPGRADES

PROJECT #: 9652002



DESCRIPTION: Install emergency generators and construct miscellaneous upgrades at wastewater pump stations
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	4,210	9,828	10,166	8,035	950	0	33,189
WASD Revenue Bonds Sold	5,378	0	0	0	0	0	0	0	5,378
TOTAL REVENUES:	5,378	0	4,210	9,828	10,166	8,035	950	0	38,567
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	129	193	252	590	610	482	57	0	2,313
Construction	2,034	3,022	3,958	9,238	9,556	7,553	893	0	36,254
TOTAL EXPENDITURES:	2,163	3,215	4,210	9,828	10,166	8,035	950	0	38,567

WASTEWATER TREATMENT PLANT AUTOMATION ENHANCEMENTS

PROJECT #: 9652003



DESCRIPTION: Construct facilities and install equipment to automate functions at wastewater treatment plants
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
WASD Revenue Bonds Sold	2,000	0	0	0	0	0	0	0	2,000
TOTAL REVENUES:	2,000	0	0	0	0	0	0	0	2,000
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	35	105	0	0	0	0	0	0	140
Construction	165	495	0	0	0	0	0	0	660
Equipment Acquisition	300	900	0	0	0	0	0	0	1,200
TOTAL EXPENDITURES:	500	1,500	0	0	0	0	0	0	2,000

WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES

PROJECT #: 9652061



DESCRIPTION: Upgrade wastewater treatment plants to meet regulatory requirements
 LOCATION: Wastewater Treatment Plants District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	3,137	3,209	0	0	0	0	6,346
WASD Revenue Bonds Sold	2,904	0	0	0	0	0	0	0	2,904
WASD Future Funding	0	0	0	0	0	0	0	7,500	7,500
TOTAL REVENUES:	2,904	0	3,137	3,209	0	0	0	7,500	16,750
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	42	132	188	193	0	0	0	450	1,005
Construction	630	1,984	2,823	2,888	0	0	0	6,750	15,075
Equipment Acquisition	28	88	126	128	0	0	0	300	670
TOTAL EXPENDITURES:	700	2,204	3,137	3,209	0	0	0	7,500	16,750

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NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS

PROJECT #: 9652101



DESCRIPTION: Improve pump stations to increase system flexibility

LOCATION: Wastewater System - North District Area
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	11,614	224	0	0	0	0	0	0	11,838
Future WASD Revenue Bonds	0	0	609	1,963	8,496	6,375	25,151	187,584	230,178
WASD Revenue Bonds Sold	446	0	0	0	0	0	0	0	446
WASD Future Funding	0	0	0	0	0	0	0	30,960	30,960
TOTAL REVENUES:	12,060	224	609	1,963	8,496	6,375	25,151	218,544	273,422
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Construction	284	942	1,948	5,757	14,421	6,375	25,151	218,544	273,422
TOTAL EXPENDITURES:	284	942	1,948	5,757	14,421	6,375	25,151	218,544	273,422

Estimated Annual Operating Impact will begin in FY 2017-18 in the amount of \$2,330,000

WASTEWATER TELEMETERING SYSTEM

PROJECT #: 9652481



DESCRIPTION: Install a computer system to monitor and control wastewater flows and pressures at various pump stations

LOCATION: Systemwide
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	6,153	0	0	0	0	0	0	0	6,153
Future WASD Revenue Bonds	0	0	700	579	0	0	0	0	1,279
WASD Revenue Bonds Sold	1,375	0	0	0	0	0	0	0	1,375
TOTAL REVENUES:	7,528	0	700	579	0	0	0	0	8,807
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	2,936	301	301	249	0	0	0	0	3,787
Construction	3,892	399	399	330	0	0	0	0	5,020
TOTAL EXPENDITURES:	6,828	700	700	579	0	0	0	0	8,807

Estimated Annual Operating Impact will begin in FY 2017-18 in the amount of \$10,000

