

Water and Sewer Department  
Budget Meeting  
FY 2012-13  
March 26, 2012

Table of Contents

<u>Description</u>	<u>Page(s)</u>
Departmental Issues.....	1
Revenue Overview .....	2
Expenditure Overview.....	3-4
Department Reorganization/Position Changes.....	5
Capital.....	6
General Overview.....	7-9
Capital Project Detail.....	10-34
Appropriation Report 720.....	35-40
Departmental Scorecard.....	41-46

# WATER AND SEWER FY 2012-13 DEPARTMENT BUDGET PRESENTATION

## FY 2012-13 DEPARTMENTAL ISSUES

*	MDWASD Multi-Year Capital Improvement Plan (CIP) FY12-18 is \$6 billion dollars combined for Water and Sewer Operations. Water accounts for \$1.9 billion dollars while Sewer accounts for \$4.1 billion dollars of the budget. Unfunded capital needs are \$4.9 billion dollars. The current FY11-12 projection is \$206.5 million dollars and FY12-13 is proposed to be \$210.2 million dollars.
*	MDWASD top priority projects are: Wastewater Government Cut with projected expenditures of \$30.9 million in FY11-12 and \$11.8 million in FY12-13. Water Government Cut with projected expenditures of \$3 million in FY11-12 and \$2.9 million in FY12-13. Wastewater Treatment Plants (COGEN) with projected expenditures of \$11 million in FY11-12 and \$8.9 million in FY12-13. Wastewater Treatment Plant- High Level Disinfection with projected expenditures of \$9.8 million in FY 11-12 and \$18.5 million in FY12-13. Pump Station 8 Brickell with projected expenditures of \$2.2 million in FY11-12 and \$15.3 million FY12-13.
*	The Department is not requesting a retail rate increase for FY 2012-13. However in order to fund the Multi-Year Capital Improvement Plan future rate increases will be required. The Department is currently projecting to request a 9% increase to the average customer in FY 2013-14 and 6% annual rate increases in each future fiscal year through FY 2016-17.
*	Ocean Outfall - The Legislature failed to adopt amendments to the statute requiring the Department to abandon use of its ocean outfalls by 2025, so it will be necessary to submit a plan by July of 2013. The Department will recommend that amendments again be considered by the Legislature next year that would reduce the Department's capital cost of compliance by more than \$820 million. Compliance with these requirements will constitute the Department's largest capital project costs in the 2015 to 2025 timeframe.
*	Consent Order - The U.S. Environmental Protection Agency (EPA) and Florida Department of Environmental Protection have initiated discussions upon which to establish a new consent order focusing on infrastructure upgrades for the Department's wastewater facilities and collection system. This is expected to include specific infrastructure replacement projects, schedules, and financing plans with stipulated penalties for failure to comply with the conditions of the consent order. It is expected that these projects will tie to the Department's infrastructure replacement priority list. It will ultimately be considered by the Board of County Commissioners as an alternative to litigation.

## REVENUE OVERVIEW

FY 2011-12 Projections:	11-12 Budget	11-12 Projection	Variance from budget		Explanation of major variance
General Fund	\$0	\$0	N/A	0.00%	N/A
Federal/State	\$0	\$0	N/A	0.00%	N/A
Proprietary	\$595,872	\$614,096	\$18,224	3.06%	\$13 million increase in Projected Revenues at 100%; Budget required below anticipated receipts per State Statue, (Retail Revenues @98%; Wholesale Revenues @ 95%) \$15 million increase in Wholesale Revenues; Sewer wholesale rate increase adopted FY 2011-12 and Water wholesale consumption increase \$(7) million reduction in anticipated from W&S General Reserve \$(3) million reduction in anticipated from Interest Income
Interagency	N/A	N/A	N/A	0.00%	N/A
<b>FY 2011-12 Projections Totals:</b>	\$595,872	\$614,096	\$18,224	3.06%	
FY 2012-13 Budget:	11-12 Budget	12-13 Base	Variance from budget		Explanation of major variance
General Fund	\$0	\$0	N/A	0.00%	N/A
Federal/State	\$0	\$0	N/A	0.00%	N/A
Proprietary	\$595,872	\$605,518	\$9,646	1.62%	\$12M projected increase in Wholesale water revenues due to projected higher consumption & City of Hialeah water rate increase (5 year water transmission credit phase-out). \$5M increase in Retail Revenues due to projected higher consumption \$(5)M-Carryover FY12 EndReserve; \$(2.6)M-Interest Income; \$(400,000) from W&S Reserve
Interagency	N/A	N/A	N/A	0.00%	N/A
<b>FY 2012-13 Budget Totals:</b>	\$595,872	\$605,518	\$9,646	1.62%	

## EXPENDITURE OVERVIEW

FY 2011-12 Projections:	11-12 Budget	11-12 Projection	Variance from budget		Explanation of major variance
Salary	\$125,511	\$132,567	\$7,056	5.62%	\$4 million increase due to labor negotiations that did not occur per budget \$3 million increase due to phased-in of hiring of 188 vacant positions
Overtime Salary	\$7,642	\$9,551	\$1,909	24.98%	\$2 million increase is due to aging infrastructure that results in emergency repairs. Additionally, crews that are required to operate plants 24/7, hiring qualified candidates, lengthy hiring process, and phased-in hiring of vacant positions
Fringe	\$32,092	\$32,807	\$715	2.23%	\$715,000 increase due to labor negotiations that did not occur as budgeted
OT Fringe	\$0	\$0	N/A	0.00%	Included in Fringe above
Court Cost	\$0	\$0	N/A	0.00%	N/A
Contractual Services	\$78,289	\$69,231	(\$9,058)	-11.57%	\$(4) million savings in energy at treatment plants from alternative power resources (generator-diesel usage) \$(3.9) million savings in Professional/Consultant/Other Outside Contractual work \$(700,000) savings in security services \$(400,000) savings in Natural Gas from longer than expected downtime at Lime Plant
Other Operating	\$59,022	\$52,814	(\$6,208)	-10.52%	\$(3.1) million savings in chemicals from shared operational costs at the City of Hialeah Reverse Osmosis Plant that was projected to be operational in March 2012 and is now delayed until next fiscal year \$(3.1) million savings in construction materials and repairs
Charges for County Services	\$31,426	\$31,289	(\$137)	-0.44%	\$(137,000) savings related to survey work from United States Geological Survey
Grants to Outside Organization	\$0	\$0	N/A	0.00%	N/A
Capital	\$54,602	\$54,685	\$83	0.15%	\$83,000 of additional Fire Hydrant Fees
Transfer	\$0	\$25,000	N/A	0.00%	WASD loan to County General Fund
Distribution of Funds In Trust	\$0	\$0	N/A	0.00%	N/A
Debt Services	\$151,374	\$150,488	(\$886)	-0.59%	\$(886,000) – Bank of New York SWAP Receipts utilized to fund Debt Service payments projected to increase
Depreciation, Amortizations and Depletion	\$0	\$0	N/A	0.00%	N/A
Reserves	\$55,664	\$0	N/A	0.00%	Ending Reserve Required by Bond Ordinance
Other Non-Operating	\$250	\$0	N/A	0.00%	N/A
<b>FY 2011-12 Projections Totals:</b>	<b>\$595,872</b>	<b>\$558,432</b>	<b>(\$37,440)</b>	<b>-6.28%</b>	

## EXPENDITURE OVERVIEW

FY 2012-13 Budget:	11-12 Budget	12-13 Base	Variance from budget		Explanation of major variance
Salary	\$125,511	\$128,054	\$2,543	2.03%	Increase due to restoration of Merits/Longevity (\$2.1 million) AFSCME 121 and GSAF 100 (professional/ supervisory), and 24 part-time customer service positions \$3 million increase from a lower attrition rate of 3.6% vs. 5% \$(2.5) million savings from the elimination of positions
Overtime Salary	\$7,642	\$8,403	\$761	9.96%	Increase is anticipated to increase based on aging infrastructure and related emergency repairs. Additionally, crews required to operate plants 24/7, finding qualified candidates, lengthy hiring process, and phased-in hiring of vacant positions
Fringe	\$32,092	\$42,467	\$10,375	32.33%	Increase in Health Insurance Increase due to restoration of Merits/Longevity AFSCME 121 and GSAF 100 (professional/ supervisory), and 24 part-time customer service positions Lower attrition rate of 3.6 % vs. 5% Increase to Workman's Compensation Savings from the elimination of positions
OT Fringe	\$0	\$0	N/A	0.00%	Included in Fringes above
Court Cost	\$0	\$0	N/A	0.00%	N/A
Contractual Services	\$78,289	\$74,500	(\$3,789)	-4.84%	\$(4) million savings in energy at treatment plants from alternative power resources (generator-diesel usage)
Other Operating	\$59,022	\$61,887	\$2,865	4.85%	Increase in shared operational costs at the City of Hialeah Reverse Osmosis Plant Increase in Lime purchases are anticipated due to scheduled Lime plant repairs. Offset by savings from Fluorosilicic Acid as a result of change in water treatment process to remove Fluoride from water produced.
Charges for County Services	\$31,426	\$33,939	\$2,513	8.00%	\$1 million in GSA light vehicle repairs due to aging light fleet. \$600,000 increase in environmental payments to SPEED for shared United States Geological Surveys for water resources. \$900,000 increase in administrative reimbursement
Grants to Outside Organization	\$0	\$0	N/A	0.00%	N/A
Capital	\$54,602	\$47,712	(\$6,890)	-12.62%	FY 2013 Base decreases funding of Renewal and Replacement water and sewer funds in relation to budgeted Capital Improvement Plan
Transfer	\$0	\$0	N/A	0.00%	WASD is not anticipating Transfer /Loan to County
Distribution of Funds In Trust	\$0	\$0	N/A	0.00%	N/A
Debt Services	\$151,374	\$150,348	(\$1,026)	-0.68%	\$(1) million – final funding of Series 2003 Revenue Refunding Bond that will be defeased October 2014
Depreciation, Amortizations and Depletion	\$0	\$0	N/A	0.00%	N/A
Reserves	\$55,664	\$58,208	\$2,544	4.57%	Ending Reserve Required by Bond Ordinance requires an increase \$2.6 million in operating funds to maintain two months of budgeted O&M costs
Other Non-Operating	\$250	\$0	N/A	0.00%	N/A
<b>FY 2012-13 Budget Totals:</b>	<b>\$595,872</b>	<b>\$605,518</b>	<b>\$9,646</b>	<b>1.62%</b>	

## DEPARTMENT REORGANIZATION AND EFFICIENCIES

Discussion of TO Changes	WASD Table of Organization review includes the elimination of 85 positions in FY2012-13 as well as 193 positions eliminated in FY 2010-11; a combined reduction of 278 or 10% from FY 2010-11 to FY 2012-13
Position deletion and value	Eighty Five (85) vacant positions to be eliminated provide recurring savings of \$5.1 million, with impacts as shown below. ( Position list is available upon request )

