

# FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

## Water and Sewer

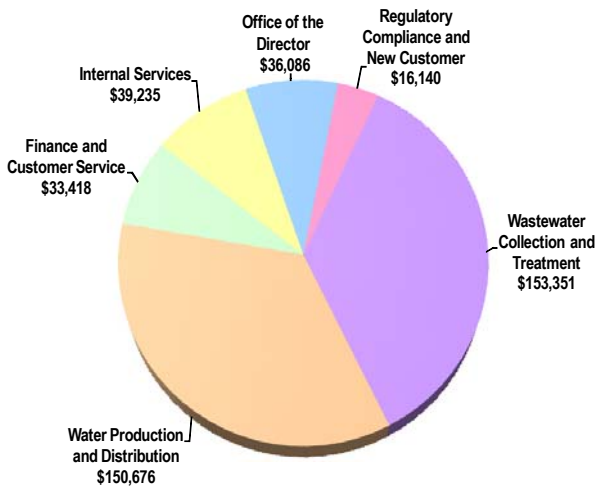
The Miami-Dade Water and Sewer Department (WASD) provides high-quality drinking water and wastewater disposal services, safeguarding public health and the environment, while planning for future growth, implementing water conservation measures, and providing for process improvements and cost efficiencies.

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 five smaller water treatment plants, with a total rated capacity of 454 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; 1,042 sewer pump stations (1,023 County-owned and 19 maintained for other entities); 7,918 miles of water distribution mains; and 6,277 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.

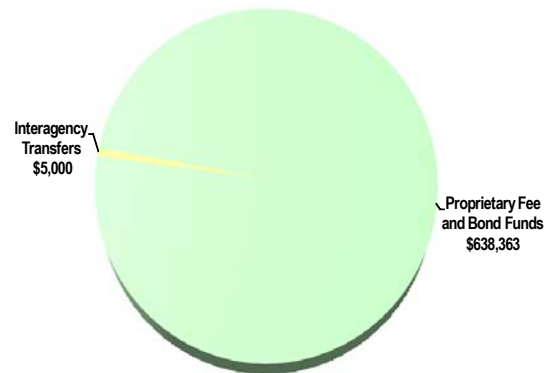
The Department delivers water and sewer services to most residents and businesses within Miami-Dade County, serving approximately 425,000 water and 343,000 wastewater retail customers as of September 30, 2012. Additionally, wholesale water service is provided to 15 municipalities and wholesale sewer 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 2013-14 Proposed Budget

**Expenditures by Activity**  
(dollars in thousands)

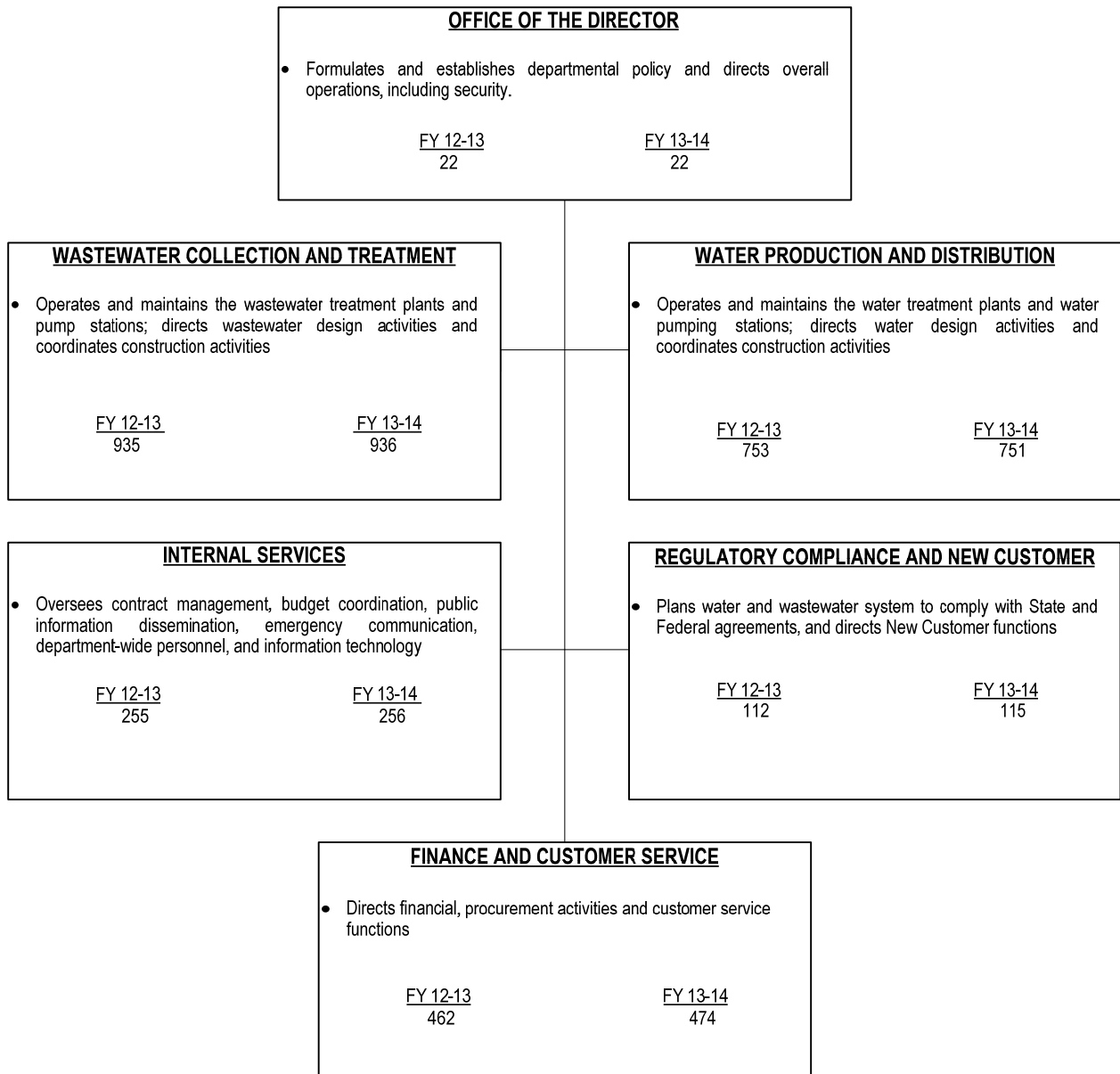


**Revenues by Source**  
(dollars in thousands)



# FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

## TABLE OF ORGANIZATION



## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### FINANCIAL SUMMARY

(dollars in thousands)	Actual FY 10-11	Actual FY 11-12	Budget FY 12-13	Proposed FY 13-14
<b>Revenue Summary</b>				
Maintenance Fees	251	251	255	257
Miscellaneous Non-Operating	4,390	8,136	2,260	3,060
Miscellaneous Revenues	7,308	6,319	6,353	6,354
Septic Tanks and High Strength Sewage	2,568	2,407	2,365	2,378
Transfer From Other Funds	5,500	0	10,038	7,963
Wastewater Revenue	279,323	273,749	271,335	294,731
Water Revenue	240,180	237,963	234,842	249,597
Carryover	63,226	60,652	55,664	57,383
Delinquency, Billing, and Service Charges	11,362	10,908	11,782	11,767
Fire Protection and Fire Hydrant Fees	4,668	4,705	4,846	4,873
Loan Repayments	0	0	0	5,000
<b>Total Revenues</b>	<b>618,776</b>	<b>605,090</b>	<b>599,740</b>	<b>643,363</b>

### **Operating Expenditures**

#### **Summary**

Salary	136,427	138,669	134,386	137,050
Fringe Benefits	41,250	37,376	32,100	43,240
Court Costs	0	0	0	0
Contractual Services	69,150	63,981	74,494	70,637
Other Operating	52,763	53,774	61,888	64,751
Charges for County Services	33,221	31,277	41,429	40,900
Grants to Outside Organizations	0	0	0	0
Capital	66,685	54,772	47,712	72,328
<b>Total Operating Expenditures</b>	<b>399,496</b>	<b>379,849</b>	<b>392,009</b>	<b>428,906</b>

### **Non-Operating Expenditures**

#### **Summary**

Transfers	32,220	0	0	0
Distribution of Funds In Trust	0	0	0	0
Debt Service	126,408	149,331	150,348	155,027
Depreciation, Amortizations and Depletion	0	0	0	0
Reserve	0	20,246	57,383	59,430
<b>Total Non-Operating Expenditures</b>	<b>158,628</b>	<b>169,577</b>	<b>207,731</b>	<b>214,457</b>

(dollars in thousands) Expenditure By Program	Total Funding		Total Positions	
	Budget FY 12-13	Proposed FY 13-14	Budget FY 12-13	Proposed FY 13-14
<b>Strategic Area: Neighborhood and Infrastructure</b>				
Office of the Director	39,221	36,086	22	22
Wastewater Collection and Treatment	128,071	153,351	935	936
Water Production and Distribution	140,215	150,676	753	751
Internal Services	35,657	39,235	255	256
Finance and Customer Service	30,334	33,418	462	474
Regulatory Compliance and New Customer	18,511	16,140	112	115
<b>Total Operating Expenditures</b>	<b>392,009</b>	<b>428,906</b>	<b>2,539</b>	<b>2,554</b>

### SELECTED ITEM HIGHLIGHTS AND DETAILS

Line Item Highlights	(dollars in thousands)				
	Actual FY 10-11	Actual FY 11-12	Budget FY 12-13	Projection FY 12-13	Proposed FY 13-14
Advertising	715	721	770	722	802
Fuel	3,598	3,547	3,634	3,896	3,602
Overtime	9,146	9,273	8,403	9,307	8,463
Rent	538	351	709	400	470
Security Services	13,889	11,383	13,729	11,797	11,722
Temporary Services	961	451	895	763	253
Travel and Registration	63	113	217	179	289

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

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### **DIVISION: OFFICE OF THE DIRECTOR**

The Office of the Director formulates and establishes departmental policy and directs overall operations, including security and legal issues.