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

PROJECT #: 9652821



DESCRIPTION: Construct water treatment plant, wellfields, and various water transmission mains in south Miami-Dade County
 LOCATION: 11800 SW 208 St District Located: 9
 Unincorporated Miami-Dade County District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Connection Charges	26,819	4,000	4,000	4,000	4,000	4,000	0	0	46,819
Water Construction Fund	1,994	0	0	0	0	0	0	0	1,994
Future WASD Revenue Bonds	0	0	17,311	19,361	2,993	8,220	0	0	47,885
WASD Revenue Bonds Sold	8,836	0	0	0	0	0	0	0	8,836
WASD Future Funding	0	0	0	0	0	0	0	63,600	63,600
TOTAL REVENUES:	37,649	4,000	21,311	23,361	6,993	12,220	0	63,600	169,134
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	736	294	1,827	2,188	344	943	0	3,816	10,148
Construction	11,529	4,606	28,612	34,289	5,383	14,783	0	59,784	158,986
TOTAL EXPENDITURES:	12,265	4,900	30,439	36,477	5,727	15,726	0	63,600	169,134

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$20,000,000

WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES

PROJECT #: 9653201



DESCRIPTION: Construct and/or renovate regional general maintenance centers, office facilities, and storage warehouses
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	15,226	15,775	17,440	8,500	4,022	2,000	62,963
WASD Revenue Bonds Sold	6,474	0	0	0	0	0	0	0	6,474
WASD Future Funding	0	0	0	0	0	0	0	74,500	74,500
TOTAL REVENUES:	6,474	0	15,226	15,775	17,440	8,500	4,022	76,500	143,937
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Land/Building Acquisition	97	226	761	789	872	425	201	3,825	7,196
Planning and Design	234	543	1,827	1,893	2,093	1,020	482	9,180	17,272
Construction	1,619	3,755	12,638	13,093	14,475	7,055	3,339	63,495	119,469
TOTAL EXPENDITURES:	1,950	4,524	15,226	15,775	17,440	8,500	4,022	76,500	143,937

Estimated Annual Operating Impact will begin in FY 2015-16 in the amount of \$325,000

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION

PROJECT #: 9653261



DESCRIPTION: Renovate and replace wastewater treatment plant facilities and structures within plant sites
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	58,994	9,197	7,000	7,000	7,000	7,000	7,000	0	103,191
Future WASD Revenue Bonds	0	0	608	608	608	3,527	0	0	5,351
WASD Revenue Bonds Sold	771	0	0	0	0	0	0	0	771
WASD Future Funding	0	0	0	0	0	0	0	5,165	5,165
TOTAL REVENUES:	59,765	9,197	7,608	7,608	7,608	10,527	7,000	5,165	114,478
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	9,074	1,959	1,217	1,217	1,217	1,684	1,120	826	18,314
Construction	47,643	10,286	6,391	6,391	6,391	8,843	5,880	4,339	96,164
TOTAL EXPENDITURES:	56,717	12,245	7,608	7,608	7,608	10,527	7,000	5,165	114,478

SANITARY SEWER SYSTEM EXTENSION

PROJECT #: 9653281



DESCRIPTION: Extend sewer system lines to include the existing sanitary sewer needs assessment
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	57,995	460	0	0	0	0	0	0	58,455
Future WASD Revenue Bonds	0	0	2,113	2,113	2,113	4,113	2,038	390,000	402,490
WASD Revenue Bonds Sold	10,515	0	0	0	0	0	0	0	10,515
TOTAL REVENUES:	68,510	460	2,113	2,113	2,113	4,113	2,038	390,000	471,460
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	7,247	339	232	232	232	452	224	42,900	51,858
Construction	58,643	2,741	1,881	1,881	1,881	3,661	1,814	347,100	419,602
TOTAL EXPENDITURES:	65,890	3,080	2,113	2,113	2,113	4,113	2,038	390,000	471,460