### POSITION CHANGES

Activity (FY 2012-13)	Position +/-	Fiscal Impact & Justification
Support Services and Maintenance	-10	Support/Administrative reduction of 10 positions will impact maintenance of administrative work sites, mowing cycles, A/C maintenance work, equipment maintenance/repairs. The elimination of positions will also impact IT systems support such as, Oracle applications Enterprise Asset Management (EAMS), Customer Information Systems (CIS)
Water Production and Distribution	-14	Water System Activity reduction of 14 positions will affect timing of water infrastructure repairs, installs, jobs requiring manual work. The supervision of meter repair crews and instrumentation crews that troubleshoot problem areas and perform repair/maintenance work. Lime Plant Supervision will also be impacted limiting crews that provide 24/7 coverage. Also personnel administration and reporting will be delayed due to lack of staff.
Wastewater Collection and Treatment	-50	Wastewater Act reduction of 50 will impact maintenance/repairs, equip installations at treatment plants. Crews will travel amongst plants for repairs/preventive maintenance handled based on urgency instead of regular schedule. Sewer infrastructure jobs impacted at pump stations instruments that control/adjust flows; repairs/installs and maintenance at basins handled-urgency basis. Sewer pipe repairs/installs will be delayed when manual digging is needed. Required deadlines may not be met.
Engineering and Construction	-5	Engineering Activity reduction of 5 positions will affect specification writers and supervisor that plan, design and prepare Engineering reports to ensure that engineering standards are met. Also, in New Customer Services will be impacted in delays of evaluation of new water service applications to determine appropriateness of service.
Finance and Customer Service	-6	Finance Activity reduction of 6 positions will weaken various internal controls such as contract oversight of capital projects, the implementation and management of Customer Care Billing System; will limit assistant/review of accounting transactions (AP, AR, Billing) to ensure compliance with Governmental Accounting Standards Board GASB, will affect effectiveness in the collection of past due accounts and keep accounts payables within 30 days.
Position Totals:	(85)	

CAPITAL				
Function	11-12 Budget	11-12 Projection	12-13 Base	Comment
GOB Water and Wastewater Projects	\$6,691	\$12,099	\$4,488	The base of \$4.488M is projected to be spent on the Economic Development of Perrine Cutler Ridge Water and Sewer Improvement project for sites 70229, 71165, 71792 and 71800 in FY11-12.
Wastewater Projects	\$168,827	\$120,375	\$107,200	Continue the implementation of all wastewater priority projects, as well as plant rehabilitation, pump station improvements, transmission mains and infrastructure needs as funded.
Water Projects	\$82,159	\$73,999	\$98,535	Continue the implementation of all water priority projects, as well as treatment plant rehabilitation, transmission mains, reverse osmosis plant and infrastructure needs as funded.
Capital Totals:	\$257,677	\$206,473	\$210,223	
* Capital Outlay Reserve (COR) Request	N/A	N/A	N/A	N/A
* COR Expenditures are included in the Exp by Function.				
Major Projects Update	MDWASD top priority projects are: Wastewater Government Cut with projected expenditures of \$30.9M in FY11-12 and \$11.8M in FY12-13. Water Government Cut with projected expenditures of \$3M in FY11-12 and \$2.9M in FY12-13. COGEN with projected expenditures of \$11M in FY11-12 and \$8.9M in FY12-13. High Level Disinfection with projected expenditures of \$9.8M in FY 11-12 and \$18.5M in FY12-13. Pump Station 8 Brickell with projected expenditures of \$2.2M in FY11-12 and \$15.3M FY12-13.			
Other funding reductions or delays impacting capital (i.e. CDBG and GOB)	Multi-Year Capital Improvement Plan (MYCIP) FY12-18 assumed the Amended Outfall legislation would be approved by the Fla. Senate where it failed. The MYCIP would have to be adjusted to move projects from the outer years and unfunded listing to be compliant. The first deadline is an Outfall Legislation Master Plan by FY2013 followed by Nutrient Load Reduction by 2018; ceasing to use the outfall completely by 2025. Another impact to the MYCIP is the Dept's ability to obtain future rate increases.			

# REPORT 1: GENERAL DEPARTMENTAL FINANCIAL SUMMARY

## Department: Water and Sewer

(\$ in 000s)

### A) OPERATING BUDGET - REVENUES AND EXPENDITURES

		FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2011-12	FY 2012-13
		Actual	Actual	Actual	Actual	Actual	Budget	11-12 Projection	Base
<b>REVENUE</b>									
PROP	Carryover	\$48,812	\$53,242	\$55,046	\$58,666	\$63,226	\$60,652	\$60,652	\$55,664
PROP	Delinquency, Billing, and Service Charges	\$9,742	\$10,594	\$11,336	\$11,082	\$11,362	\$11,808	\$11,666	\$11,782
PROP	Fire Protection and Fire Hydrant Fees	\$4,542	\$4,558	\$4,596	\$4,697	\$4,668	\$4,842	\$4,798	\$4,846
PROP	Maintenance Fees	\$251	\$245	\$260	\$246	\$251	\$253	\$252	\$255
PROP	Miscellaneous Non-Operating	\$34,728	\$39,037	\$5,127	\$0	\$4,390	\$4,889	\$1,833	\$2,260
PROP	Miscellaneous Revenues	\$5,192	\$5,118	\$6,009	\$5,868	\$7,308	\$5,185	\$6,290	\$6,353
PROP	Septic Tanks and High Strength Sewage	\$2,728	\$2,412	\$2,222	\$2,435	\$2,568	\$2,570	\$2,342	\$2,365
PROP	Transfer From Other Funds	\$0	\$0	\$25,773	\$0	\$5,500	\$16,214	\$9,407	\$15,816
PROP	Wastewater Revenue	\$228,086	\$236,844	\$241,834	\$261,881	\$279,323	\$259,785	\$275,077	\$268,672
PROP	Water Revenue	\$178,079	\$177,705	\$212,480	\$232,186	\$240,180	\$229,674	\$241,779	\$237,505
PROP	Rock Mining Mitigation Fees	\$4,997	\$4,501	\$0	\$0	\$0	\$0	\$0	\$0
INTRADEPT	Intradepartmental Transfers	\$0	\$0	\$0	\$0	\$0	\$127,371	\$0	\$118,476
<b>TOTAL REVENUE</b>									
		\$517,157	\$534,256	\$564,683	\$577,061	\$618,776	\$723,243	\$614,096	\$723,994
<b>EXPENDITURES</b>									
	Salary	\$118,980	\$127,664	\$134,549	\$134,763	\$127,282	\$125,511	\$132,567	\$128,054
	Overtime Salary	\$7,313	\$9,488	\$9,220	\$13,297	\$9,145	\$7,642	\$9,551	\$8,403
	Fringe	\$42,001	\$43,892	\$39,600	\$45,829	\$41,250	\$32,092	\$32,807	\$42,467
	Overtime Fringe	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Court Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Contractual Services	\$0	\$61,908	\$73,697	\$64,924	\$69,149	\$78,289	\$69,231	\$74,500
	Other Operating	\$128,543	\$54,126	\$48,159	\$51,921	\$52,764	\$59,022	\$52,814	\$61,887
	Charges for County Services	\$13,790	\$24,886	\$23,703	\$38,898	\$33,221	\$31,426	\$31,289	\$33,939
	Grants to Outside Organization	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Capital	\$21,798	\$2,568	\$30,023	\$41,833	\$66,685	\$54,602	\$54,685	\$47,712
<b>TOTAL OPERATING EXPENDITURES</b>		\$332,425	\$324,532	\$358,951	\$391,465	\$399,496	\$388,584	\$382,944	\$396,962
	Transfers	\$4,997	\$4,501	\$0	\$0	\$32,220	\$0	\$25,000	\$0
	Distribution of Funds In Trust	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Debt Services	\$114,767	\$124,404	\$147,066	\$117,443	\$126,408	\$151,374	\$150,488	\$150,348
	Depreciation, Amortizations and Depletion	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Reserves	\$0	\$25,773	\$0	\$0	\$0	\$55,664	\$0	\$58,208

	Other Non-Operating	\$11,726	\$0	\$0	\$4,927	\$0	\$250	\$0	\$0
	Intradepartmental	\$0	\$0	\$0	\$0	\$0	\$127,371	\$0	\$118,476
TOTAL NON OPERATING EXPENDITURES		\$131,490	\$154,678	\$147,066	\$122,370	\$158,628	\$334,659	\$175,488	\$327,032
TOTAL EXPENDITURES		\$463,915	\$479,210	\$506,017	\$513,835	\$558,124	\$723,243	\$558,432	\$723,994
REVENUES LESS EXPENDITURES		\$53,242	\$55,046	\$58,666	\$63,226	\$60,652	\$0	\$55,664	\$0

B) POSITIONS								
	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2011-12	FY 2012-13
	Actual	Actual	Actual	Actual	Actual	Budget	Projection	Base
Full-Time Positions Budgeted =	2702	2702	2672	2817	0	2624	0	2539
Full-Time Positions Filled =	2427	2558	2518	2476	2361		2529	
Part-time FTEs Budgeted =	0	0	0	0	0	0	0	24
Temporary FTEs Budgeted =	0	37	57	40	7	0	0	0

# F-5 - Funded Projects Detail Report

2012-13 Proposed Capital Budget and Multi-Year Capital Plan

STRATEGIC AREA: Neighborhood and Infrastructure

\*\*\*\*\* FUNDED PROJECTS \*\*\*\*\*

DEPARTMENT: Water and Sewer

(\$ IN 000'S)

## GOB Water and Wastewater Projects

### 87 AVE WATER MAIN (MEDLEY) - GENERAL OBLIGATION BONDS (GOB)

Project #:963910

Location: Various  
Various Sites

Comm. District Physically Located: 12

Comm. District(S) Served: Systemwide

Description:Install approximately 15,800 linear feet of 36 inch water transmission with 34 hydrants

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	0	0	0	0	0	0	0	2,760	0	2,760
BBC GOB Series 2005A	0	3	0	0	0	0	0	0	0	3
BBC GOB Series 2008B	0	472	0	0	0	0	0	0	0	472
BBC GOB Series 2008B-1	0	165	0	0	0	0	0	0	0	165

<b>Total Revenue:</b>	<b>0</b>	<b>640</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,760</b>	<b>0</b>	<b>3,400</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Construction	11	640	0	0	0	0	0	2,760	0	3,400

<b>Total Projected Cost:</b>	<b>11</b>	<b>640</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,760</b>	<b>0</b>	<b>3,400</b>
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Estimated Annual Operating Costs: Less than \$10k

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

Project #:964520



Location: Various  
Various Sites

Comm. District Physically Located: 13

Comm. District(S) Served: Systemwide

Description:Construct a reverse osmosis water treatment plant in the City of Hialeah

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	500	500	0	0	0	0	0	0	0	500
BBC GOB Series 2005A	0	9,500	0	0	0	0	0	0	0	9,500

<b>Total Revenue:</b>	<b>500</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,000</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Construction	500	10,000	0	0	0	0	0	0	0	10,000

<b>Total Projected Cost:</b>	<b>500</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,000</b>
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Estimated Annual Operating Costs: Less than \$10k

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

Project #:964490

Location: Various  
Various Sites

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Replace and upgrade water distribution and sewer collection system

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	0	0	0	0	0	0	8,500	11,395	0	19,895

<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,500</b>	<b>11,395</b>	<b>0</b>	<b>19,895</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	0	0	0	0	0	0	1,100	2,100	3,200
Construction	0	0	0	0	0	0	1,200	12,627	2,868	16,695

<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200</b>	<b>13,727</b>	<b>4,968</b>	<b>19,895</b>
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Estimated Annual Operating Costs: Less than \$10k

#### NEEDS ASSESSMENTS PROJECTS - GENERAL OBLIGATION BONDS (GOB)

Project #:964350

Location: Various  
Various Sites

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Replace existing water mains and install new fire hydrants

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	0	0	0	0	0	0	13,650	7,172	0	20,822
BBC GOB Series 2005A	0	1,685	0	0	0	0	0	0	0	1,685
BBC GOB Series 2008B	0	1,504	0	0	0	0	0	0	0	1,504
BBC GOB Series 2008B-1	0	2,796	0	0	0	0	0	0	0	2,796