- Defines and monitors Department-wide operating goals and procedures
- Defines and monitors engineering, construction, and quality assurance goals, and directs planning and regulatory functions
- Provides legal support
- Directs department-wide security services

### **DIVISION COMMENTS**

- The FY 2013-14 Proposed Budget includes funding for the Regulatory and Economic Resources Department (RER) to fund the Florida Yards and Neighborhoods Program (\$261,000)
- The FY 2013-14 Proposed Budget includes payments to the Audit and Management Services Department for expenses associated with audits and reviews (\$440,000)
- In the FY 2013-14 Proposed Budget, retail water and wastewater rates will increase by eight percent, as approved by the Board of County Commissioners (BCC) on June 4, 2013 (Resolution 444-13); the bill of the average retail water and sewer customer (6,750 gallons per month) will increase to approximately \$45.39 or by \$3.36 per month; future adjustments will be needed based on debt service obligations and operating requirements
- In FY 2013-14, the wholesale water rate per thousand gallons is proposed to remain at \$1.7142 and the sewer wholesale rate is proposed to increase to \$2.4523 from \$2.1528; wholesale customers' bills will also include an adjustment to recover actual cost for FY 2011-12
- The FY 2013-14 Proposed Budget includes a Memorandum of Understanding agreement with the Office of the Inspector General to perform specialized audits as required (\$100,000)
- In FY 2013-14, the Proposed Budget includes funding to the Miami-Dade Fire Rescue Department (MDFR) for fire hydrant maintenance (\$1 million)

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### **DIVISION: WASTEWATER COLLECTION AND TREATMENT**

The Wastewater Collection and Treatment Division operates and maintains the Wastewater System, including wastewater treatment plants, sewer pipes (laterals/force mains), Supervisory Control and Data Acquisition (SCADA) system and pump stations. Additionally, the Division directs Wastewater Priority Projects, including construction management and engineering.

- Directs wastewater operations including treatment and disposal, as well as maintenance of pumping and collection systems
- Directs installation, repairs, and maintenance of the sewer pipeline system
- Performs mechanical, electrical, and structural maintenance of treatment plants and lift stations
- Installs, repairs, relocates, maintains, and replaces all gravity sewer lines, force mains, valves, sewer laterals, and manholes countywide
- Administers the SCADA system, telemetry and radios
- Coordinates High Level Disinfection (HLD) and wastewater reuse projects
- Oversees wastewater system design standards and engineering support, including survey work.
- Oversees design and construction activities for Wastewater Collection and Treatment related projects

### **Strategic Objectives - Measures**

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

Objectives	Measures			FY 10-11	FY 11-12	FY 12-13	FY 12-13	FY 13-14
				Actual	Actual	Budget	Projection	Target
Reduce response time to sanitary sewer overflows	Average response time to sewage overflows (in minutes)	EF	↓	55	52	55	55	55
Ensure proper maintenance and operation of the sewage system	Percentage compliance with wastewater effluent limits*	OC	↑	100%	83%	100%	75%	100%
	Percentage of pumps in service	EF	↑	99%	98%	99%	99%	99%
	Wastewater mainline valves exercised	OP	↔	6,018	6,229	6,000	6,000	6,000
	Percent completion of wastewater pipeline relocation projects required for Miami Harbor Deepening Project	EF	↑	50%	83%	100%	99%	100%

\*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; all projects are currently included in the capital plan that are required to meet compliance with wastewater effluent limits, but as projects advance, schedules for completion may need to be modified, with the approval of the EPA; increased debt and operating requirements will lead to future rate adjustments

### **DIVISION COMMENTS**

- In FY 2013-14, one position (Utility Equipment Technician) will be transferred from the Water Production and Distribution Division to assist with heavy equipment emergency repairs

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### **DIVISION: WATER PRODUCTION AND DISTRIBUTION**

The Water Production and Distribution Division operates and maintains water treatment plants, water transmission and distribution pipes, water pumping stations and metering. Additionally the Division directs Water Priority Projects, including construction management and engineering.

- Directs operation of the water system, including installation, repairs, and maintenance of the water infrastructure
- Installs, repairs, relocates, maintains, and replaces all water mains and valves, fire lines, and water meters countywide
- Performs mechanical, electrical, and structural maintenance of treatment plants
- Implements Cross Connection Control Program
- Provides laboratory analysis to comply with regulatory agencies requirements
- Coordinates Water Priority Projects
- Oversees water system design standards and engineering support, including survey work

### **Strategic Objectives - Measures**

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

Objectives	Measures			FY 10-11	FY 11-12	FY 12-13	FY 12-13	FY 13-14
				Actual	Actual	Budget	Projection	Target
Ensure compliance with 20-year Water Use Permit with the South Florida Water Management District	Estimated gallons of water saved per day (GPD) through the Water Use Efficiency Program (in thousands)	EF	↑	1,589	1,936	1,124	1,124	1,124
Fully comply with drinking water standards	Percentage compliance with drinking water standards	OC	↑	100%	100%	100%	100%	100%

### **DIVISION COMMENTS**

- In FY 2013-14 two positions will be transferred to other divisions; one Utility Equipment Technician will be assisting with heavy equipment emergency repairs in the Wastewater Collection and Treatment Division, and an Information Officer will be assisting with Community Outreach and Public Information in the Internal Services Division

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### **DIVISION: INTERNAL SERVICES**

The Internal Services Division oversees legislative coordination; oversees contract management; manages budget coordination, public information dissemination, the emergency communications center, human resources; and oversees support services and Information Technology.

- Coordinates state and federal legislative actions and liaisons with municipalities
- Coordinates items submitted to the Board of County Commissioners (BCC)
- Interprets and maintains the Department's Rules and Regulations
- Manages the Department's operating and capital budgets and provides strategic planning
- Coordinates communications with media and customers
- Operates the 24-Hour Emergency Communication Center to resolve urgent infrastructure issues
- Directs human resources and general maintenance services
- Directs department-wide IT resources and support

### **Strategic Objectives - Measures**

- GG2-2: Develop and retain excellent employees and leaders

Objectives	Measures			FY 10-11	FY 11-12	FY 12-13	FY 12-13	FY 13-14
				Actual	Actual	Budget	Projection	Target
Workforce skills to support County priorities	Training hours per employee	OP	↔	10	12	8	10	9
	Percentage non-emergency requests dispatched in less than three business days	OP	↔	97%	98%	95%	98%	98%

### **DIVISION COMMENTS**

- In FY 2013-14 an Information Officer position will be transferred from the Water Production and Distribution Division to assist with Community Outreach and Public Information

### **DIVISION: FINANCE AND CUSTOMER SERVICE**

The Finance and Customer Service Division directs financial operations, procurement and stores functions, and customer service functions

- Coordinates financial activities including debt administration, investments, grants and cash management
- Administers the general ledger and asset control functions
- Prepares accounts payable, retail and wholesale bills, and special billings and collection
- Manages business process support for the Customer Information System, Enterprise Resource Planning, and Enterprise Asset Management software systems
- Oversees contract administration
- Manages retail customer account services
- Oversees procurement and stores functions

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

Strategic Objectives - Measures								
<ul style="list-style-type: none"> <li>GG1-1: Provide easy access to information and services</li> </ul>								
Objectives	Measures			FY 10-11	FY 11-12	FY 12-13	FY 12-13	FY 13-14
				Actual	Actual	Budget	Projection	Target
Provide information to customers in a timely manner	Average call wait time (in minutes)*	EF	↓	17	14	2	4	4
	Percentage calls answered within two minutes (monthly)*	EF	↑	12%	16%	90%	80%	80%

\*Due to administrative reductions in FY 2010-11, an increase in call wait times was experienced; in FY 2011-12, additional part-time positions were added to decrease call wait time and increase the percentage of calls answered within two minutes; in FY 2013-14, twelve part-time positions will be converted to full-time to meet scheduling demands

Strategic Objectives - Measures								
<ul style="list-style-type: none"> <li>GG4-1: Provide sound financial and risk management</li> </ul>								
Objectives	Measures			FY 10-11	FY 11-12	FY 12-13	FY 12-13	FY 13-14
				Actual	Actual	Budget	Projection	Target
Ensure sound asset management and financial investment strategies	Bond rating evaluation by Fitch	OC	↑	AA-	AA-	AA-	AA-	AA-
	Bond rating evaluation by Standard and Poor's	OC	↑	A+	A+	A+	A+	A+
	Bond rating evaluation by Moody's	OC	↑	A1	A1	A1	A1	A1

### DIVISION COMMENTS

- The FY 2013-14 Proposed Budget includes payments to the Finance Department for expenses associated with cash management services (\$50,000)
- The FY 2013-14 Proposed Budget includes 12 additional full-time Customer Service Representative positions that were converted from part-time to full-time positions in FY 2012-13 to help meet the demands of customers and improve call-wait time
- The FY 2012-13 year-end combined fund balance is projected at \$57.7 million in the rate stabilization and general reserve funds and is projected to be a combined balance of \$49.737 million for FY 2013-14; this reserve is available should an additional debt issuance be required in FY 2013-14; the Department will have a year-end fund balance of \$59.43 million in the operating budget as reserve required for bond ordinances

### **DIVISION: REGULATORY COMPLIANCE AND NEW CUSTOMER**

The Regulatory Compliance and New Customer Division plans the water and wastewater system to ensure compliance with state and federal agreements. The New Customer Section processes applications for new water services.