WATER DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS

PROJECT #: 9653311



DESCRIPTION: Install various water mains throughout the distribution system
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Renewal and Replacement Fund	98,898	1,658	2,000	2,000	2,000	2,000	2,000	1,475,000	1,585,556
Future WASD Revenue Bonds	0	0	50,872	60,555	88,997	62,003	54,772	52,499	369,698
WASD Revenue Bonds Sold	44,559	0	0	0	0	0	0	0	44,559
TOTAL REVENUES:	143,457	1,658	52,872	62,555	90,997	64,003	56,772	1,527,499	1,999,813
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	31,855	25,516	7,133	8,132	11,830	8,320	7,380	198,575	298,741
Construction	84,302	1,442	47,739	54,423	79,167	55,683	49,392	1,328,924	1,701,072
TOTAL EXPENDITURES:	116,157	26,958	54,872	62,555	90,997	64,003	56,772	1,527,499	1,999,813

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

PEAK FLOW MANAGEMENT FACILITIES

PROJECT #: 9653371



DESCRIPTION: Evaluate and construct alternatives for peak flow management facilities and associated infrastructure
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Connection Charges	39,218	0	0	0	0	0	0	0	39,218
Future WASD Revenue Bonds	0	0	22,383	66,405	33,998	42,852	56,614	283,106	505,358
WASD Revenue Bonds Sold	5,804	0	0	0	0	0	0	0	5,804
TOTAL REVENUES:	45,022	0	22,383	66,405	33,998	42,852	56,614	283,106	550,380
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	2,745	1,713	2,283	6,641	3,400	4,285	5,662	28,310	55,039
Construction	24,697	15,418	20,549	59,764	30,598	38,567	50,952	254,796	495,341
TOTAL EXPENDITURES:	27,442	17,131	22,832	66,405	33,998	42,852	56,614	283,106	550,380

CORROSION CONTROL FACILITIES IMPROVEMENTS

PROJECT #: 9653381



DESCRIPTION: Construct corrosion control facilities and force mains; renovate structures at wastewater treatment plants and pump stations; and restore sewer mains
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	115	0	0	0	0	0	0	0	115
Future WASD Revenue Bonds	0	0	1,500	3,000	1,700	500	0	0	6,700
WASD Revenue Bonds Sold	800	0	0	0	0	0	0	0	800
TOTAL REVENUES:	915	0	1,500	3,000	1,700	500	0	0	7,615
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	4	5	15	30	17	5	0	0	76
Construction	411	495	1,485	2,970	1,683	495	0	0	7,539
TOTAL EXPENDITURES:	415	500	1,500	3,000	1,700	500	0	0	7,615

SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

PROJECT #: 9653401



DESCRIPTION: Construct plant process improvements including injection and monitoring wells, installation of emergency generators, acquiring a land buffer, construction of a landfill gas pipeline, installation of co-gen units, and construction of sludge handling facilities
 LOCATION: 8950 SW 232 St District Located: 8
 Unincorporated Miami-Dade County District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	3,706	6,848	6,795	13,519	117,884	59,541	208,293
WASD Revenue Bonds Sold	25,661	0	0	0	0	0	0	0	25,661
WASD Future Funding	0	0	0	0	0	0	0	182,500	182,500
TOTAL REVENUES:	25,661	0	3,706	6,848	6,795	13,519	117,884	242,041	416,454
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	17,074	3,198	2,928	5,410	5,368	10,680	93,128	191,212	328,998
Construction	4,539	850	778	1,438	1,427	2,839	24,756	50,829	87,456
TOTAL EXPENDITURES:	21,613	4,048	3,706	6,848	6,795	13,519	117,884	242,041	416,454

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

PROJECT #: 9653411

DESCRIPTION: Construct a chlorine improvement process, replace sluice gates in the pre-treatment bar screen room, and provide for various upgrades and rehabilitation of the plant