<b>Total Revenue:</b>	<b>0</b>	<b>5,985</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,650</b>	<b>7,172</b>	<b>0</b>	<b>26,807</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	1,995	0	0	0	0	0	0	0	1,995
Construction	508	3,990	0	0	0	0	13,650	7,172	0	24,812

<b>Total Projected Cost:</b>	<b>508</b>	<b>5,985</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,650</b>	<b>7,172</b>	<b>0</b>	<b>26,807</b>
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Estimated Annual Operating Costs: Less than \$10k

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

Project #:965520

Location: NW 37 Ave and NW 36 St  
Various Sites

Comm. District Physically Located: 2

Comm. District(S) Served: Systemwide

Description:Replace water and sewer mains in the NW 37 Ave Industrial Development Area

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	0	0	0	5,527	0	0	4,049	0	0	9,576
BBC GOB Series 2005A	0	4	0	0	0	0	0	0	0	4
BBC GOB Series 2008B	0	430	0	0	0	0	0	0	0	430
BBC GOB Series 2008B-1	0	210	0	11 0	0	0	0	0	0	210

<b>Total Revenue:</b>	<b>0</b>	<b>644</b>	<b>0</b>	<b>5,527</b>	<b>0</b>	<b>0</b>	<b>4,049</b>	<b>0</b>	<b>0</b>	<b>10,220</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	0	620	0	0	0	0	0	0	0	620
Construction	0	4	0	5,527	0	0	4,069	0	0	9,600
<b>Total Projected Cost:</b>	<b>0</b>	<b>624</b>	<b>0</b>	<b>5,527</b>	<b>0</b>	<b>0</b>	<b>4,069</b>	<b>0</b>	<b>0</b>	<b>10,220</b>

Estimated Annual Operating Costs: Less than \$10k

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

Project #:969080

Location: Various  
Various Sites

Comm. District Physically Located: 12

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
BBC GOB Future Financing	0	0	0	0	0	0	0	1,292	0	1,292
BBC GOB Series 2005A	0	1,601	0	0	0	0	0	0	0	1,601
BBC GOB Series 2008B	0	427	0	0	0	0	0	0	0	427
BBC GOB Series 2008B-1	0	680	0	0	0	0	0	0	0	680
<b>Total Revenue:</b>	<b>0</b>	<b>2,708</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,292</b>	<b>0</b>	<b>4,000</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Land/Building Acquisition	11	2,708	0	0	0	0	0	1,292	0	4,000
<b>Total Projected Cost:</b>	<b>11</b>	<b>2,708</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,292</b>	<b>0</b>	<b>4,000</b>

Estimated Annual Operating Costs: Less than \$10k

#### PERRINE / CUTLER IMPROVEMENTS - GENERAL OBLIGATION BONDS (GOB)

Project #:969830

Location: Various  
Various Sites

Comm. District Physically Located: 8 , 9

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
BBC GOB Future Financing	4,586	4,586	0	0	0	0	4,134	0	0	8,720
BBC GOB Series 2005A	0	138	0	0	0	0	0	0	0	138
BBC GOB Series 2008B-1	0	2,619	0	0	0	0	0	0	0	2,619
BBC GOB Series 2011A	0	5,295	0	0	0	0	0	0	0	5,295
EPA Grant	1,980	3,880	0	0	0	0	0	0	0	3,880
<b>Total Revenue:</b>	<b>6,566</b>	<b>16,518</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,134</b>	<b>0</b>	<b>0</b>	<b>20,652</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Land/Building Acquisition	0	95	0	0	0	0	0	0	0	95
Planning and Design	237	2,045	0	0	0	0	0	0	0	2,045
Construction	6,255	9,888	4,488	0	0	0	4,136	0	0	18,512

<b>Total Projected Cost:</b>	<b>6,492</b>	<b>12,028</b>	<b>4,488</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,136</b>	<b>0</b>	<b>0</b>	<b>20,652</b>
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Estimated Annual Operating Costs:	Less than \$10k
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**SYSTEM ENHANCEMENTS - GENERAL OBLIGATION BONDS (GOB)**

Project #:966370

Location: Various  
Various Sites

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Replace and install new pipelines in areas requiring service improvements

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	105	105	0	2,191	0	0	9,229	733	9,917	22,175
BBC GOB Series 2005A	0	2,639	0	0	0	0	0	0	0	2,639
BBC GOB Series 2008B-1	0	50	0	0	0	0	0	0	0	50
BBC GOB Series 2011A	0	1,727	0	0	0	0	0	0	0	1,727

<b>Total Revenue:</b>	<b>105</b>	<b>4,521</b>	<b>0</b>	<b>2,191</b>	<b>0</b>	<b>0</b>	<b>9,229</b>	<b>733</b>	<b>9,917</b>	<b>26,591</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	213	0	0	0	0	107	0	0	320
Construction	1,832	4,308	0	2,191	0	0	9,122	733	9,917	26,271

<b>Total Projected Cost:</b>	<b>1,832</b>	<b>4,521</b>	<b>0</b>	<b>2,191</b>	<b>0</b>	<b>0</b>	<b>9,229</b>	<b>733</b>	<b>9,917</b>	<b>26,591</b>
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Estimated Annual Operating Costs:	Less than \$10k
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**SYSTEM IMPROVEMENTS PROJECT - GENERAL OBLIGATION BONDS (GOB)**

Project #:962830

Location: Various  
Various Sites

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Replace undersized water mains and install new fire hydrants

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	0	0	0	0	0	0	60,232	19,066	0	79,298
BBC GOB Series 2005A	0	709	0	0	0	0	0	0	0	709
BBC GOB Series 2008B	0	1,018	0	0	0	0	0	0	0	1,018
BBC GOB Series 2008B-1	0	2,228	0	0	0	0	0	0	0	2,228
BBC GOB Series 2011A	0	2,948	0	0	0	0	0	0	0	2,948

<b>Total Revenue:</b>	<b>0</b>	<b>6,903</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,232</b>	<b>19,066</b>	<b>0</b>	<b>86,201</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	587	0	0	0	0	75	0	0	662
Construction	2,351	6,316	0	0	0	0	60,157	19,066	0	85,539

<b>Total Projected Cost:</b>	<b>2,351</b>	<b>6,903</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,232</b>	<b>19,066</b>	<b>0</b>	<b>86,201</b>
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Estimated Annual Operating Costs:	Less than \$10k
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**UPGRADE OF MIAMI SPRINGS PUMP STATIONS - GENERAL OBLIGATION BONDS (GOB)**

Project #:967730

Location: Various  
Various Sites

Comm. District Physically Located: 6

Comm. District(S) Served: Systemwide

Description: Upgrade electrical control panels, pumps and proprietary SCADA system

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
BBC GOB Future Financing	0	0	0	0	0	0	600	0	0	600
BBC GOB Series 2008B-1	0	559	0	0	0	0	0	0	0	559
BBC GOB Series 2011A	0	391	0	0	0	0	0	0	0	391
<b>Total Revenue:</b>	<b>0</b>	<b>950</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>1,550</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Construction	394	950	0	0	0	0	600	0	0	1,550
<b>Total Projected Cost:</b>	<b>394</b>	<b>950</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>1,550</b>

Estimated Annual Operating Costs:

Less than \$10k

## Wastewater Projects

### CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

Project #: 9653421



Location: Virginia Key  
City of Miami

Comm. District Physically Located: 7

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	9,273	16,187	9,000	30,535	33,190	31,500	129,685
WASD Revenue Bonds Sold	0	5,100	0	0	0	0	0	0	0	5,100
Wastewater Connection Charges	0	1,223	0	0	0	0	0	0	0	1,223
Wastewater Renewal Fund	0	2,188	0	0	0	0	0	0	0	2,188
<b>Total Revenue:</b>	<b>0</b>	<b>8,511</b>	<b>0</b>	<b>9,273</b>	<b>16,187</b>	<b>9,000</b>	<b>30,535</b>	<b>33,190</b>	<b>31,500</b>	<b>138,196</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	249	839	193	1,279	2,104	1,170	3,970	4,315	4,095	17,965
Construction	1,668	5,619	1,287	8,567	14,083	7,830	26,565	28,875	27,405	120,231
<b>Total Projected Cost:</b>	<b>1,917</b>	<b>6,458</b>	<b>1,480</b>	<b>9,846</b>	<b>16,187</b>	<b>9,000</b>	<b>30,535</b>	<b>33,190</b>	<b>31,500</b>	<b>138,196</b>

Estimated Annual Operating Costs:

Less than \$10k

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

Project #: 9650241

Location: Wastewater System - Central District Area

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	960	1,000	0	0	2,988	177,000	181,948
WASD Revenue Bonds Sold	0	60,349	0	0	0	0	0	0	0	60,349
<b>Total Revenue:</b>	<b>0</b>	<b>60,349</b>	<b>0</b>	<b>960</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>2,988</b>	<b>177,000</b>	<b>242,297</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Land/Building Acquisition	1,282	1,880	534	38	40	0	0	120	7,080	9,692
Planning and Design	1,283	1,880	534	38	40	0	0	120	7,080	9,692
Construction	28,221	41,369	11,738	845	880	0	0	2,629	155,760	213,221
Equipment Acquisition	1,283	1,881	533	39	40	0	0	119	7,080	9,692
<b>Total Projected Cost:</b>	<b>32,069</b>	<b>47,010</b>	<b>13,339</b>	<b>960</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>2,988</b>	<b>177,000</b>	<b>242,297</b>

Estimated Annual Operating Costs: Less than \$10k

#### CORROSION CONTROL FACILITIES IMPROVEMENTS

Project #:9653381

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Construct corrosion control facilities and force mains; renovate structures at wastewater treatment plants and pump stations; and restore sewer mains

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	1,000	1,500	3,000	2,000	0	7,500
WASD Revenue Bonds Sold	0	12,815	0	0	0	0	0	0	0	12,815
<b>Total Revenue:</b>	<b>0</b>	<b>12,815</b>	<b>0</b>	<b>0</b>	<b>1,000</b>	<b>1,500</b>	<b>3,000</b>	<b>2,000</b>	<b>0</b>	<b>20,315</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	2	115	13	0	10	15	30	20	0	203
Construction	161	11,372	1,315	0	990	1,485	2,970	1,980	0	20,112
<b>Total Projected Cost:</b>	<b>163</b>	<b>11,487</b>	<b>1,328</b>	<b>0</b>	<b>1,000</b>	<b>1,500</b>	<b>3,000</b>	<b>2,000</b>	<b>0</b>	<b>20,315</b>

Estimated Annual Operating Costs: Less than \$10k

#### GRAVITY SEWER RENOVATIONS

Project #:9650201

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Rehabilitate gravity sewers to reduce infiltration and inflow

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	12,800	7,025	9,403	5,460	3,095	0	37,783
WASD Revenue Bonds Sold	0	1,721	0	0	0	0	0	0	0	1,721
Wastewater Renewal Fund	3,000	13,376	0	0	0	0	0	0	0	13,376
<b>Total Revenue:</b>	<b>3,000</b>	<b>15,097</b>	<b>0</b>	<b>12,800</b>	<b>7,025</b>	<b>9,403</b>	<b>5,460</b>	<b>3,095</b>	<b>0</b>	<b>52,880</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	10	45	0	15 38	21	28	16	10	0	158
Construction	3,455	15,052	0	12,762	7,004	9,375	5,444	3,085	0	52,722

<b>Total Projected Cost:</b>	<b>3,465</b>	<b>15,097</b>	<b>0</b>	<b>12,800</b>	<b>7,025</b>	<b>9,403</b>	<b>5,460</b>	<b>3,095</b>	<b>0</b>	<b>52,880</b>
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Estimated Annual Operating Costs: Less than \$10k

#### LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS

Project #:9650371

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Repair, replace, and upgrade existing lift stations throughout the wastewater system

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	4,876	9,252	9,741	10,741	8,213	0	42,823
WASD Revenue Bonds Sold	0	375	0	0	0	0	0	0	0	375
Wastewater Renewal Fund	0	5,149	1,504	1,000	1,000	1,000	1,000	1,000	0	11,653
<b>Total Revenue:</b>	<b>0</b>	<b>5,524</b>	<b>1,504</b>	<b>5,876</b>	<b>10,252</b>	<b>10,741</b>	<b>11,741</b>	<b>9,213</b>	<b>0</b>	<b>54,851</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	93	332	90	353	615	644	704	553	0	3,291
Construction	1,454	5,192	1,414	5,523	9,637	10,097	11,037	8,660	0	51,560
<b>Total Projected Cost:</b>	<b>1,547</b>	<b>5,524</b>	<b>1,504</b>	<b>5,876</b>	<b>10,252</b>	<b>10,741</b>	<b>11,741</b>	<b>9,213</b>	<b>0</b>	<b>54,851</b>

Estimated Annual Operating Costs: Less than \$10k

#### MIAMI SPRINGS CONSTRUCTION FUND - WASTEWATER

Project #:969110

Location: Miami Springs

Various Sites

Comm. District Physically Located: 6

Comm. District(S) Served: 6

Description:Construction of various wastewater treatment facilities in Miami Springs

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Miami Springs Wastewater Construction Fund	0	1,200	0	0	0	0	0	0	0	1,200
<b>Total Revenue:</b>	<b>0</b>	<b>1,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	10	19	10	10	10	30	26	15	0	120
Construction	90	174	90	90	90	270	228	138	0	1,080
<b>Total Projected Cost:</b>	<b>100</b>	<b>193</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>300</b>	<b>254</b>	<b>153</b>	<b>0</b>	<b>1,200</b>

Estimated Annual Operating Costs: Less than \$10k

#### NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

Project #:9653411

Location: 2575 NE 151 St

North Miami

Comm. District Physically Located: 4

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	7,247	17,256	13,598	50,068	29,454	0	117,623
WASD Revenue Bonds Sold	0	7,216	0	0	0	0	0	0	0	7,216
Wastewater Renewal Fund	0	2,484	0	0	0	0	0	0	0	2,484

<b>Total Revenue:</b>	<b>0</b>	<b>9,700</b>	<b>0</b>	<b>7,247</b>	<b>17,256</b>	<b>13,598</b>	<b>50,068</b>	<b>29,454</b>	<b>0</b>	<b>127,323</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	128	468	361	865	1,726	1,360	5,007	2,945	0	12,732
Construction	1,155	4,213	3,252	7,788	15,530	12,238	45,061	26,509	0	114,591

<b>Total Projected Cost:</b>	<b>1,283</b>	<b>4,681</b>	<b>3,613</b>	<b>8,653</b>	<b>17,256</b>	<b>13,598</b>	<b>50,068</b>	<b>29,454</b>	<b>0</b>	<b>127,323</b>
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Estimated Annual Operating Costs: Less than \$10k

## NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS

Project #:9652101

Location: Wastewater System - North District Area

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Improve pump stations to increase system flexibility

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	770	0	0	0	15,000	0	15,770
<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>770</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>15,770</b>

Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	0	0	39	0	0	0	750	0	789
Construction	0	0	0	731	0	0	0	14,250	0	14,981

<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>770</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>15,770</b>
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Estimated Annual Operating Costs: Less than \$10k

## OUTFALL LEGISLATION

Project #:962670



Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Elimination of outfall flows to the ocean

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	4,125	5,000	9,536	15,466	123,457	406,376	563,960
<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,125</b>	<b>5,000</b>	<b>9,536</b>	<b>15,466</b>	<b>123,457</b>	<b>406,376</b>	<b>563,960</b>

Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	0	0	536	650	1,240	2,011	16,049	52,828	73,314
Construction	0	0	0	17,589	4,350	8,296	13,455	107,408	353,548	490,646

<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,125</b>	<b>5,000</b>	<b>9,536</b>	<b>15,466</b>	<b>123,457</b>	<b>406,376</b>	<b>563,960</b>
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Estimated Annual Operating Costs: 28878

## PEAK FLOW MANAGEMENT FACILITIES

Project #:9653371



Location: Systemwide  
Various Sites

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Evaluate and construct alternatives for peak flow management facilities and associated infrastructure

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	6,333	34,995	42,755	122,030	225,867	461,706	893,686
WASD Revenue Bonds Sold	0	172	0	0	0	0	0	0	0	172
Wastewater Connection Charges	2,698	24,970	0	0	0	0	0	0	0	24,970
Wastewater Renewal Fund	0	1,473	15,000	0	0	0	0	0	0	16,473
<b>Total Revenue:</b>	<b>2,698</b>	<b>26,615</b>	<b>15,000</b>	<b>6,333</b>	<b>34,995</b>	<b>42,755</b>	<b>122,030</b>	<b>225,867</b>	<b>461,706</b>	<b>935,301</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	438	1,683	1,533	1,158	3,920	4,275	12,203	22,587	46,171	93,530
Construction	3,945	15,153	13,797	10,421	35,278	38,480	109,827	203,280	415,535	841,771
<b>Total Projected Cost:</b>	<b>4,383</b>	<b>16,836</b>	<b>15,330</b>	<b>11,579</b>	<b>39,198</b>	<b>42,755</b>	<b>122,030</b>	<b>225,867</b>	<b>461,706</b>	<b>935,301</b>

Estimated Annual Operating Costs: Less than \$10k

## PUMP STATION GENERATORS AND MISCELLANEOUS UPGRADES

Project #:9652002

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Install emergency generators and construct miscellaneous upgrades at wastewater pump stations

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	1,785	9,620	15,140	16,340	14,170	9,600	66,655
WASD Revenue Bonds Sold	0	1,100	0	0	0	0	0	0	0	1,100
<b>Total Revenue:</b>	<b>0</b>	<b>1,100</b>	<b>0</b>	<b>1,785</b>	<b>9,620</b>	<b>15,140</b>	<b>16,340</b>	<b>14,170</b>	<b>9,600</b>	<b>67,755</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	20	22	33	89	481	757	817	709	480	3,388
Construction	380	414	631	1,696	9,139	14,383	15,523	13,461	9,120	64,367
<b>Total Projected Cost:</b>	<b>400</b>	<b>436</b>	<b>664</b>	<b>1,785</b>	<b>9,620</b>	<b>15,140</b>	<b>16,340</b>	<b>14,170</b>	<b>9,600</b>	<b>67,755</b>

Estimated Annual Operating Costs: Less than \$10k

## PUMP STATION IMPROVEMENTS PROGRAM

Project #:9651071

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Upgrade pump stations systemwide to meet forecasted demands

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	3,000	2,500	5,000	16,800	0	27,300
WASD Revenue Bonds Sold	0	5,642	0	0	0	0	0	0	0	5,642
Wastewater Connection Charges	0	3,936	0	0	0	0	0	0	0	3,936
Wastewater Renewal Fund	0	786	0	0	0	0	0	0	0	786

<b>Total Revenue:</b>	<b>0</b>	<b>10,364</b>	<b>0</b>	<b>0</b>	<b>3,000</b>	<b>2,500</b>	<b>5,000</b>	<b>16,800</b>	<b>0</b>	<b>37,664</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	383	933	0	0	270	225	450	1,512	0	3,390
Construction	3,869	9,431	0	0	2,730	2,275	4,550	15,288	0	34,274

<b>Total Projected Cost:</b>	<b>4,252</b>	<b>10,364</b>	<b>0</b>	<b>0</b>	<b>3,000</b>	<b>2,500</b>	<b>5,000</b>	<b>16,800</b>	<b>0</b>	<b>37,664</b>
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Estimated Annual Operating Costs:

Less than \$10k

## SANITARY SEWER SYSTEM EXTENSION

Project #:9653281



Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Extend sewer system lines to include the existing sanitary sewer needs assessment

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	5,259	1,835	2,113	2,113	2,113	396,590	410,023
WASD Revenue Bonds Sold	0	1,531	0	0	0	0	0	0	0	1,531
Wastewater Renewal Fund	0	8,368	0	0	0	0	0	0	0	8,368

<b>Total Revenue:</b>	<b>0</b>	<b>9,899</b>	<b>0</b>	<b>5,259</b>	<b>1,835</b>	<b>2,113</b>	<b>2,113</b>	<b>2,113</b>	<b>396,590</b>	<b>419,922</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	18	891	0	473	165	190	190	190	35,693	37,792
Construction	182	9,008	0	4,786	1,670	1,923	1,923	1,923	360,897	382,130

<b>Total Projected Cost:</b>	<b>200</b>	<b>9,899</b>	<b>0</b>	<b>5,259</b>	<b>1,835</b>	<b>2,113</b>	<b>2,113</b>	<b>2,113</b>	<b>396,590</b>	<b>419,922</b>
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Estimated Annual Operating Costs:

Less than \$10k

## SANITARY SEWER SYSTEM IMPROVEMENTS

Project #:9650221

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Construct sanitary sewer system improvements using funds from the special construction fund including special taxing districts

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Wastewater Connection Charges	0	2,689	0	0	0	0	0	0	0	2,689
Wastewater Special Construction Fund	268	1,984	300	300	300	300	300	300	0	3,784

<b>Total Revenue:</b>	<b>268</b>	<b>4,673</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>6,473</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	51	79	71	16	20	22	24	27	0	259
Construction	1,217	1,904	1,695	384	480	528	576	647	0	6,214
<b>Total Projected Cost:</b>	<b>1,268</b>	<b>1,983</b>	<b>1,766</b>	<b>400</b>	<b>500</b>	<b>550</b>	<b>600</b>	<b>674</b>	<b>0</b>	<b>6,473</b>

Estimated Annual Operating Costs: Less than \$10k

#### SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

Project #:9653401



Location: 8950 SW 232 St  
Unincorporated Miami-Dade County

Comm. District Physically Located: 8

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	6,407	15,858	450	0	29,455	386,324	438,494
WASD Revenue Bonds Sold	0	16,500	0	0	0	0	0	0	0	16,500
Wastewater Connection Charges	2,500	13,500	0	0	0	0	0	0	0	13,500
<b>Total Revenue:</b>	<b>2,500</b>	<b>30,000</b>	<b>0</b>	<b>6,407</b>	<b>15,858</b>	<b>450</b>	<b>0</b>	<b>29,455</b>	<b>386,324</b>	<b>468,494</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	300	305	675	476	634	18	0	1,178	15,453	18,739
Construction	7,200	7,318	16,202	11,431	15,224	432	0	28,277	370,871	449,755
<b>Total Projected Cost:</b>	<b>7,500</b>	<b>7,623</b>	<b>16,877</b>	<b>11,907</b>	<b>15,858</b>	<b>450</b>	<b>0</b>	<b>29,455</b>	<b>386,324</b>	<b>468,494</b>

Estimated Annual Operating Costs: Less than \$10k

#### SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS

Project #:9651061

Location: Wastewater System - South District Area

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Construct piping improvements to pump station number 536 and force main upgrade in SW 117 Ave

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	0	1,290	0	0	5,734	0	7,024
<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,290</b>	<b>0</b>	<b>0</b>	<b>5,734</b>	<b>0</b>	<b>7,024</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	0	0	0	0	39	0	0	172	0	211
Construction	0	0	0	0	1,251	0	0	5,562	0	6,813
<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,290</b>	<b>0</b>	<b>0</b>	<b>5,734</b>	<b>0</b>	<b>7,024</b>