- Directs planning of water and wastewater facilities and infrastructure
- Oversees environmental regulations and compliance with federal and state agreements
- Directs Water Use Efficiency and Water Loss Reduction Plans
- Processes applications for new water service, mains, pump stations, and fire hydrant installations by private contractors

Strategic Objectives - Measures								
<ul style="list-style-type: none"> <li>NI2-1: Provide adequate potable water supply and wastewater disposal</li> </ul>								
Objectives	Measures			FY 10-11	FY 11-12	FY 12-13	FY 12-13	FY 13-14
				Actual	Actual	Budget	Projection	Target
Ensure compliance with 20-year Water Use Permit with the South Florida Water Management District	Percent compliance with 20-Year Water Use Permit (WUP) as scheduled	EF	↑	90%	100%	90%	100%	95%



## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

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

Objectives	Measures			FY 10-11	FY 11-12	FY 12-13	FY 12-13	FY 13-14
				Actual	Actual	Budget	Projection	Target
Comprehensive Development of Master Plan	Percentage of Comprehensive Development Master Plan comments submitted timely	EF	↑	90%	100%	90%	90%	90%
	Percentage of Development Impact Committee comments provided timely	EF	↑	90%	100%	90%	90%	90%

### DIVISION COMMENTS

- In FY 2013-14, 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
- In FY 2013-14, the New Customer Division will add three positions to improve customer service in the permitting process and meet the new business demands of the County (\$165,000)

### Department Operational Unmet Needs

Description	(dollars in thousands)		Positions
	Startup Costs/ Non Recurring Costs	Recurring Costs	
Fund two positions in the Information Technology Division to supports over a dozen critical custom in-house developed Oracle applications and databases	\$0	\$222	2
Fund nine positions in the New Customer Division to meet new customer demands	\$0	\$509	9
Fund one position in the System Implementation Division to support EAMS system	\$0	\$64	1
Fund one position in the Procurement Division to meet the demands for additional contracts	\$0	\$53	1
Fund six positions in the Planning Division to maintain and update the entire model for Water Transmission and Distribution System and perform other activities to ensure adequate water supply and compliance	\$0	\$431	6
Fund 15 positions in the Meter Installations and Maintenance Division to support sidewalk restoration and water meter repairs	\$0	\$570	15
Fund seven positions in the Water Transmission and Distribution Division to meet increase permit and restoration requirements and accelerate the removal of lead components	\$0	\$328	6
Fund 19 positions in the Water Production and Maintenance Division to maintain and restore the structures and equipment at the Water Treatment Plants and to support Infrared and Motor circuit evaluators	\$0	\$1,220	19
Fund 29 positions in the Pump Station Division to support the wetwell cleaning operations and other related Pump Station activities	\$0	\$1,825	29
Fund 30 positions in the Wastewater Collection and Transm Division to support the Pump Station Improvement Program	\$0	\$1,344	30
Fund 35 positions in the Wastewater Treatment and Maintenance Division to provide adequate mechanical staff and perform other related activities	\$0	\$2,012	35
<b>Total</b>	<b>\$0</b>	<b>\$8,578</b>	<b>153</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### CAPITAL BUDGET SUMMARY

(dollars in thousands)	PRIOR	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FUTURE	TOTAL
<b>Revenue</b>									
EPA Grant	3,881	0	0	0	0	0	0	0	3,881
Rock Mining Mitigation Fees	20,384	0	0	0	0	0	0	0	20,384
Wastewater Connection Charges	103,282	12,001	12,000	12,000	11,354	1,583	0	0	152,220
Water Connection Charges	19,857	479	0	0	0	0	0	0	20,336
Fire Hydrant Fund	12,825	2,000	2,500	2,500	2,500	2,500	3,000	6,717	34,542
HLD Special Construction Fund	74,146	0	0	0	0	0	0	0	74,146
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	160,786	40,000	40,000	40,000	40,000	40,000	39,725	222,480	622,991
Wastewater Special Construction Fund	1,346	300	400	500	500	500	500	0	4,046
Water Construction Fund	2,261	0	0	0	0	0	0	0	2,261
Water Renewal and Replacement Fund	133,927	30,000	40,000	40,000	40,000	40,000	37,874	1,692,500	2,054,301
Water Special Construction Fund	5,781	1,000	1,000	1,000	1,000	2,000	2,000	0	13,781
BBC GOB Financing	3,543	12,571	12,010	22,673	44,290	43,307	31,582	0	169,976
BBC GOB Series 2005A	16,277	0	0	0	0	0	0	0	16,277
BBC GOB Series 2008B	3,379	0	0	0	0	0	0	0	3,379
BBC GOB Series 2008B-1	8,595	0	0	0	0	0	0	0	8,595
BBC GOB Series 2011A	6,581	0	0	0	0	0	0	0	6,581
Future WASD Revenue Bonds	0	0	247,507	470,719	755,813	970,824	824,809	2,923,644	6,193,316
Hialeah Reverse Osmosis Plant Construction Fund	27,505	0	0	0	0	0	0	0	27,505
WASD 2013 Revenue Bond	300,000	0	0	0	0	0	0	0	300,000
WASD Revenue Bonds Sold	237,949	0	0	0	0	0	0	0	237,949
WASD Future Funding	0	0	0	0	0	0	0	2,666,745	2,666,745
Total:	1,144,318	98,351	355,417	589,392	895,457	1,100,714	939,490	7,512,086	12,635,225
<b>Expenditures</b>									
<b>Strategic Area: Neighborhood and Infrastructure</b>									
GOB Water and Wastewater Projects	42,256	12,571	12,010	22,673	44,290	43,307	31,582	0	208,689
Wastewater Projects	422,693	196,860	311,562	366,958	638,120	714,966	609,799	5,197,085	8,458,043
Water Projects	259,689	101,437	225,453	209,740	215,732	342,548	298,109	2,315,785	3,968,493
Total:	724,638	310,868	549,025	599,371	898,142	1,100,821	939,490	7,512,870	12,635,225

### 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; 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 2013-14, the Department will continue implementation of water system capital projects (\$101.437 million in FY 2013-14, \$3.968 billion all years); major water system projects include but not limited to Central Miami-Dade Water Transmission Mains Improvements, Water Distribution System Extension Enhancements, Water Treatment Plant - Floridian Reverse Osmosis, Water System Maintenance and Upgrades, and Safe Drinking Water Act Modifications
- In FY 2013-14, the Department will continue implementation of wastewater system capital projects (\$196.860 million in FY 2013-14, \$8.458 billion all years), major wastewater system projects include but not limited to 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 Stations Improvements, and Central District Wastewater Treatment Plant
- The FY 2013-14 Proposed Budget and Multi-Year Capital Plan includes \$70 million in the Renewal and Replacement fund for an enhanced program to expedite repairs, replacements, and rehabilitation of pipe infrastructure and plant facilities

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

- 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 \$2.9 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	11,583	4,017	0	0	0	0	0	0	15,600
Future WASD Revenue Bonds	0	0	1,865	1,441	105,801	101,550	75,483	1,306,445	1,592,585
WASD Future Funding	0	0	0	0	0	0	0	1,379,745	1,379,745
<b>TOTAL REVENUES:</b>	<b>11,583</b>	<b>4,017</b>	<b>1,865</b>	<b>1,441</b>	<b>105,801</b>	<b>101,550</b>	<b>75,483</b>	<b>2,686,190</b>	<b>2,987,930</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	0	1,521	182	140	10,316	9,901	7,360	261,904	291,324
Construction	0	14,079	1,683	1,300	95,485	91,649	68,124	2,424,286	2,696,606
<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>15,600</b>	<b>1,865</b>	<b>1,440</b>	<b>105,801</b>	<b>101,550</b>	<b>75,484</b>	<b>2,686,190</b>	<b>2,987,930</b>