LOCATION: 2575 NE 151 St
North Miami

District Located: 4
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	500	2,597	9,752	18,631	8,092	154,155	193,727
TOTAL REVENUES:	0	0	500	2,597	9,752	18,631	8,092	154,155	193,727
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	0	0	40	208	780	1,490	647	12,332	15,497
Construction	0	0	450	2,337	8,777	16,768	7,283	138,739	174,354
Equipment Acquisition	0	0	10	52	195	373	162	3,084	3,876
TOTAL EXPENDITURES:	0	0	500	2,597	9,752	18,631	8,092	154,155	193,727

CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

PROJECT #: 9653421

DESCRIPTION: Construct digester improvements, digested sludge holding tanks, miscellaneous electrical improvements, outfall rehabilitation, a new gas pipeline, a new flushing water line, and a sludge handling facility; various upgrades and rehabilitation of plant including pump stations 1 and 2

LOCATION: Virginia Key
City of Miami

District Located: 7
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	2,689	0	0	0	0	0	0	0	2,689
Future WASD Revenue Bonds	0	0	34,798	37,154	40,330	24,135	9,706	184,993	331,116
WASD Revenue Bonds Sold	15,688	0	0	0	0	0	0	0	15,688
WASD Future Funding	0	0	0	0	0	0	0	113,500	113,500
TOTAL REVENUES:	18,377	0	34,798	37,154	40,330	24,135	9,706	298,493	462,993
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	742	911	3,132	3,344	3,630	2,172	874	26,864	41,669
Construction	7,510	9,214	31,666	33,810	36,700	21,963	8,832	271,629	421,324
TOTAL EXPENDITURES:	8,252	10,125	34,798	37,154	40,330	24,135	9,706	298,493	462,993

Estimated Annual Operating Impact will begin in FY 2015-16 in the amount of \$200,000

WATER SYSTEM FIRE HYDRANT INSTALLATION

PROJECT #: 9653461

DESCRIPTION: Install fire hydrants and construct related system improvements

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Fire Hydrant Fund	29,526	2,000	2,500	2,500	2,500	2,500	3,000	6,130	50,656
TOTAL REVENUES:	29,526	2,000	2,500	2,500	2,500	2,500	3,000	6,130	50,656
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	2,816	200	250	250	250	250	300	750	5,066
Construction	25,340	1,800	2,250	2,250	2,250	2,250	2,700	6,750	45,590
TOTAL EXPENDITURES:	28,156	2,000	2,500	2,500	2,500	2,500	3,000	7,500	50,656

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

NORTH MIAMI-DADE WATER TRANSMISSION MAIN IMPROVEMENTS

PROJECT #: 9654031

DESCRIPTION: Install 36-inch water main along NW 87 Ave to improve transmission capabilities in the north - central area of the county; and a 48-inch water main connection to the Carol City tank

LOCATION: North Miami-Dade County Area
Miami Gardens

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	416	3,630	9,601	1,994	68	0	15,709
TOTAL REVENUES:	0	0	416	3,630	9,601	1,994	68	0	15,709
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	0	0	50	435	1,152	239	8	0	1,884
Construction	0	0	366	3,195	8,449	1,755	60	0	13,825
TOTAL EXPENDITURES:	0	0	416	3,630	9,601	1,994	68	0	15,709

CENTRAL MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS

PROJECT #: 9654041

DESCRIPTION: Replace various low pressure water mains; install a 20-inch water main at railroad crossings via microtunneling method

LOCATION: Central Miami-Dade County Area
City of Miami

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	2,343	3,610	13,230	33,279	906	53,368
TOTAL REVENUES:	0	0	0	2,343	3,610	13,230	33,279	906	53,368
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	0	0	0	187	289	1,058	2,662	72	4,268
Construction	0	0	0	2,156	3,321	12,172	30,617	834	49,100
TOTAL EXPENDITURES:	0	0	0	2,343	3,610	13,230	33,279	906	53,368