Estimated Annual Operating Costs: Less than \$10k

## SOUTH DISTRICT WASTEWATER TREATMENT PLANT - HIGH LEVEL DISINFECTION

Project #:96510240



Location: 8950 SW 232 St  
Unincorporated Miami-Dade County

Comm. District Physically Located: 8

Comm. District(S) Served: Systemwide

Description:Construct treatment facilities for high level disinfection to meet regulatory requirements at the South District Wastewater Treatment Plant

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
HLD Special Construction Fund	0	143,485	0	0	0	0	0	0	0	143,485
State Revolving Loan Wastewater Program	7,965	52,965	2,277	0	0	0	0	0	0	55,242
WASD Revenue Bonds Sold	0	59,713	0	0	0	0	0	0	0	59,713
Wastewater Connection Charges	0	9,575	0	0	0	0	0	0	0	9,575
<b>Total Revenue:</b>	<b>7,965</b>	<b>265,738</b>	<b>2,277</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>268,015</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	28	249	18	0	0	0	0	0	0	267
Construction	26,291	239,196	17,716	382	0	0	0	0	0	257,294
Equipment Acquisition	1,068	9,718	720	16	0	0	0	0	0	10,454
<b>Total Projected Cost:</b>	<b>27,387</b>	<b>249,163</b>	<b>18,454</b>	<b>398</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>268,015</b>

Estimated Annual Operating Costs: Less than \$10k

## SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III

Project #:9655481

Location: 8950 SW 232 St  
Unincorporated Miami-Dade County

Comm. District Physically Located: 8

Comm. District(S) Served: Systemwide

Description:Expand the South District Wastewater Plant and injection wells and install emergency generators

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	1,000	109	770	1,887	4,862	25,926	34,554
WASD Revenue Bonds Sold	0	400	0	0	0	0	0	0	0	400
Wastewater Renewal Fund	0	1,087	0	0	0	0	0	0	0	1,087
<b>Total Revenue:</b>	<b>0</b>	<b>1,487</b>	<b>0</b>	<b>1,000</b>	<b>109</b>	<b>770</b>	<b>1,887</b>	<b>4,862</b>	<b>25,926</b>	<b>36,041</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	36	387	0	260	28	200	491	1,264	6,741	9,371
Construction	103	1,100	0	740	81	570	1,396	3,598	19,185	26,670
<b>Total Projected Cost:</b>	<b>139</b>	<b>1,487</b>	<b>0</b>	<b>1,000</b>	<b>109</b>	<b>770</b>	<b>1,887</b>	<b>4,862</b>	<b>25,926</b>	<b>36,041</b>

Estimated Annual Operating Costs: Less than \$10k

## WASTEWATER ENGINEERING STUDIES

Project #:9653241

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Conduct engineering studies to facilitate improvements to wastewater collection, transmission, treatment, and disposal systems

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
WASD Revenue Bonds Sold	0	999	0	0	0	0	0	0	0	999
<b>Total Revenue:</b>	<b>0</b>	<b>999</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>999</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	500	626	373	0	0	0	0	0	0	999
<b>Total Projected Cost:</b>	<b>500</b>	<b>626</b>	<b>373</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>999</b>
Estimated Annual Operating Costs:	Less than \$10k									

#### WASTEWATER EQUIPMENT AND VEHICLES

Project #:9650301

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Acquire vehicles, equipment, and associated wastewater system capital support materials

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Wastewater Renewal Fund	0	26,140	1,643	9,000	9,000	9,000	9,000	9,000	0	72,783
<b>Total Revenue:</b>	<b>0</b>	<b>26,140</b>	<b>1,643</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>0</b>	<b>72,783</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Equipment Acquisition	8,739	22,105	5,678	9,000	9,000	9,000	9,000	9,000	0	72,783
<b>Total Projected Cost:</b>	<b>8,739</b>	<b>22,105</b>	<b>5,678</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>0</b>	<b>72,783</b>
Estimated Annual Operating Costs:	Less than \$10k									

#### WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES

Project #:9653201

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Construct and/or renovate regional general maintenance centers, office facilities, and storage warehouses

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	2,300	8,850	15,775	10,700	24,433	8,022	70,080
Wastewater Renewal Fund	0	1,559	0	0	0	0	0	0	0	1,559
<b>Total Revenue:</b>	<b>0</b>	<b>1,559</b>	<b>0</b>	<b>2,300</b>	<b>8,850</b>	<b>15,775</b>	<b>10,700</b>	<b>24,433</b>	<b>8,022</b>	<b>71,639</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Land/Building Acquisition	0	78	0	115	443	789	535	1,222	401	3,583
Planning and Design	0	187	0	276	1,062	1,893	1,284	2,932	963	8,597
Construction	0	1,294	0	1,909	7,345	13,093	8,881	20,279	6,658	59,459
<b>Total Projected Cost:</b>	<b>0</b>	<b>1,559</b>	<b>0</b>	<b>2,300</b>	<b>8,850</b>	<b>15,775</b>	<b>10,700</b>	<b>24,433</b>	<b>8,022</b>	<b>71,639</b>

Estimated Annual Operating Costs:

Less than \$10k

**WASTEWATER PIPES AND INFRASTRUCTURE PROJECTS**

Project #:968750

 Location: Various  
 Various Sites

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Replace and install new pipelines in areas requiring service improvements

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Wastewater Renewal Fund	0	23,743	0	0	0	0	0	0	0	23,743
<b>Total Revenue:</b>	<b>0</b>	<b>23,743</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,743</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	550	1,761	214	100	100	199	0	0	0	2,374
Construction	4,950	15,847	1,927	900	900	1,795	0	0	0	21,369
<b>Total Projected Cost:</b>	<b>5,500</b>	<b>17,608</b>	<b>2,141</b>	<b>1,000</b>	<b>1,000</b>	<b>1,994</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,743</b>

Estimated Annual Operating Costs: Less than \$10k

**WASTEWATER SYSTEM MAINTENANCE AND UPGRADES**

Project #:9650361

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Maintain and develop existing wastewater system facilities, structures, and equipment

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Wastewater Renewal Fund	12,977	22,881	12,015	12,500	15,000	15,000	15,000	15,000	0	107,396
<b>Total Revenue:</b>	<b>12,977</b>	<b>22,881</b>	<b>12,015</b>	<b>12,500</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>0</b>	<b>107,396</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	1,300	2,288	1,202	1,250	1,500	1,500	1,500	1,500	0	10,740
Construction	11,699	20,593	10,813	11,250	13,500	13,500	13,500	13,500	0	96,656
<b>Total Projected Cost:</b>	<b>12,999</b>	<b>22,881</b>	<b>12,015</b>	<b>12,500</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>0</b>	<b>107,396</b>

Estimated Annual Operating Costs: Less than \$10k

**WASTEWATER TELEMETERING SYSTEM**

Project #:9652481

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	2,626	2,450	2,622	0	0	7,698
WASD Revenue Bonds Sold	0	3,162	0	0	0	0	0	0	0	3,162
Wastewater Renewal Fund	0	1,234	510	0	0	0	0	0	0	1,744
<b>23</b>										
<b>Total Revenue:</b>	<b>0</b>	<b>4,396</b>	<b>510</b>	<b>0</b>	<b>2,626</b>	<b>2,450</b>	<b>2,622</b>	<b>0</b>	<b>0</b>	<b>12,604</b>

Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	470	1,891	219	0	1,129	1,053	1,127	0	0	5,419
Construction	622	2,505	291	0	1,497	1,397	1,495	0	0	7,185
<b>Total Projected Cost:</b>	<b>1,092</b>	<b>4,396</b>	<b>510</b>	<b>0</b>	<b>2,626</b>	<b>2,450</b>	<b>2,622</b>	<b>0</b>	<b>0</b>	<b>12,604</b>

Estimated Annual Operating Costs: Less than \$10k

#### WASTEWATER TREATMENT PLANT AUTOMATION ENHANCEMENTS

Project #:9652003

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Construct facilities and install equipment to automate functions at wastewater treatment plants

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	500	3,561	4,482	2,577	0	0	11,120
WASD Revenue Bonds Sold	0	500	0	0	0	0	0	0	0	500
Wastewater Connection Charges	0	1,127	0	0	0	0	0	0	0	1,127
<b>Total Revenue:</b>	<b>0</b>	<b>1,627</b>	<b>0</b>	<b>500</b>	<b>3,561</b>	<b>4,482</b>	<b>2,577</b>	<b>0</b>	<b>0</b>	<b>12,747</b>

Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	6	105	8	35	249	314	180	0	0	891
Construction	30	498	39	165	1,175	1,479	851	0	0	4,207
Equipment Acquisition	56	906	71	300	2,137	2,689	1,546	0	0	7,649
<b>Total Projected Cost:</b>	<b>92</b>	<b>1,509</b>	<b>118</b>	<b>500</b>	<b>3,561</b>	<b>4,482</b>	<b>2,577</b>	<b>0</b>	<b>0</b>	<b>12,747</b>

Estimated Annual Operating Costs: Less than \$10k

#### WASTEWATER TREATMENT PLANTS EFFLUENT REUSE

Project #:965630



Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Plan and construct facilities for an effluent reuse system at wastewater treatment plants

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	15,525	15,497	10,000	22,168	10,624	95,000	168,814
<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,525</b>	<b>15,497</b>	<b>10,000</b>	<b>22,168</b>	<b>10,624</b>	<b>95,000</b>	<b>168,814</b>

Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	0	0	1,397	1,395	900	1,995	956	8,550	15,193
Construction	0	0	0	14,128	14,102	9,100	20,173	9,668	86,450	153,621
<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,525</b>	<b>15,497</b>	<b>10,000</b>	<b>22,168</b>	<b>10,624</b>	<b>95,000</b>	<b>168,814</b>

Estimated Annual Operating Costs: Less than \$10k

#### WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES

Location: Wastewater Treatment Plants

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Upgrade wastewater treatment plants to meet regulatory requirements

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	700	3,184	7,556	3,778	0	0	15,218
Total Revenue:	0	0	0	700	3,184	7,556	3,778	0	0	15,218
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	0	0	42	191	454	227	0	0	914
Construction	0	0	0	630	2,866	6,800	3,400	0	0	13,696
Equipment Acquisition	0	0	0	28	127	302	151	0	0	608
Total Projected Cost:	0	0	0	700	3,184	7,556	3,778	0	0	15,218

Estimated Annual Operating Costs: Less than \$10k

WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATIONProject #:9653261

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Renovate and replace wastewater treatment plant facilities and structures within plant sites

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	3,680	4,289	4,289	4,289	4,288	5,433	26,268
Wastewater Renewal Fund	3,024	22,717	4,031	5,000	5,000	5,000	5,000	5,000	0	51,748
Total Revenue:	3,024	22,717	4,031	8,680	9,289	9,289	9,289	9,288	5,433	78,016
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	538	1,484	1,191	868	929	929	929	929	543	7,802
Construction	4,842	13,354	10,719	7,812	8,360	8,360	8,360	8,359	4,890	70,214
Total Projected Cost:	5,380	14,838	11,910	8,680	9,289	9,289	9,289	9,288	5,433	78,016

Estimated Annual Operating Costs: Less than \$10k

Water Projects

AUTOMATION OF WATER TREATMENT PLANTSProject #:963110

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Construct facilities and install equipment to automate functions at water treatment plants