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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	200	166	95	13,907	30,169	27,765	9,815	0	82,117
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
<b>TOTAL REVENUES:</b>	<b>6,747</b>	<b>166</b>	<b>95</b>	<b>13,907</b>	<b>30,169</b>	<b>27,765</b>	<b>9,815</b>	<b>0</b>	<b>88,664</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	649	0	0	225	0	0	0	0	874
Construction	6,098	166	95	13,600	30,169	27,765	9,815	0	87,708
Project Administration	0	0	0	82	0	0	0	0	82
<b>TOTAL EXPENDITURES:</b>	<b>6,747</b>	<b>166</b>	<b>95</b>	<b>13,907</b>	<b>30,169</b>	<b>27,765</b>	<b>9,815</b>	<b>0</b>	<b>88,664</b>

## FY 2013 - 14 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 District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Connection Charges	765	0	0	0	0	0	0	0	765
Future WASD Revenue Bonds	0	0	750	252	0	0	0	0	1,002
WASD 2013 Revenue Bond	750	0	0	0	0	0	0	0	750
WASD Revenue Bonds Sold	1,062	0	0	0	0	0	0	0	1,062
<b>TOTAL REVENUES:</b>	<b>2,577</b>	<b>0</b>	<b>750</b>	<b>252</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,579</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	1,827	750	750	252	0	0	0	0	3,579
<b>TOTAL EXPENDITURES:</b>	<b>1,827</b>	<b>750</b>	<b>750</b>	<b>252</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,579</b>

### 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 District Located: Countywide  
 Throughout Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	9,806	41,147	108,524	98,951	149,354	599,779	1,007,561
WASD 2013 Revenue Bond	8,404	0	0	0	0	0	0	0	8,404
WASD Revenue Bonds Sold	10,802	0	0	0	0	0	0	0	10,802
<b>TOTAL REVENUES:</b>	<b>19,206</b>	<b>0</b>	<b>9,806</b>	<b>41,147</b>	<b>108,524</b>	<b>98,951</b>	<b>149,354</b>	<b>599,779</b>	<b>1,026,767</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,053	819	957	4,011	10,581	9,648	14,562	58,479	100,110
Construction	9,749	7,585	8,849	37,136	97,943	89,303	134,792	541,300	926,657
<b>TOTAL EXPENDITURES:</b>	<b>10,802</b>	<b>8,404</b>	<b>9,806</b>	<b>41,147</b>	<b>108,524</b>	<b>98,951</b>	<b>149,354</b>	<b>599,779</b>	<b>1,026,767</b>

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 District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	595	4,029	6,754	4,026	4,028	2,790	3,882	0	26,104
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
<b>TOTAL REVENUES:</b>	<b>6,073</b>	<b>4,029</b>	<b>6,754</b>	<b>4,026</b>	<b>4,028</b>	<b>2,790</b>	<b>3,882</b>	<b>0</b>	<b>31,582</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Land/Building Acquisition	0	265	0	0	0	0	0	0	265
Planning and Design	1,937	405	164	13	0	0	0	0	2,519
Construction	4,136	2,958	6,516	4,013	4,028	2,790	3,882	0	28,323
Project Administration	0	401	74	0	0	0	0	0	475
<b>TOTAL EXPENDITURES:</b>	<b>6,073</b>	<b>4,029</b>	<b>6,754</b>	<b>4,026</b>	<b>4,028</b>	<b>2,790</b>	<b>3,882</b>	<b>0</b>	<b>31,582</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	1,006	195	0	0	0	0	0	0	1,201
Future WASD Revenue Bonds	0	0	9,708	16,481	33,716	31,076	6,057	0	97,038
WASD 2013 Revenue Bond	7,126	0	0	0	0	0	0	0	7,126
WASD Revenue Bonds Sold	1,403	0	0	0	0	0	0	0	1,403
<b>TOTAL REVENUES:</b>	<b>9,535</b>	<b>195</b>	<b>9,708</b>	<b>16,481</b>	<b>33,716</b>	<b>31,076</b>	<b>6,057</b>	<b>0</b>	<b>106,768</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	235	714	947	1,607	3,287	3,030	591	0	10,411
Construction	2,174	6,607	8,761	14,874	30,429	28,046	5,466	0	96,357
<b>TOTAL EXPENDITURES:</b>	<b>2,409</b>	<b>7,321</b>	<b>9,708</b>	<b>16,481</b>	<b>33,716</b>	<b>31,076</b>	<b>6,057</b>	<b>0</b>	<b>106,768</b>

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$1,200,000

### MUNI/WASD PROJECTS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 964490

DESCRIPTION: Replace and upgrade water distribution and sewer collection system  
 LOCATION: Various Sites District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	0	0	0	0	1,200	10,727	7,968	0	19,895
<b>TOTAL REVENUES:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200</b>	<b>10,727</b>	<b>7,968</b>	<b>0</b>	<b>19,895</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	0	0	0	0	0	1,100	2,100	0	3,200
Construction	0	0	0	0	1,200	9,627	5,868	0	16,695
<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200</b>	<b>10,727</b>	<b>7,968</b>	<b>0</b>	<b>19,895</b>

### FLORIDA AQUIFER W.T.P. (HIALEAH) - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 964520

DESCRIPTION: Construct a reverse osmosis water treatment plant in the City of Hialeah  
 LOCATION: Hialeah District Located: 13  
 Hialeah District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	0	500	0	0	0	0	0	0	500
BBC GOB Series 2005A	9,500	0	0	0	0	0	0	0	9,500
<b>TOTAL REVENUES:</b>	<b>9,500</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,000</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	9,500	500	0	0	0	0	0	0	10,000
<b>TOTAL EXPENDITURES:</b>	<b>9,500</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,000</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Miami Springs Water Construction Fund	687	0	0	0	0	0	0	0	687
<b>TOTAL REVENUES:</b>	<b>687</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>687</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	23	2	1	0	0	0	0	0	26
Construction	580	48	33	0	0	0	0	0	661
<b>TOTAL EXPENDITURES:</b>	<b>603</b>	<b>50</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>687</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	100	795	3,961	4,740	0	0	0	0	9,596
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
<b>TOTAL REVENUES:</b>	<b>724</b>	<b>795</b>	<b>3,961</b>	<b>4,740</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,220</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	620	0	0	0	0	0	0	0	620
Construction	104	795	3,961	4,740	0	0	0	0	9,600
<b>TOTAL EXPENDITURES:</b>	<b>724</b>	<b>795</b>	<b>3,961</b>	<b>4,740</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,220</b>

### WASTEWATER TREATMENT PLANTS EFFLUENT REUSE

PROJECT #: 965630

DESCRIPTION: Plan and construct facilities for an effluent reuse system at wastewater treatment plants  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	0	0	0	95,000	95,000
<b>TOTAL REVENUES:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>95,000</b>	<b>95,000</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	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
<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>95,000</b>	<b>95,000</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### SYSTEM ENHANCEMENTS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 966370

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

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	0	1,300	1,000	0	8,893	733	9,917	0	21,843
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
<b>TOTAL REVENUES:</b>	<b>4,412</b>	<b>1,300</b>	<b>1,000</b>	<b>0</b>	<b>8,893</b>	<b>733</b>	<b>9,917</b>	<b>0</b>	<b>26,255</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	198	0	0	0	0	0	0	0	198
Construction	4,214	1,300	1,000	0	8,893	733	9,917	0	26,057
<b>TOTAL EXPENDITURES:</b>	<b>4,412</b>	<b>1,300</b>	<b>1,000</b>	<b>0</b>	<b>8,893</b>	<b>733</b>	<b>9,917</b>	<b>0</b>	<b>26,255</b>

### 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 District Located: 6  
 Hialeah District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Connection Charges	9,286	100	0	0	0	0	0	0	9,386
Future WASD Revenue Bonds	0	0	0	0	0	0	0	18,915	18,915
Hialeah Reverse Osmosis Plant Construction Fund	27,505	0	0	0	0	0	0	0	27,505
WASD Revenue Bonds Sold	6,337	0	0	0	0	0	0	0	6,337
<b>TOTAL REVENUES:</b>	<b>43,128</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,915</b>	<b>62,143</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,277	12	0	0	0	0	0	564	1,853
Construction	41,547	392	0	0	0	0	0	18,351	60,290
<b>TOTAL EXPENDITURES:</b>	<b>42,824</b>	<b>404</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,915</b>	<b>62,143</b>