SAFE DRINKING WATER ACT MODIFICATIONS-SWT RULE AND D-DBP

PROJECT #: 9654061

DESCRIPTION: Modify water treatment to comply with Surface Water Treatment (SWT) and Disinfectant/Disinfection By Product (D-DBP) Regulations

LOCATION: Systemwide
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Rock Mining Mitigation Fees	14,501	0	0	0	0	0	0	0	14,501
Future WASD Revenue Bonds	0	0	12,200	33,300	194,762	195,211	135,680	0	571,153
WASD Revenue Bonds Sold	300	0	0	0	0	0	0	0	300
TOTAL REVENUES:	14,801	0	12,200	33,300	194,762	195,211	135,680	0	585,954
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	270	26	244	666	3,895	3,904	2,713	0	11,718
Construction	13,231	1,274	11,956	32,634	190,867	191,307	132,967	0	574,236
TOTAL EXPENDITURES:	13,501	1,300	12,200	33,300	194,762	195,211	135,680	0	585,954

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$10,000,000

FY 2014 - 15 Proposed Budget and Multi-Year Capital Plan

SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III

PROJECT #: 9655481



DESCRIPTION: Expand the South District Wastewater Plant and injection wells and install emergency generators
 LOCATION: 8950 SW 232 St District Located: 8
 Unincorporated Miami-Dade County District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Wastewater Renewal Fund	1,271	0	0	0	0	0	0	0	1,271
Future WASD Revenue Bonds	0	0	1,671	4,588	10,560	31,104	76,838	43,643	168,404
TOTAL REVENUES:	1,271	0	1,671	4,588	10,560	31,104	76,838	43,643	169,675
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	153	0	201	550	1,267	3,732	9,221	5,237	20,361
Construction	1,118	0	1,470	4,038	9,293	27,372	67,617	38,406	149,314
TOTAL EXPENDITURES:	1,271	0	1,671	4,588	10,560	31,104	76,838	43,643	169,675

WATER TELEMETERING SYSTEM ENHANCEMENTS

PROJECT #: 9656780



DESCRIPTION: Acquire and install a centralized computer system at water treatment plants and wellfields
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Water Renewal and Replacement Fund	4,150	700	2,000	2,000	2,000	2,000	2,000	0	14,850
Future WASD Revenue Bonds	0	0	433	433	433	0	0	0	1,299
WASD Revenue Bonds Sold	1,148	0	0	0	0	0	0	0	1,148
TOTAL REVENUES:	5,298	700	2,433	2,433	2,433	2,000	2,000	0	17,297
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Construction	4,865	1,133	2,433	2,433	2,433	2,000	2,000	0	17,297
TOTAL EXPENDITURES:	4,865	1,133	2,433	2,433	2,433	2,000	2,000	0	17,297

SOUTH DISTRICT WASTEWATER TREATMENT PLANT - HIGH LEVEL DISINFECTION

PROJECT #: 96510240



DESCRIPTION: Construct treatment facilities for high level disinfection to meet regulatory requirements at the South District Wastewater Treatment Plant
 LOCATION: 8950 SW 232 St District Located: 8
 Unincorporated Miami-Dade County District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
HLD Special Construction Fund	34,861	0	0	0	0	0	0	0	34,861
Wastewater Renewal Fund	2,110	0	0	0	0	0	0	0	2,110
WASD Revenue Bonds Sold	6,287	0	0	0	0	0	0	0	6,287
TOTAL REVENUES:	43,258	0	0	0	0	0	0	0	43,258
EXPENDITURE SCHEDULE:	PRIOR	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	FUTURE	TOTAL
Planning and Design	845	20	0	0	0	0	0	0	865
Construction	41,405	988	0	0	0	0	0	0	42,393
TOTAL EXPENDITURES:	42,250	1,008	0	0	0	0	0	0	43,258