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	750	750	550	0	0	0	2,050

WASD Revenue Bonds Sold	0	600	0	0	0	0	0	0	0	600
Water Connection Charges	0	929	0	0	0	0	0	0	0	929

<b>Total Revenue:</b>	<b>0</b>	<b>1,529</b>	<b>0</b>	<b>750</b>	<b>750</b>	<b>550</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,579</b>
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<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Construction	265	390	252	315	315	231	0	0	0	1,503
Equipment Acquisition	366	539	348	435	435	319	0	0	0	2,076

<b>Total Projected Cost:</b>	<b>631</b>	<b>929</b>	<b>600</b>	<b>750</b>	<b>750</b>	<b>550</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,579</b>
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Estimated Annual Operating Costs: Less than \$10k

## CENTRAL MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS

Project #:9654041

Location: Central Miami-Dade County Area

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Replace various low pressure water mains; install a 54-inch water main at railroad crossings via microtunneling method

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	0	0	0	1,121	2,652	16,080	19,853
WASD Revenue Bonds Sold	0	13,425	0	0	0	0	0	0	0	13,425

<b>Total Revenue:</b>	<b>0</b>	<b>13,425</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,121</b>	<b>2,652</b>	<b>16,080</b>	<b>33,278</b>
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<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Land/Building Acquisition	90	315	88	0	0	0	34	80	482	999
Planning and Design	210	736	204	0	0	0	78	186	1,126	2,330
Construction	2,700	9,455	2,627	0	0	0	1,009	2,386	14,472	29,949

<b>Total Projected Cost:</b>	<b>3,000</b>	<b>10,506</b>	<b>2,919</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,121</b>	<b>2,652</b>	<b>16,080</b>	<b>33,278</b>
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Estimated Annual Operating Costs: Less than \$10k

## MIAMI SPRINGS CONSTRUCTION FUND - WATER

Project #:965450

Location: Miami Springs

Miami Springs

Comm. District Physically Located: 6

Comm. District(S) Served: 6

Description:Construction of various water treatment facilities in Miami Springs

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Miami Springs Water Construction Fund	0	687	0	0	0	0	0	0	0	687

<b>Total Revenue:</b>	<b>0</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>
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<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	5	45	5	5	5	5	3	0	0	68
Construction	45	408	45	45	45	45	31	0	0	619

<b>Total Projected Cost:</b>	<b>50</b>	<b>453</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>687</b>
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Estimated Annual Operating Costs: Less than \$10k

# NORTH MIAMI-DADE WATER TRANSMISSION MAIN IMPROVEMENTS

Project #:9654031

Location: North Miami-Dade County Area

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	691	4,738	2,810	1,335	0	0	9,574
WASD Revenue Bonds Sold	0	4,275	0	0	0	0	0	0	0	4,275
<b>Total Revenue:</b>	<b>0</b>	<b>4,275</b>	<b>0</b>	<b>691</b>	<b>4,738</b>	<b>2,810</b>	<b>1,335</b>	<b>0</b>	<b>0</b>	<b>13,849</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	100	100	71	28	190	112	53	0	0	554
Construction	2,400	2,400	1,704	663	4,548	2,698	1,282	0	0	13,295
<b>Total Projected Cost:</b>	<b>2,500</b>	<b>2,500</b>	<b>1,775</b>	<b>691</b>	<b>4,738</b>	<b>2,810</b>	<b>1,335</b>	<b>0</b>	<b>0</b>	<b>13,849</b>

Estimated Annual Operating Costs: Less than \$10k

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

Project #:9654061



Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	1,112	76,965	58,489	44,642	184,339	285,694	651,241
Rock Mining Mitigation Fees	3,716	20,384	0	0	0	0	0	0	0	20,384
<b>Total Revenue:</b>	<b>3,716</b>	<b>20,384</b>	<b>0</b>	<b>1,112</b>	<b>76,965</b>	<b>58,489</b>	<b>44,642</b>	<b>184,339</b>	<b>285,694</b>	<b>671,625</b>
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	83	855	300	135	4,618	3,509	2,679	11,060	17,142	40,298
Construction	1,284	13,251	4,653	2,087	71,577	54,395	41,517	171,435	265,696	624,611
Equipment Acquisition	14	143	50	22	770	585	446	1,844	2,856	6,716
<b>Total Projected Cost:</b>	<b>1,381</b>	<b>14,249</b>	<b>5,003</b>	<b>2,244</b>	<b>76,965</b>	<b>58,489</b>	<b>44,642</b>	<b>184,339</b>	<b>285,694</b>	<b>671,625</b>

Estimated Annual Operating Costs: Less than \$10k

# SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

Project #:9652821

Location: 11800 SW 208 St  
Unincorporated Miami-Dade County

Comm. District Physically Located: 9

Comm. District(S) Served: Systemwide

Description: Construct water treatment plant, wellfields and various water transmission mains in south Miami-Dade County

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Fire Hydrant Fund	0	1,000	0	0	0	0	0	0	0	1,000
Future WASD Revenue Bonds	0	0	0	46,200	43,801	5,197	0	0	0	95,198
WASD Revenue Bonds Sold	0	42,281	0	0	0	0	0	0	0	42,281
Water Connection Charges	0	9,260	0	0	0	0	0	0	0	9,260
Water Construction Fund	0	1,438	0	0	0	0	0	0	0	1,438

<b>Total Revenue:</b>	<b>0</b>	<b>53,979</b>	<b>0</b>	<b>46,200</b>	<b>43,801</b>	<b>5,197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>149,177</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	69	1,106	514	1,386	1,314	156	0	0	0	4,476
Construction	2,234	35,761	16,598	44,814	42,487	5,041	0	0	0	144,701

<b>Total Projected Cost:</b>	<b>2,303</b>	<b>36,867</b>	<b>17,112</b>	<b>46,200</b>	<b>43,801</b>	<b>5,197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>149,177</b>
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Estimated Annual Operating Costs: Less than \$10k

#### SOUTH MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS

Project #:9650021

Location: South Miami-Dade County

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	5,900	6,500	1,100	0	0	13,500

<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,900</b>	<b>6,500</b>	<b>1,100</b>	<b>0</b>	<b>0</b>	<b>13,500</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	0	0	0	1,121	1,235	209	0	0	2,565
Construction	0	0	0	0	4,779	5,265	891	0	0	10,935

<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,900</b>	<b>6,500</b>	<b>1,100</b>	<b>0</b>	<b>0</b>	<b>13,500</b>
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Estimated Annual Operating Costs: Less than \$10k

#### WATER DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS

Project #:9653311

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Install various water mains throughout the distribution system

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
EPA Grant	0	1,080	0	0	0	0	0	0	0	1,080
Future WASD Revenue Bonds	0	0	0	9,393	38,149	28,698	24,218	39,007	53,044	192,509
State Revolving Loan Water Program	0	77	0	0	0	0	0	0	0	77
WASD Revenue Bonds Sold	0	4,264	0	0	0	0	0	0	0	4,264
Water Renewal and Replacement Fund	2,815	10,927	0	2,300	2,300	2,300	2,300	2,800	0	22,927

<b>Total Revenue:</b>	<b>2,815</b>	<b>16,348</b>	<b>0</b>	<b>11,693</b>	<b>40,449</b>	<b>30,998</b>	<b>26,518</b>	<b>41,807</b>	<b>53,044</b>	<b>220,857</b>
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<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
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Planning and Design	324	869	274	819	2,832	2,170	1,856	2,926	3,713	15,459
Construction	4,321	11,564	3,641	10,874	37,617	28,828	24,662	38,881	49,331	205,398
<hr/>										
<b>Total Projected Cost:</b>	<b>4,645</b>	<b>12,433</b>	<b>3,915</b>	<b>11,693</b>	<b>40,449</b>	<b>30,998</b>	<b>26,518</b>	<b>41,807</b>	<b>53,044</b>	<b>220,857</b>
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Estimated Annual Operating Costs:	Less than \$10k									

#### WATER ENGINEERING STUDIES

Project #:9652001

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Conduct engineering studies to facilitate improvements to water treatment plants, wellfields, transmission, and distribution systems

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	25	0	0	0	0	0	25
WASD Revenue Bonds Sold	0	225	0	0	0	0	0	0	0	225
<hr/>										
<b>Total Revenue:</b>	<b>0</b>	<b>225</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>
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<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	214	225	0	25	0	0	0	0	0	250
<hr/>										
<b>Total Projected Cost:</b>	<b>214</b>	<b>225</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>
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Estimated Annual Operating Costs: Less than \$10k

#### WATER EQUIPMENT AND VEHICLES

Project #:9650141

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Water Renewal and Replacement Fund	2,816	24,990	0	7,500	7,500	7,500	7,500	7,000	0	61,990
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<b>Total Revenue:</b>	<b>2,816</b>	<b>24,990</b>	<b>0</b>	<b>7,500</b>	<b>7,500</b>	<b>7,500</b>	<b>7,500</b>	<b>7,000</b>	<b>0</b>	<b>61,990</b>
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<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Equipment Acquisition	4,413	18,313	6,677	7,500	7,500	7,500	7,500	7,000	0	61,990
<hr/>										
<b>Total Projected Cost:</b>	<b>4,413</b>	<b>18,313</b>	<b>6,677</b>	<b>7,500</b>	<b>7,500</b>	<b>7,500</b>	<b>7,500</b>	<b>7,000</b>	<b>0</b>	<b>61,990</b>
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Estimated Annual Operating Costs: Less than \$10k

#### WATER GENERAL MAINTENANCE AND OFFICE FACILITIES

Project #:9650271

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	0	11,303	11,960	4,832	3,833	8,829	40,757
<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,303</b>	<b>11,960</b>	<b>4,832</b>	<b>3,833</b>	<b>8,829</b>	<b>40,757</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Land/Building Acquisition	0	0	0	0	452	478	193	153	353	1,629
Planning and Design	0	0	0	0	4,295	4,545	1,836	1,457	3,355	15,488
Construction	0	0	0	0	6,556	6,937	2,803	2,223	5,121	23,640
<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,303</b>	<b>11,960</b>	<b>4,832</b>	<b>3,833</b>	<b>8,829</b>	<b>40,757</b>

Estimated Annual Operating Costs: Less than \$10k

#### WATER MAIN EXTENSIONS

Project #:9651051

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Construct water main extensions funded from the special construction fund, including special taxing districts

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Water Special Construction Fund	268	3,845	1,000	1,000	1,000	1,000	1,000	1,000	0	9,845
<b>Total Revenue:</b>	<b>268</b>	<b>3,845</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>	<b>9,845</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Construction	268	2,276	1,000	1,000	1,000	1,000	2,000	1,569	0	9,845
<b>Total Projected Cost:</b>	<b>268</b>	<b>2,276</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>2,000</b>	<b>1,569</b>	<b>0</b>	<b>9,845</b>

Estimated Annual Operating Costs: Less than \$10k

#### WATER PIPES AND INFRASTRUCTURE PROJECTS

Project #:967190

Location: Countywide  
Various Sites

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Replace pipe and construct infrastructure repairs

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Water Renewal and Replacement Fund	13,869	20,119	0	0	0	0	0	0	0	20,119
<b>Total Revenue:</b>	<b>13,869</b>	<b>20,119</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,119</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	850	1,398	214	100	100	200	0	0	0	2,012
Construction	7,650	12,586	1,927	900	900	1,794	0	0	0	18,107
<b>Total Projected Cost:</b>	<b>8,500</b>	<b>13,984</b>	<b>2,141</b>	<b>1,000</b>	<b>1,000</b>	<b>1,994</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,119</b>

Estimated Annual Operating Costs: Less than \$10k

#### WATER SYSTEM FIRE HYDRANT INSTALLATION

Project #:9653461

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Install fire hydrants and construct related system improvements