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

### WATER PIPES AND INFRASTRUCTURE PROJECTS

PROJECT #: 967190

DESCRIPTION: Replace pipe and construct infrastructure repairs  
 LOCATION: Countywide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	24,588	0	3,654	3,000	3,000	3,000	1,156	0	38,398
WASD Revenue Bonds Sold	13,025	0	0	0	0	0	0	0	13,025
<b>TOTAL REVENUES:</b>	<b>37,613</b>	<b>0</b>	<b>3,654</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>1,156</b>	<b>0</b>	<b>51,423</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,118	172	290	115	115	115	44	0	1,969
Construction	28,086	4,328	7,273	2,885	2,885	2,885	1,112	0	49,454
<b>TOTAL EXPENDITURES:</b>	<b>29,204</b>	<b>4,500</b>	<b>7,563</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>1,156</b>	<b>0</b>	<b>51,423</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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 District Located: 6  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	0	71	200	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
<b>TOTAL REVENUES:</b>	<b>567</b>	<b>71</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>838</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	567	71	200	0	0	0	0	0	838
<b>TOTAL EXPENDITURES:</b>	<b>567</b>	<b>71</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>838</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	40,919	1,151	1,276	0	0	0	0	0	43,346
Wastewater Renewal Fund	5,321	0	0	0	0	0	0	0	5,321
Future WASD Revenue Bonds	0	0	24,986	78,787	97,169	36,557	25,786	79,174	342,459
WASD 2013 Revenue Bond	22,355	0	0	0	0	0	0	0	22,355
WASD Revenue Bonds Sold	56,661	0	0	0	0	0	0	0	56,661
<b>TOTAL REVENUES:</b>	<b>125,256</b>	<b>1,151</b>	<b>26,262</b>	<b>78,787</b>	<b>97,169</b>	<b>36,557</b>	<b>25,786</b>	<b>79,174</b>	<b>470,142</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	7,922	3,131	3,134	8,379	9,474	3,564	2,514	7,720	45,838
Construction	73,338	28,982	29,007	77,562	87,696	32,993	23,272	71,454	424,304
<b>TOTAL EXPENDITURES:</b>	<b>81,260</b>	<b>32,113</b>	<b>32,141</b>	<b>85,941</b>	<b>97,170</b>	<b>36,557</b>	<b>25,786</b>	<b>79,174</b>	<b>470,142</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	16,250	3,000	3,000	3,000	3,000	3,000	3,000	0	34,250
WASD Revenue Bonds Sold	1,642	0	0	0	0	0	0	0	1,642
<b>TOTAL REVENUES:</b>	<b>17,892</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>	<b>35,892</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	2,859	479	479	479	479	479	480	0	5,734
Construction	15,033	2,521	2,521	2,521	2,521	2,521	2,520	0	30,158
<b>TOTAL EXPENDITURES:</b>	<b>17,892</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>	<b>35,892</b>



## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### NW WELLFIELD LAND BUFFER ACQUISITION - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 969080

DESCRIPTION: Expand the Northwest wellfield (NWWF) sludge lagoon; acquire a back-up raw water main from Miami Springs to the NWWF; and construct other wellfield improvements

LOCATION:	Various Sites	District Located:	6, 12
	Various Sites	District(s) Served:	Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	0	11	0	0	0	1,292	0	0	1,303
BBC GOB Series 2005A	1,601	0	0	0	0	0	0	0	1,601
BBC GOB Series 2008B	427	0	0	0	0	0	0	0	427
BBC GOB Series 2008B-1	669	0	0	0	0	0	0	0	669
<b>TOTAL REVENUES:</b>	<b>2,697</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,292</b>	<b>0</b>	<b>0</b>	<b>4,000</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Land/Building Acquisition	2,697	11	0	0	0	1,292	0	0	4,000
<b>TOTAL EXPENDITURES:</b>	<b>2,697</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,292</b>	<b>0</b>	<b>0</b>	<b>4,000</b>

### MIAMI SPRINGS CONSTRUCTION FUND - WASTEWATER

PROJECT #: 969110

DESCRIPTION: Construct wastewater collection system improvements in Miami Springs

LOCATION:	Miami Springs	District Located:	6
	Miami Springs	District(s) Served:	6

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Miami Springs Wastewater Construction Fund	1,326	0	0	0	0	0	0	0	1,326
<b>TOTAL REVENUES:</b>	<b>1,326</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,326</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	72	10	10	20	10	11	0	0	133
Construction	647	90	90	180	90	96	0	0	1,193
<b>TOTAL EXPENDITURES:</b>	<b>719</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>100</b>	<b>107</b>	<b>0</b>	<b>0</b>	<b>1,326</b>

### 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	District Located:	8, 9
	Various Sites	District(s) Served:	Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
EPA Grant	3,881	0	0	0	0	0	0	0	3,881
BBC GOB Financing	2,648	5,699	0	0	0	0	0	0	8,347
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
<b>TOTAL REVENUES:</b>	<b>11,536</b>	<b>5,699</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,235</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Land/Building Acquisition	95	0	0	0	0	0	0	0	95
Planning and Design	2,036	0	0	0	0	0	0	0	2,036
Construction	9,405	5,699	0	0	0	0	0	0	15,104
<b>TOTAL EXPENDITURES:</b>	<b>11,536</b>	<b>5,699</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,235</b>



## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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 District Located: 7  
 Unincorporated Miami-Dade County District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	605	545	0	0	0	0	0	0	1,150
Future WASD Revenue Bonds	0	0	10,454	12,769	25,612	24,515	0	0	73,350
WASD 2013 Revenue Bond	12,245	0	0	0	0	0	0	0	12,245
WASD Revenue Bonds Sold	10,302	0	0	0	0	0	0	0	10,302
WASD Future Funding	0	0	0	0	0	0	0	331,395	331,395
<b>TOTAL REVENUES:</b>	<b>23,152</b>	<b>545</b>	<b>10,454</b>	<b>12,769</b>	<b>25,612</b>	<b>24,515</b>	<b>0</b>	<b>331,395</b>	<b>428,442</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	898	1,133	947	1,114	2,233	2,138	0	28,898	37,361
Construction	9,012	11,368	9,495	11,170	22,406	21,446	0	289,904	374,801
Equipment Acquisition	392	494	412	485	973	931	0	12,593	16,280
<b>TOTAL EXPENDITURES:</b>	<b>10,302</b>	<b>12,995</b>	<b>10,854</b>	<b>12,769</b>	<b>25,612</b>	<b>24,515</b>	<b>0</b>	<b>331,395</b>	<b>428,442</b>

### 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 District Located: 6  
 Hialeah District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	250	0	0	0	0	0	0	0	250
Future WASD Revenue Bonds	0	0	4,850	11,800	29,147	45,226	18,353	8,512	117,888
WASD 2013 Revenue Bond	2,750	0	0	0	0	0	0	0	2,750
WASD Revenue Bonds Sold	1,100	0	0	0	0	0	0	0	1,100
<b>TOTAL REVENUES:</b>	<b>4,100</b>	<b>0</b>	<b>4,850</b>	<b>11,800</b>	<b>29,147</b>	<b>45,226</b>	<b>18,353</b>	<b>8,512</b>	<b>121,988</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	255	695	1,124	2,735	6,756	10,483	4,254	1,973	28,275
Construction	469	1,280	2,069	5,033	12,431	19,289	7,828	3,630	52,029
Equipment Acquisition	376	1,025	1,657	4,032	9,960	15,454	6,271	2,909	41,684
<b>TOTAL EXPENDITURES:</b>	<b>1,100</b>	<b>3,000</b>	<b>4,850</b>	<b>11,800</b>	<b>29,147</b>	<b>45,226</b>	<b>18,353</b>	<b>8,512</b>	<b>121,988</b>

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$15,000,000

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### WELLFIELD IMPROVEMENTS

PROJECT #: 9650051

DESCRIPTION: Expand the Northwest Wellfield (NWWF) sludge lagoon  
 LOCATION: Systemwide District Located: 12  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
WASD 2013 Revenue Bond	500	0	0	0	0	0	0	0	500
<b>TOTAL REVENUES:</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	0	412	0	0	0	0	0	0	412
Construction	0	88	0	0	0	0	0	0	88
<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>

### WATER EQUIPMENT AND VEHICLES

PROJECT #: 9650141

DESCRIPTION: Acquire vehicles, equipment, and associated water system capital support materials  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	29,382	2,240	6,000	7,000	7,000	7,000	7,000	55,000	120,622
WASD Revenue Bonds Sold	53	0	0	0	0	0	0	0	53
<b>TOTAL REVENUES:</b>	<b>29,435</b>	<b>2,240</b>	<b>6,000</b>	<b>7,000</b>	<b>7,000</b>	<b>7,000</b>	<b>7,000</b>	<b>55,000</b>	<b>120,675</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Equipment Acquisition	20,968	7,508	9,199	7,000	7,000	7,000	7,000	55,000	120,675
<b>TOTAL EXPENDITURES:</b>	<b>20,968</b>	<b>7,508</b>	<b>9,199</b>	<b>7,000</b>	<b>7,000</b>	<b>7,000</b>	<b>7,000</b>	<b>55,000</b>	<b>120,675</b>

### 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 District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	10,729	1,474	2,000	1,000	1,000	1,000	1,000	0	18,203
Future WASD Revenue Bonds	0	0	6,876	6,500	5,049	3,045	3,045	0	24,515
WASD 2013 Revenue Bond	1,500	0	0	0	0	0	0	0	1,500
WASD Revenue Bonds Sold	310	0	0	0	0	0	0	0	310
<b>TOTAL REVENUES:</b>	<b>12,539</b>	<b>1,474</b>	<b>8,876</b>	<b>7,500</b>	<b>6,049</b>	<b>4,045</b>	<b>4,045</b>	<b>0</b>	<b>44,528</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	396	231	725	443	357	239	239	0	2,630
Equipment Acquisition	6,311	3,682	11,544	7,057	5,692	3,806	3,806	0	41,898
<b>TOTAL EXPENDITURES:</b>	<b>6,707</b>	<b>3,913</b>	<b>12,269</b>	<b>7,500</b>	<b>6,049</b>	<b>4,045</b>	<b>4,045</b>	<b>0</b>	<b>44,528</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### WATER SYSTEM MAINTENANCE AND UPGRADES