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Fire Hydrant Fund	3,059	11,896	4,800	5,000	5,000	5,000	5,000	5,000	0	41,696
Total Revenue:	3,059	11,896	4,800	5,000	5,000	5,000	5,000	5,000	0	41,696
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	160	595	240	250	250	250	250	250	0	2,085
Construction	3,042	11,301	4,560	4,750	4,750	4,750	4,750	4,750	0	39,611
Total Projected Cost:	3,202	11,896	4,800	5,000	5,000	5,000	5,000	5,000	0	41,696

Estimated Annual Operating Costs: Less than \$10k

WATER SYSTEM MAINTENANCE AND UPGRADES

Project #:9650181

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Maintain and develop existing water system facilities, structures, and equipment

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Water Renewal and Replacement Fund	13,500	46,551	9,526	17,500	20,000	20,000	20,000	20,000	0	153,577
Total Revenue:	13,500	46,551	9,526	17,500	20,000	20,000	20,000	20,000	0	153,577
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Construction	21,160	37,587	18,490	17,500	20,000	20,000	20,000	20,000	0	153,577
Total Projected Cost:	21,160	37,587	18,490	17,500	20,000	20,000	20,000	20,000	0	153,577

Estimated Annual Operating Costs: Less than \$10k

WATER TELEMETERING SYSTEM ENHANCEMENTS

Project #:9656780

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description:Acquire and install a centralized computer system at water treatment plants and wellfields

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	433	433	433	433	433	0	2,165
Total Revenue:	0	0	0	433	433	433	433	433	0	2,165
Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	0	0	0	31169	169	169	169	169	0	845

Construction	0	0	0	264	264	264	264	264	0	1,320
<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>0</b>	<b>2,165</b>

Estimated Annual Operating Costs: Less than \$10k

#### WATER TREATMENT PLANT - ALEXANDER ORR, JR. EXPANSION

Project #:9650031

Location: 6800 SW 87 Ave  
Unincorporated Miami-Dade County

Comm. District Physically Located: 7

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	15,060	25,309	27,914	13,578	6,515	0	88,376
WASD Revenue Bonds Sold	0	13,305	0	0	0	0	0	0	0	13,305
Water Renewal and Replacement Fund	0	1,478	0	0	0	0	0	0	0	1,478
<b>Total Revenue:</b>	<b>0</b>	<b>14,783</b>	<b>0</b>	<b>15,060</b>	<b>25,309</b>	<b>27,914</b>	<b>13,578</b>	<b>6,515</b>	<b>0</b>	<b>103,159</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	623	1,052	870	1,958	3,290	3,628	1,765	847	0	13,410
Construction	3,447	5,824	4,820	10,843	18,223	20,098	9,776	4,691	0	74,275
Equipment Acquisition	718	1,213	1,004	2,259	3,796	4,188	2,037	977	0	15,474
<b>Total Projected Cost:</b>	<b>4,788</b>	<b>8,089</b>	<b>6,694</b>	<b>15,060</b>	<b>25,309</b>	<b>27,914</b>	<b>13,578</b>	<b>6,515</b>	<b>0</b>	<b>103,159</b>

Estimated Annual Operating Costs: Less than \$10k

#### WATER TREATMENT PLANT - FLORIDIAN REVERSE OSMOSIS

Project #:966620

Location: 700 W 2nd Ave  
Hialeah

Comm. District Physically Located: 6

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	0	1,348	7,383	4,085	6,099	0	18,915
Hialeah Reverse Osmosis Plant	0	9,500	0	0	0	0	0	0	0	9,500
Construction Fund	3,000	36,672	3,000	4,775	0	0	0	0	0	44,447
<b>Total Revenue:</b>	<b>3,000</b>	<b>46,172</b>	<b>3,000</b>	<b>4,775</b>	<b>1,348</b>	<b>7,383</b>	<b>4,085</b>	<b>6,099</b>	<b>0</b>	<b>72,862</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	154	254	238	48	13	74	41	61	0	729
Construction	15,228	25,127	23,553	4,727	1,335	7,309	4,044	6,038	0	72,133
<b>Total Projected Cost:</b>	<b>15,382</b>	<b>25,381</b>	<b>23,791</b>	<b>4,775</b>	<b>1,348</b>	<b>7,383</b>	<b>4,085</b>	<b>6,099</b>	<b>0</b>	<b>72,862</b>

Estimated Annual Operating Costs: Less than \$10k

#### WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS

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

Comm. District Physically Located: 6

Comm. District(S) Served: Systemwide

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

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	2,301	17,139	27,069	10,990	1,625	9,975	69,099
WASD Revenue Bonds Sold	0	650	0	0	0	0	0	0	0	650
Water Construction Fund	0	1,762	0	0	0	0	0	0	0	1,762
Water Renewal and Replacement Fund	0	472	0	0	0	0	0	0	0	472

<b>Total Revenue:</b>	<b>0</b>	<b>2,884</b>	<b>0</b>	<b>2,301</b>	<b>17,139</b>	<b>27,069</b>	<b>10,990</b>	<b>1,625</b>	<b>9,975</b>	<b>71,983</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	154	779	28	644	4,799	7,579	3,077	455	2,793	20,154
Construction	341	1,727	62	1,427	10,626	16,783	6,814	1,008	6,184	44,631
Equipment Acquisition	55	278	10	230	1,714	2,707	1,099	162	998	7,198

<b>Total Projected Cost:</b>	<b>550</b>	<b>2,784</b>	<b>100</b>	<b>2,301</b>	<b>17,139</b>	<b>27,069</b>	<b>10,990</b>	<b>1,625</b>	<b>9,975</b>	<b>71,983</b>
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Estimated Annual Operating Costs: Less than \$10k

#### WATER TREATMENT PLANTS MISCELLANEOUS UPGRADES

Project #:9610960

Location: Water Treatment Plants

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Upgrade water treatment plants to meet regulatory requirements

Revenue Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	10,100	4,796	3,500	2,500	2,000	1,500	24,396
WASD Revenue Bonds Sold	0	7,562	0	0	0	0	0	0	0	7,562
Water Construction Fund	0	344	0	0	0	0	0	0	0	344

<b>Total Revenue:</b>	<b>0</b>	<b>7,906</b>	<b>0</b>	<b>10,100</b>	<b>4,796</b>	<b>3,500</b>	<b>2,500</b>	<b>2,000</b>	<b>1,500</b>	<b>32,302</b>
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Expenditure Schedule:	2011-12	PRIOR	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	FUTURE	TOTAL
Planning and Design	12	126	32	202	96	70	50	40	30	646
Construction	322	3,282	829	5,252	2,494	1,820	1,300	1,040	780	16,797
Equipment Acquisition	285	2,904	733	4,646	2,206	1,610	1,150	920	690	14,859

<b>Total Projected Cost:</b>	<b>619</b>	<b>6,312</b>	<b>1,594</b>	<b>10,100</b>	<b>4,796</b>	<b>3,500</b>	<b>2,500</b>	<b>2,000</b>	<b>1,500</b>	<b>32,302</b>
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Estimated Annual Operating Costs: Less than \$10k

#### WATER TREATMENT PLANTS REPLACEMENT AND RENOVATIONS

Project #:9650161

Location: Water Treatment Plants

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

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

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	1,500	6,877	6,500	5,049	3,045	3,045	26,016
Water Renewal and Replacement Fund	0	10,051	771	200	200	200	200	200	0	11,822
<b>Total Revenue:</b>	<b>0</b>	<b>10,051</b>	<b>771</b>	<b>1,700</b>	<b>7,077</b>	<b>6,700</b>	<b>5,249</b>	<b>3,245</b>	<b>3,045</b>	<b>37,838</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Equipment Acquisition	393	8,948	1,874	1,700	7,077	6,700	5,249	3,245	3,045	37,838
<b>Total Projected Cost:</b>	<b>393</b>	<b>8,948</b>	<b>1,874</b>	<b>1,700</b>	<b>7,077</b>	<b>6,700</b>	<b>5,249</b>	<b>3,245</b>	<b>3,045</b>	<b>37,838</b>

Estimated Annual Operating Costs: Less than \$10k

#### WELLFIELD IMPROVEMENTS

Project #: 9650051

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Expand the Northwest wellfield (NWWF) sludge lagoon

<b>Revenue Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WASD Revenue Bonds	0	0	0	500	0	0	0	0	0	500
<b>Total Revenue:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>
<b>Expenditure Schedule:</b>	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
Land/Building Acquisition	0	0	0	15	0	0	0	0	0	15
Planning and Design	0	0	0	10	0	0	0	0	0	10
Construction	0	0	0	470	0	0	0	0	0	470
Equipment Acquisition	0	0	0	5	0	0	0	0	0	5
<b>Total Projected Cost:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>

Estimated Annual Operating Costs: Less than \$10k

	<b>2011-12</b>	<b>PRIOR</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>FUTURE</b>	<b>TOTAL</b>
<b>Revenue Grand Totals:</b>	<b>82,646</b>	<b>916,052</b>	<b>56,377</b>	<b>245,398</b>	<b>465,242</b>	<b>414,361</b>	<b>589,351</b>	<b>914,009</b>	<b>2,391,561</b>	<b>5,992,351</b>
<b>Expenditures Grand Totals:</b>	<b>206,473</b>	<b>731,854</b>	<b>210,223</b>	<b>261,903</b>	<b>471,795</b>	<b>418,949</b>	<b>583,661</b>	<b>917,437</b>	<b>2,396,529</b>	<b>5,992,351</b>