PROJECT #: 9650181

DESCRIPTION: Maintain and develop existing water system facilities, structures, and equipment  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	28,785	14,548	24,346	25,000	25,000	25,000	25,000	162,500	330,179
WASD Revenue Bonds Sold	6,593	0	0	0	0	0	0	0	6,593
<b>TOTAL REVENUES:</b>	<b>35,378</b>	<b>14,548</b>	<b>24,346</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>162,500</b>	<b>336,772</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,348	906	1,593	1,295	1,295	1,295	1,295	8,418	17,445
Construction	24,680	16,579	29,166	23,705	23,705	23,705	23,705	154,082	319,327
<b>TOTAL EXPENDITURES:</b>	<b>26,028</b>	<b>17,485</b>	<b>30,759</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>162,500</b>	<b>336,772</b>

### GRAVITY SEWER RENOVATIONS

PROJECT #: 9650201

DESCRIPTION: Rehabilitate gravity sewers to reduce infiltration and inflow  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	9,016	0	0	0	0	0	0	0	9,016
Future WASD Revenue Bonds	0	0	1,000	3,403	4,000	1,458	0	0	9,861
WASD 2013 Revenue Bond	7,200	0	0	0	0	0	0	0	7,200
WASD Revenue Bonds Sold	492	0	0	0	0	0	0	0	492
<b>TOTAL REVENUES:</b>	<b>16,708</b>	<b>0</b>	<b>1,000</b>	<b>3,403</b>	<b>4,000</b>	<b>1,458</b>	<b>0</b>	<b>0</b>	<b>26,569</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	9,508	4,700	3,500	3,403	4,000	1,458	0	0	26,569
<b>TOTAL EXPENDITURES:</b>	<b>9,508</b>	<b>4,700</b>	<b>3,500</b>	<b>3,403</b>	<b>4,000</b>	<b>1,458</b>	<b>0</b>	<b>0</b>	<b>26,569</b>

### 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 District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	2,636	0	0	0	0	0	0	0	2,636
Wastewater Special Construction Fund	1,346	300	400	500	500	500	500	0	4,046
WASD Revenue Bonds Sold	53	0	0	0	0	0	0	0	53
<b>TOTAL REVENUES:</b>	<b>4,035</b>	<b>300</b>	<b>400</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>0</b>	<b>6,735</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	162	12	16	20	20	20	20	0	270
Construction	3,873	288	384	480	480	480	480	0	6,465
<b>TOTAL EXPENDITURES:</b>	<b>4,035</b>	<b>300</b>	<b>400</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>0</b>	<b>6,735</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATION IMPROVEMENTS

PROJECT #: 9650241

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	District Located: Systemwide	
City of Miami	District(s) Served: Systemwide	

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	0	1,939	7,160	7,500	8,752	1,583	0	0	26,934
Wastewater Renewal Fund	258	864	0	0	0	0	0	0	1,122
Future WASD Revenue Bonds	0	0	1,347	5,542	4,286	16,472	3,278	0	30,925
WASD 2013 Revenue Bond	181	0	0	0	0	0	0	0	181
WASD Revenue Bonds Sold	1,328	0	0	0	0	0	0	0	1,328
WASD Future Funding	0	0	0	0	0	0	0	100,828	100,828
<b>TOTAL REVENUES:</b>	<b>1,767</b>	<b>2,803</b>	<b>8,507</b>	<b>13,042</b>	<b>13,038</b>	<b>18,055</b>	<b>3,278</b>	<b>100,828</b>	<b>161,318</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Land/Building Acquisition	53	129	192	567	624	722	131	4,033	6,451
Planning and Design	53	130	192	567	624	722	131	4,033	6,452
Construction	1,169	2,853	4,214	12,474	13,751	15,889	2,885	88,729	141,964
Equipment Acquisition	53	130	191	567	624	722	131	4,033	6,451
<b>TOTAL EXPENDITURES:</b>	<b>1,328</b>	<b>3,242</b>	<b>4,789</b>	<b>14,175</b>	<b>15,623</b>	<b>18,055</b>	<b>3,278</b>	<b>100,828</b>	<b>161,318</b>

Estimated Annual Operating Impact will begin in FY 2018-19 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	District Located: Systemwide	
Various Sites	District(s) Served: Systemwide	

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	1,742	7,622	8,150	10,814	13,550	8,829	50,707
WASD 2013 Revenue Bond	50	0	0	0	0	0	0	0	50
WASD Future Funding	0	0	0	0	0	0	0	23,500	23,500
<b>TOTAL REVENUES:</b>	<b>50</b>	<b>0</b>	<b>1,742</b>	<b>7,622</b>	<b>8,150</b>	<b>10,814</b>	<b>13,550</b>	<b>32,329</b>	<b>74,257</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Land/Building Acquisition	0	2	82	359	384	510	638	1,522	3,497
Planning and Design	0	3	101	444	475	630	790	1,885	4,328
Construction	0	45	1,559	6,818	7,291	9,674	12,122	28,923	66,432
<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>50</b>	<b>1,742</b>	<b>7,621</b>	<b>8,150</b>	<b>10,814</b>	<b>13,550</b>	<b>32,330</b>	<b>74,257</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### WASTEWATER EQUIPMENT AND VEHICLES

PROJECT #: 9650301

DESCRIPTION: Acquire vehicles, equipment, and associated wastewater system capital support materials  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	28,942	10,837	9,000	8,000	8,000	8,000	8,000	59,980	140,759
<b>TOTAL REVENUES:</b>	<b>28,942</b>	<b>10,837</b>	<b>9,000</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>	<b>59,980</b>	<b>140,759</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Equipment Acquisition	23,175	16,604	9,000	8,000	8,000	8,000	8,000	59,980	140,759
<b>TOTAL EXPENDITURES:</b>	<b>23,175</b>	<b>16,604</b>	<b>9,000</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>	<b>59,980</b>	<b>140,759</b>

### WASTEWATER SYSTEM MAINTENANCE AND UPGRADES

PROJECT #: 9650361

DESCRIPTION: Maintain and develop existing wastewater system facilities, structures, and equipment  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	25,931	7,717	20,000	20,000	20,000	20,000	20,000	162,500	296,148
WASD Revenue Bonds Sold	2,796	0	0	0	0	0	0	0	2,796
<b>TOTAL REVENUES:</b>	<b>28,727</b>	<b>7,717</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>162,500</b>	<b>298,944</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	3,531	1,775	3,629	3,166	3,166	3,166	3,166	25,724	47,323
Construction	18,775	9,438	19,296	16,834	16,834	16,834	16,834	136,776	251,621
<b>TOTAL EXPENDITURES:</b>	<b>22,306</b>	<b>11,213</b>	<b>22,925</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>162,500</b>	<b>298,944</b>

### LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS

PROJECT #: 9650371

DESCRIPTION: Repair, replace, and upgrade existing lift stations throughout the wastewater system  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	8,700	2,674	2,000	2,000	2,000	2,000	1,725	0	21,099
Future WASD Revenue Bonds	0	0	11,056	11,791	13,241	8,213	0	0	44,301
WASD 2013 Revenue Bond	5,072	0	0	0	0	0	0	0	5,072
WASD Revenue Bonds Sold	1,857	0	0	0	0	0	0	0	1,857
<b>TOTAL REVENUES:</b>	<b>15,629</b>	<b>2,674</b>	<b>13,056</b>	<b>13,791</b>	<b>15,241</b>	<b>10,213</b>	<b>1,725</b>	<b>0</b>	<b>72,329</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	903	709	1,150	1,215	1,343	900	152	0	6,372
Construction	9,357	7,334	11,906	12,576	13,898	9,313	1,573	0	65,957
<b>TOTAL EXPENDITURES:</b>	<b>10,260</b>	<b>8,043</b>	<b>13,056</b>	<b>13,791</b>	<b>15,241</b>	<b>10,213</b>	<b>1,725</b>	<b>0</b>	<b>72,329</b>

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

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Special Construction Fund	5,781	1,000	1,000	1,000	1,000	2,000	2,000	0	13,781
<b>TOTAL REVENUES:</b>	<b>5,781</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>	<b>13,781</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	5,781	1,000	1,000	1,000	1,000	2,000	2,000	0	13,781
<b>TOTAL EXPENDITURES:</b>	<b>5,781</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>	<b>13,781</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	968	0	0	0	0	0	0	0	968
Future WASD Revenue Bonds	0	0	5,430	3,200	3,800	6,622	0	0	19,052
WASD 2013 Revenue Bond	1,050	0	0	0	0	0	0	0	1,050
WASD Revenue Bonds Sold	172	0	0	0	0	0	0	0	172
<b>TOTAL REVENUES:</b>	<b>2,190</b>	<b>0</b>	<b>5,430</b>	<b>3,200</b>	<b>3,800</b>	<b>6,622</b>	<b>0</b>	<b>0</b>	<b>21,242</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	45	42	217	128	151	264	0	0	847
Construction	749	689	3,565	2,101	2,495	4,347	0	0	13,946
Equipment Acquisition	346	319	1,648	971	1,154	2,011	0	0	6,449
<b>TOTAL EXPENDITURES:</b>	<b>1,140</b>	<b>1,050</b>	<b>5,430</b>	<b>3,200</b>	<b>3,800</b>	<b>6,622</b>	<b>0</b>	<b>0</b>	<b>21,242</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	3,419	0	0	0	0	0	0	0	3,419
Wastewater Renewal Fund	1,410	0	0	0	0	0	0	0	1,410
Future WASD Revenue Bonds	0	0	0	50,000	25,000	25,000	0	0	100,000
WASD 2013 Revenue Bond	82,600	0	0	0	0	0	0	0	82,600
WASD Revenue Bonds Sold	10,190	0	0	0	0	0	0	0	10,190
<b>TOTAL REVENUES:</b>	<b>97,619</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>197,619</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	2,379	2,788	10,296	7,920	3,960	3,960	0	0	31,303
Construction	12,640	14,812	54,704	42,080	21,040	21,040	0	0	166,316
<b>TOTAL EXPENDITURES:</b>	<b>15,019</b>	<b>17,600</b>	<b>65,000</b>	<b>50,000</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>197,619</b>



## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### WATER ENGINEERING STUDIES

PROJECT #: 9652001

DESCRIPTION: Conduct engineering studies to facilitate improvements to water treatment plants, wellfields, transmission, and distribution systems  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
WASD 2013 Revenue Bond	25	0	0	0	0	0	0	0	25
WASD Revenue Bonds Sold	225	0	0	0	0	0	0	0	225
<b>TOTAL REVENUES:</b>	<b>250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	225	25	0	0	0	0	0	0	250
<b>TOTAL EXPENDITURES:</b>	<b>225</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	3,714	6,160	13,403	10,366	2,760	0	36,403
WASD 2013 Revenue Bond	1,064	0	0	0	0	0	0	0	1,064
WASD Revenue Bonds Sold	1,100	0	0	0	0	0	0	0	1,100
<b>TOTAL REVENUES:</b>	<b>2,164</b>	<b>0</b>	<b>3,714</b>	<b>6,160</b>	<b>13,403</b>	<b>10,366</b>	<b>2,760</b>	<b>0</b>	<b>38,567</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	62	59	207	343	747	577	154	0	2,149
Construction	1,039	1,004	3,507	5,817	12,656	9,789	2,606	0	36,418
<b>TOTAL EXPENDITURES:</b>	<b>1,101</b>	<b>1,063</b>	<b>3,714</b>	<b>6,160</b>	<b>13,403</b>	<b>10,366</b>	<b>2,760</b>	<b>0</b>	<b>38,567</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	1,097	0	0	0	0	0	0	0	1,097
Future WASD Revenue Bonds	0	0	2,061	4,482	2,577	0	0	0	9,120
WASD 2013 Revenue Bond	2,000	0	0	0	0	0	0	0	2,000
WASD Revenue Bonds Sold	457	0	0	0	0	0	0	0	457
<b>TOTAL REVENUES:</b>	<b>3,554</b>	<b>0</b>	<b>2,061</b>	<b>4,482</b>	<b>2,577</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,674</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	108	36	249	314	180	0	0	0	887
Construction	507	171	1,175	1,479	851	0	0	0	4,183
Equipment Acquisition	921	311	2,137	2,689	1,546	0	0	0	7,604
<b>TOTAL EXPENDITURES:</b>	<b>1,536</b>	<b>518</b>	<b>3,561</b>	<b>4,482</b>	<b>2,577</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,674</b>

## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Future WSD Revenue Bonds	0	0	2,954	4,687	909	0	0	0	8,550
WASD 2013 Revenue Bond	700	0	0	0	0	0	0	0	700
WASD Future Funding	0	0	0	0	0	0	0	7,500	7,500
<b>TOTAL REVENUES:</b>	<b>700</b>	<b>0</b>	<b>2,954</b>	<b>4,687</b>	<b>909</b>	<b>0</b>	<b>0</b>	<b>7,500</b>	<b>16,750</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	0	42	177	281	55	0	0	450	1,005
Construction	0	630	2,659	4,218	818	0	0	6,750	15,075
Equipment Acquisition	0	28	118	188	36	0	0	300	670
<b>TOTAL EXPENDITURES:</b>	<b>0</b>	<b>700</b>	<b>2,954</b>	<b>4,687</b>	<b>909</b>	<b>0</b>	<b>0</b>	<b>7,500</b>	<b>16,750</b>

### 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      District Located: Systemwide  
                   Various Sites                                      District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	1,912	944	3,564	4,500	2,602	0	0	0	13,522
Future WSD Revenue Bonds	0	0	1,465	0	2,493	19,437	0	0	23,395
WASD 2013 Revenue Bond	2,128	0	0	0	0	0	0	0	2,128
WASD Revenue Bonds Sold	400	0	0	0	0	0	0	0	400
WASD Future Funding	0	0	0	0	0	0	0	36,482	36,482
<b>TOTAL REVENUES:</b>	<b>4,440</b>	<b>944</b>	<b>5,029</b>	<b>4,500</b>	<b>5,095</b>	<b>19,437</b>	<b>0</b>	<b>36,482</b>	<b>75,927</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	400	3,984	5,029	5,500	5,095	19,437	0	36,482	75,927
<b>TOTAL EXPENDITURES:</b>	<b>400</b>	<b>3,984</b>	<b>5,029</b>	<b>5,500</b>	<b>5,095</b>	<b>19,437</b>	<b>0</b>	<b>36,482</b>	<b>75,927</b>

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      District Located: Systemwide  
                   Various Sites                                      District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	2,270	0	0	0	0	0	0	0	2,270
Future WSD Revenue Bonds	0	0	700	700	872	0	0	0	2,272
WASD Revenue Bonds Sold	1,082	0	0	0	0	0	0	0	1,082
<b>TOTAL REVENUES:</b>	<b>3,352</b>	<b>0</b>	<b>700</b>	<b>700</b>	<b>872</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,624</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,214	227	301	301	375	0	0	0	2,418
Construction	1,610	301	399	399	497	0	0	0	3,206
<b>TOTAL EXPENDITURES:</b>	<b>2,824</b>	<b>528</b>	<b>700</b>	<b>700</b>	<b>872</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,624</b>

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

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### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Connection Charges	9,806	379	0	0	0	0	0	0	10,185
Fire Hydrant Fund	1,000	0	0	0	0	0	0	0	1,000
Water Construction Fund	1,917	0	0	0	0	0	0	0	1,917
Future WASD Revenue Bonds	0	0	3,630	42,877	28,036	3,719	0	0	78,262
WASD 2013 Revenue Bond	23,445	0	0	0	0	0	0	0	23,445
WASD Revenue Bonds Sold	10,676	0	0	0	0	0	0	0	10,676
WASD Future Funding	0	0	0	0	0	0	0	63,600	63,600
<b>TOTAL REVENUES:</b>	<b>46,844</b>	<b>379</b>	<b>3,630</b>	<b>42,877</b>	<b>28,036</b>	<b>3,719</b>	<b>0</b>	<b>63,600</b>	<b>189,085</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,287	148	1,398	2,388	1,561	207	0	3,543	10,532
Construction	21,816	2,513	23,692	40,489	26,474	3,512	0	60,057	178,553
<b>TOTAL EXPENDITURES:</b>	<b>23,103</b>	<b>2,661</b>	<b>25,090</b>	<b>42,877</b>	<b>28,035</b>	<b>3,719</b>	<b>0</b>	<b>63,600</b>	<b>189,085</b>

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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	1,558	1	0	0	0	0	0	0	1,559
Future WASD Revenue Bonds	0	0	9,450	16,175	10,700	24,433	4,000	4,022	68,780
WASD 2013 Revenue Bond	2,500	0	0	0	0	0	0	0	2,500
WASD Future Funding	0	0	0	0	0	0	0	74,500	74,500
<b>TOTAL REVENUES:</b>	<b>4,058</b>	<b>1</b>	<b>9,450</b>	<b>16,175</b>	<b>10,700</b>	<b>24,433</b>	<b>4,000</b>	<b>78,522</b>	<b>147,339</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Land/Building Acquisition	78	125	473	809	535	1,222	200	3,926	7,368
Planning and Design	187	300	1,134	1,941	1,284	2,932	480	9,423	17,681
Construction	1,293	2,076	7,843	13,425	8,881	20,279	3,320	65,173	122,290
<b>TOTAL EXPENDITURES:</b>	<b>1,558</b>	<b>2,501</b>	<b>9,450</b>	<b>16,175</b>	<b>10,700</b>	<b>24,433</b>	<b>4,000</b>	<b>78,522</b>	<b>147,339</b>

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

## FY 2013 - 14 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 District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	14,760	12,601	6,000	7,000	7,000	7,000	7,000	0	61,361
Future WASD Revenue Bonds	0	0	4,289	4,288	4,289	4,289	5,434	0	22,589
WASD 2013 Revenue Bond	3,680	0	0	0	0	0	0	0	3,680
WASD Revenue Bonds Sold	637	0	0	0	0	0	0	0	637
WASD Future Funding	0	0	0	0	0	0	0	5,165	5,165
<b>TOTAL REVENUES:</b>	<b>19,077</b>	<b>12,601</b>	<b>10,289</b>	<b>11,288</b>	<b>11,289</b>	<b>11,289</b>	<b>12,434</b>	<b>5,165</b>	<b>93,432</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	2,067	3,048	1,693	1,831	1,831	1,831	2,017	838	15,156
Construction	10,678	15,741	8,741	9,457	9,458	9,457	10,417	4,327	78,276
<b>TOTAL EXPENDITURES:</b>	<b>12,745</b>	<b>18,789</b>	<b>10,434</b>	<b>11,288</b>	<b>11,289</b>	<b>11,288</b>	<b>12,434</b>	<b>5,165</b>	<b>93,432</b>

### SANITARY SEWER SYSTEM EXTENSION

PROJECT #: 9653281

DESCRIPTION: Extend sewer system lines to include the existing sanitary sewer needs assessment  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	17,954	100	0	0	0	0	0	0	18,054
Future WASD Revenue Bonds	0	0	1,835	2,113	2,113	2,113	4,113	392,038	404,325
WASD 2013 Revenue Bond	4,818	0	0	0	0	0	0	0	4,818
WASD Revenue Bonds Sold	2,447	0	0	0	0	0	0	0	2,447
<b>TOTAL REVENUES:</b>	<b>25,219</b>	<b>100</b>	<b>1,835</b>	<b>2,113</b>	<b>2,113</b>	<b>2,113</b>	<b>4,113</b>	<b>392,038</b>	<b>429,644</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	2,199	530	198	228	228	228	443	42,261	46,315
Construction	18,202	4,388	1,637	1,885	1,885	1,886	3,669	349,777	383,329
<b>TOTAL EXPENDITURES:</b>	<b>20,401</b>	<b>4,918</b>	<b>1,835</b>	<b>2,113</b>	<b>2,113</b>	<b>2,114</b>	<b>4,112</b>	<b>392,038</b>	<b>429,644</b>

### WATER DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS

PROJECT #: 9653311

DESCRIPTION: Install various water mains throughout the distribution system  
 LOCATION: Systemwide District Located: Systemwide  
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	36,938	9,183	2,000	2,000	2,000	2,000	2,000	1,475,000	1,531,121
Future WASD Revenue Bonds	0	0	14,786	39,550	21,990	27,521	24,426	47,199	175,472
WASD 2013 Revenue Bond	39,480	0	0	0	0	0	0	0	39,480
WASD Revenue Bonds Sold	10,731	0	0	0	0	0	0	0	10,731
<b>TOTAL REVENUES:</b>	<b>87,149</b>	<b>9,183</b>	<b>16,786</b>	<b>41,550</b>	<b>23,990</b>	<b>29,521</b>	<b>26,426</b>	<b>1,522,199</b>	<b>1,756,804</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	6,062	3,304	5,487	5,456	3,150	3,876	3,470	199,865	230,670
Construction	40,108	21,859	36,298	36,094	20,840	25,645	22,956	1,322,334	1,526,134
<b>TOTAL EXPENDITURES:</b>	<b>46,170</b>	<b>25,163</b>	<b>41,785</b>	<b>41,550</b>	<b>23,990</b>	<b>29,521</b>	<b>26,426</b>	<b>1,522,199</b>	<b>1,756,804</b>

## FY 2013 - 14 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	22,061	937	0	0	0	0	0	0	22,998
Wastewater Renewal Fund	16,473	0	0	0	0	0	0	0	16,473
Future WASD Revenue Bonds	0	0	61,448	33,817	122,363	204,364	190,547	207,927	820,466
WASD 2013 Revenue Bond	813	0	0	0	0	0	0	0	813
WASD Revenue Bonds Sold	644	0	0	0	0	0	0	0	644
WASD Future Funding	0	0	0	0	0	0	0	6,000	6,000
<b>TOTAL REVENUES:</b>	<b>39,991</b>	<b>937</b>	<b>61,448</b>	<b>33,817</b>	<b>122,363</b>	<b>204,364</b>	<b>190,547</b>	<b>213,927</b>	<b>867,394</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	2,137	1,614	6,070	3,308	11,796	19,700	18,369	20,622	83,616
Construction	20,036	15,136	56,889	31,003	110,567	184,664	172,178	193,305	783,778
<b>TOTAL EXPENDITURES:</b>	<b>22,173</b>	<b>16,750</b>	<b>62,959</b>	<b>34,311</b>	<b>122,363</b>	<b>204,364</b>	<b>190,547</b>	<b>213,927</b>	<b>867,394</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	115	0	0	0	0	0	0	0	115
Future WASD Revenue Bonds	0	0	1,000	1,500	3,000	2,000	0	0	7,500
WASD Revenue Bonds Sold	9,461	0	0	0	0	0	0	0	9,461
<b>TOTAL REVENUES:</b>	<b>9,576</b>	<b>0</b>	<b>1,000</b>	<b>1,500</b>	<b>3,000</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>17,076</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	94	1	10	15	30	20	0	0	170
Construction	9,367	114	990	1,485	2,970	1,980	0	0	16,906
<b>TOTAL EXPENDITURES:</b>	<b>9,461</b>	<b>115</b>	<b>1,000</b>	<b>1,500</b>	<b>3,000</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>17,076</b>



## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	2,689	0	0	0	0	0	0	0	2,689
Future WASD Revenue Bonds	0	0	11,260	8,160	4,788	5,710	4,700	0	34,618
WASD 2013 Revenue Bond	2,464	0	0	0	0	0	0	0	2,464
WASD Revenue Bonds Sold	300	0	0	0	0	0	0	0	300
WASD Future Funding	0	0	0	0	0	0	0	453,430	453,430
<b>TOTAL REVENUES:</b>	<b>5,453</b>	<b>0</b>	<b>11,260</b>	<b>8,160</b>	<b>4,788</b>	<b>5,710</b>	<b>4,700</b>	<b>453,430</b>	<b>493,501</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	243	246	1,009	731	429	512	421	40,627	44,218
Construction	2,468	2,496	10,251	7,429	4,359	5,198	4,279	412,803	449,283
<b>TOTAL EXPENDITURES:</b>	<b>2,711</b>	<b>2,742</b>	<b>11,260</b>	<b>8,160</b>	<b>4,788</b>	<b>5,710</b>	<b>4,700</b>	<b>453,430</b>	<b>493,501</b>

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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Fire Hydrant Fund	11,825	2,000	2,500	2,500	2,500	2,500	3,000	6,717	33,542
<b>TOTAL REVENUES:</b>	<b>11,825</b>	<b>2,000</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>3,000</b>	<b>6,717</b>	<b>33,542</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,065	193	241	241	241	241	289	723	3,234
Construction	9,977	1,807	2,259	2,259	2,259	2,259	2,711	6,777	30,308
<b>TOTAL EXPENDITURES:</b>	<b>11,042</b>	<b>2,000</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>3,000</b>	<b>7,500</b>	<b>33,542</b>

### 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: Systemwide  
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	692	3,581	2,732	0	0	0	7,005
WASD Revenue Bonds Sold	2,690	0	0	0	0	0	0	0	2,690
<b>TOTAL REVENUES:</b>	<b>2,690</b>	<b>0</b>	<b>692</b>	<b>3,581</b>	<b>2,732</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,695</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	322	0	83	428	326	0	0	0	1,159
Construction	2,368	0	609	3,153	2,406	0	0	0	8,536
<b>TOTAL EXPENDITURES:</b>	<b>2,690</b>	<b>0</b>	<b>692</b>	<b>3,581</b>	<b>2,732</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,695</b>





## FY 2013 - 14 Proposed Budget and Multi-Year Capital Plan

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Renewal and Replacement Fund	2,650	1,500	2,000	2,000	2,000	2,000	1,718	0	13,868
Future WASD Revenue Bonds	0	0	433	433	433	433	0	0	1,732
WASD 2013 Revenue Bond	433	0	0	0	0	0	0	0	433
WASD Revenue Bonds Sold	282	0	0	0	0	0	0	0	282
<b>TOTAL REVENUES:</b>	<b>3,365</b>	<b>1,500</b>	<b>2,433</b>	<b>2,433</b>	<b>2,433</b>	<b>2,433</b>	<b>1,718</b>	<b>0</b>	<b>16,315</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	2,932	1,933	2,433	2,433	2,433	2,433	1,718	0	16,315
<b>TOTAL EXPENDITURES:</b>	<b>2,932</b>	<b>1,933</b>	<b>2,433</b>	<b>2,433</b>	<b>2,433</b>	<b>2,433</b>	<b>1,718</b>	<b>0</b>	<b>16,315</b>

### 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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	4,181	2,818	0	0	0	0	0	0	6,999
HLD Special Construction Fund	74,146	0	0	0	0	0	0	0	74,146
Wastewater Renewal Fund	2,110	0	0	0	0	0	0	0	2,110
WASD Revenue Bonds Sold	46,799	0	0	0	0	0	0	0	46,799
<b>TOTAL REVENUES:</b>	<b>127,236</b>	<b>2,818</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130,054</b>
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,930	98	0	0	0	0	0	0	2,028
Construction	121,846	6,180	0	0	0	0	0	0	128,026
<b>TOTAL EXPENDITURES:</b>	<b>123,776</b>	<b>6,278</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130,054</b>

Estimated Annual Operating Impact will begin in FY 2013-14 in the amount of \$1,000,000