**Miami-Dade Water and Sewer Department  
Expense Summary by Account (Excluding Overhead)**

Account	Description	YTD	YTD	Fullyear	Projection	Proposed
		Actuals FY 2010	Actuals FY 2011	Budget FY 2012	Budget FY 2012	Budget FY 2013
				123,592,678	129,723,081	
700110	Employee Regular	108,764,447	104,263,336	104,739,564	111,395,154	126,164,958
700113	Vacation Relief & Seasonal Help	435	485	-	-	-
700114	Poll Workers (County Emp Only)	147,958	411,816	-	45,017	-
700120	Executive Benefit Payments	138,558	120,727	-	26,280	-
700122	Flex Dollars	2,127,429	690,697	-	510,694	-
700125	Longevity Payments	25,174	1,352	-	2,758	-
700126	Working Out Of Classification	44	479	-	124	-
700128	Tuition Refund	108,878	117,392	129,000	125,213	141,148
700129	Death Benefit Payments	44,906	43,768	60,000	45,870	55,000
700131	Military Active Duty	18,845	17,635	-	3,322	-
700132	Military Leave Pay	1,335	-	-	-	-
700133	Jury Duty Pay	90,199	97,242	-	22,661	-
700134	Union Activity Pay	222,450	287,129	-	85,836	-
700135	Job Injury Pay	470,820	781,438	-	184,486	-
700136	Uniform In Lieu Of Allowances	-	610	-	-	-
700137	Tool Allowance	199,513	202,859	-	1,423	-
700138	Employee Suggestion Award	9,833	15,001	44,000	35,147	41,534
700139	Awards & Special Recognition	1,164	1,414	12,000	9,250	6,604
700150	Sick Pay	4,262,520	4,152,552	-	1,098,061	-
700151	Holiday Pay	6,483,698	6,133,907	-	2,366,168	-
700152	Annual Leave Pay	9,084,453	8,298,164	18,853,114	16,231,913	-
700153	Compensatory Time Pay	611,931	(365,691)	750,000	1,584,325	750,000
700154	Payment For Unused Sick Leave	(77,926)	236	-	-	-
700155	Termination Payments	22,159	(11,170)	-	(94)	-
700160	Employee Overtime Ot	13,069,776	8,953,089	7,454,357	9,347,467	7,105,350
700163	Night Shift Pay	-	-	-	(446)	-
700164	Hazardous/On Call Pay	439,816	479,654	-	136,831	-
700165	Overtime Hazardous/On Call	228,051	192,716	187,140	203,691	191,650
700166	Emergency Overtime	-	-	-	-	1,106,100
700167	Divers Pay	-	3,138	-	1,375	-
700168	OT Night Shift	-	-	-	(67)	-
700170	Extra Duty Pay	-	-	30,000	22,500	-
700197	Wage Accruals	559,918	576,072	-	(2,410,983)	-
701013	Other Fringe Benefits	39,757,572	36,449,923	26,685,133	28,114,648	35,288,172
701089	Ot Fringe Benefit Reimb	(20)	36	-	-	1,212,903
701098	Fringe Accruals	111,614	(211,856)	-	(625,181)	-
701110	Group Health Insurance	55,766	-	-	-	-
701111	Group Life Insurance	(19,607)	-	-	-	-
701112	Long Term Disability Insurance	197,300	341,396	300,000	225,000	300,000
701115	Workers Compensation Insurance	5,003,953	3,918,190	4,250,400	4,250,400	4,844,400
701116	Unemployment Insurance	11,138	9,625	56,000	42,000	12,000
701120	OPEB	712,000	743,000	800,000	800,480	810,000
721010	External Annual Audit	315,300	8,109	322,000	282,068	262,000
721020	Accounting Services	62	-	-	-	-
721030	Other Professional Services	2,081,717	1,568,784	2,750,000	1,728,077	2,532,400
721031	Professional Engineering testng	14,872	7,845	15,000	16,391	6,000
721121	Outside Consultant Network	4,600,296	7,670,723	4,405,000	4,051,535	6,776,000
721210	Legal Counsel	49,972	(325)	225,000	172,013	75,000
721305	Bank Charges	552	48	-	-	-
721311	ESCROW AGENT FEES	1,500	1,500	9,000	6,750	1,500
721315	Collection Agency Fees	213,485	254,964	233,800	249,853	257,500
721411	Engineering Svcs	(2,000)	230	-	-	-
721420	Appraisal & Surveyors Services	-	8,900	200	153	-
721510	Temporary Help Outside Agency	1,005,243	960,910	895,000	1,044,131	895,000
721630	Charges For Employee Phys Exm	92,782	-	95,000	80,793	87,800
721640	Laboratory Svcs	2,147	-	-	-	-
722010	Electrical Services	24,806,014	24,646,837	31,000,000	27,089,358	26,500,000

**Miami-Dade Water and Sewer Department  
Expense Summary by Account (Excluding Overhead)**

Account	Description	YTD	YTD	Fullyear	Projection	Proposed
		Actuals FY 2010	Actuals FY 2011	Budget FY 2012	Budget FY 2012	Budget FY 2013
722011	Electrical-Standby Power Fpl	2,274	267	-	-	-
722020	Natural Gas	3,448,714	3,596,695	3,670,000	3,277,919	3,750,000
722110	Water & Sewer Service	579,930	601,619	620,000	627,684	620,000
722112	Water Treatment Services	64	760	-	-	-
722114	Purchased Water	407,998	471,294	442,000	461,300	501,100
722115	Prchsd Water-City of Homestead	18,017	21,300	18,000	20,097	21,300
722116	Sludge Hauling	3,947,004	4,459,473	4,352,000	4,513,817	4,802,000
722117	Cake Hauling	-	-	3,000	2,244	3,000
722118	Calcium Carbonate Disposal	3,446,429	3,441,252	3,500,000	3,500,000	2,700,000
722123	Hazardous Waste Disposal	836,452	550,249	911,000	775,529	547,700
722130	Swm Charges Waste Disposal	95,503	131,673	156,000	133,605	141,900
722220	Other Utilities	3,821	3,709	1,000	1,692	4,000
722230	Sewer Billing-S Miami Sys-WASD	-	135	-	-	-
722310	Security Services	13,906,439	13,888,993	14,245,000	13,580,671	13,700,000
722311	Armored Car Service	29,433	28,305	30,000	29,722	28,600
722320	Laundry-Uniform Service	-	-	600	459	700
722330	Rental Uniform	136,039	217,113	231,000	234,638	263,700
722340	Exterminator Serv	23,969	33,058	30,000	33,146	38,900
722341	Janitorial Services	386,033	408,106	256,000	409,797	400,000
722360	Commercial Towing Charges	-	5,000	-	(2,561)	2,000
722370	Paving	450,108	451,746	458,800	403,468	461,300
722372	Raise Manhole Covers	194,892	414,683	300,000	306,752	342,500
722373	Ground Water Protection	428	429	2,000	1,665	1,500
722374	Digester Tank Repair	33,748	-	20,000	15,290	15,000
722377	Barricades	27,980	20,769	28,700	24,762	21,800
722378	Safety-Crane Inspectors	17,093	33,481	20,000	17,957	131,000
722420	Outside Data Printing	-	703	-	-	2,000
722430	Other Outside Contractual Svcs	4,742,930	6,200,076	8,875,000	7,179,803	9,500,000
722431	Vehicle Auction Services	2,041	-	1,000	750	1,000
722440	Contracted Repairs	4,225	-	4,300	3,390	-
723210	General Liability Insurance	1,299,366	775,508	533,500	371,199	939,000
723220	Auto Liability	69,382	226,898	193,000	200,063	263,800
723240	Fidelity Bond	4,689	-	4,800	3,603	4,800
723410	Property & Fire, Cvm, M Risk	3,086,308	3,076,560	3,100,000	3,163,957	3,000,000
724033	Commercial Tire Repair	1,384	-	-	-	-
724035	Elect./Computer Repairs	3,735	-	3,800	2,905	-
724037	Welding Repairs	27	46	-	-	-
724052	Motor Vehicles Maint	2,890	-	600	459	1,600
724130	Maint & Repair:Office Machines	676,877	340,181	235,000	194,271	243,100
724150	Repair & Maint Other Equipment	73,802	95,202	84,600	119,648	51,300
724411	Contractual Building Repair	20,318	27,098	44,000	33,638	29,500
724412	Building Maint. - Contractor	4,595	4,366	-	1,117	2,200
724413	Elevators -Outside Maint	48,920	46,200	80,600	67,157	75,100
724415	Repair Labor & Materials	12,887	2,017	13,500	10,321	19,500
724416	Fire System -Outside Maint	814	-	-	-	-
724417	Fire Systems-Testing	11,332	858	12,300	10,298	9,300
724418	Fire System-Maintenance,Repair	24,860	28,986	28,500	13,864	36,000
724420	Grounds-Tree Trimming Service	101,571	203,126	296,000	226,292	248,000
724421	Landscape-Maintenance	575,518	600,544	683,950	676,613	596,100
724422	Lot Clearing Service	-	-	16,500	12,614	7,000
724430	Grounds Landscaping	(9,731)	4,186	26,000	21,186	20,600
724431	Automatic Door Repairs & Maint	2,100	-	2,100	1,605	-
724434	Window Maintenance	741	520	-	-	3,000
724435	Electrical repairs and Maint	-	-	600	459	700
724436	Plumbing repairs & Maint	36,425	97,369	750,000	195,243	50,000
724438	Other flooring maint & repair	-	-	200	153	500

**Miami-Dade Water and Sewer Department  
Expense Summary by Account (Excluding Overhead)**

Account	Description	YTD	YTD	Fullyear	Projection	Proposed
		Actuals FY 2010	Actuals FY 2011	Budget FY 2012	Budget FY 2012	Budget FY 2013
724441	COMPUTER HARDWARE-O/S MAINT	32	9,469	-	(63)	12,000
724444	MECHANICAL REPAIRS & MAINT	78	1,775	-	-	2,000
724446	IRRIGATION/SPRINKLER REP&MAINT	627	-	1,000	765	3,000
724480	Other Outside Maintenance	-	3,434	1,000	1,185	2,700
724520	Software Maintenance	1,375,757	1,952,374	1,177,400	1,106,663	1,350,000
724570	P.C. Software	82,824	(13,245)	1,600	1,223	2,500
724573	Hardware/Cable Maintenance	294,217	248,868	180,000	198,779	208,000
724630	Radio Maintenance	37,833	(4,430)	88,800	68,571	91,300
725190	Building Leases	-	5,062	-	-	-
725211	Special Service Vehicle Leases	(1,640)	-	-	-	-
725310	Telephone Equipment	185	-	-	-	-
725313	Digital converterbox rental	-	555	-	255	2,500
725320	Terminal Equipment Rental	-	-	400	306	400
725330	Copy Machine Rental	-	-	3,000	2,294	-
725360	Other Comm Equip Rental	29,116	37,411	49,000	40,652	50,100
725420	Heavy Equipment Rental	7,778	1,076	18,000	13,761	26,000
725430	Power Generators & Distrib Rent	-	-	15,000	11,468	15,000
725510	Rent-Lease Options	128,415	210,431	202,400	225,919	212,500
725511	Payments To Lessors	616,909	682,077	600,900	312,204	709,000
725910	Other Rental Expense	51,397	118,438	26,400	39,435	34,200
725915	Temporary Trailer Rental	103,044	121,536	101,800	95,678	130,400
726015	Msd-Vo/St Materials	-	-	200	153	200
726050	Gsa Printing & Reproduction	75,313	42,417	7,700	23,323	4,700
726053	GSA Other Services	(5,685)	1,012,180	430,600	1,000,000	1,000,000
726060	Fm Lt Eq Fuel	2,996,580	3,597,595	3,097,900	3,197,825	3,633,500
726110	Data Processing Services	7,035,791	4,059,941	8,748,283	6,634,193	8,866,600
726131	It 800 Mhz Maintenance	-	520,798	761,000	761,457	720,000
726199	It Budget Only	-	3,553,698	1,146,000	2,495,764	1,158,000
726210	Police Services	147,584	151,180	175,600	127,819	175,000
726212	Environmental Services	2,563,091	3,193,504	1,490,400	1,202,449	2,076,000
726220	Internal Audit Services	-	256,667	440,000	440,264	440,000
726221	Inspector General Services	-	21,143	250,000	141,125	250,000
726225	Bond Administration Services	-	60,492	434,300	570,499	439,300
726226	Cash Management Services	-	(15,533)	50,000	50,000	50,000
726240	Other General Adm. Charges	228	(25,298)	100	76	144,200
726260	Other Chrgs-County Prvded Svcs	-	473,248	572,000	580,294	572,000
726295	General Fund Support Charges	24,585,000	14,491,000	12,346,000	12,346,000	12,869,000
726650	WASD Administrat Hearing Serv	8,225	14,686	20,000	17,301	40,000
726710	Dbcd Cntrct Rev/Compliance Svc	1,489,446	1,523,498	1,200,000	1,200,000	1,000,000
726872	Fr Heavy Equipment Labor	-	291,667	500,000	500,000	500,000
731009	Telecommun & Wireless Aircards	142,151	235,649	290,000	229,412	290,000
731010	Telephone-Regular	-	(12)	1,000	765	-
731015	Cellular Phone Service	335,374	261,978	300,000	341,416	300,000
731017	Telephone Other Chgs & Credits	(74)	-	10,000	7,645	-
731020	Outside Agency Phone-Reg.	97	-	200	153	200
731030	Western Union	92,334	(7,345)	-	-	-
731060	EDP - Communication Lines	1,514,758	1,688,763	936,000	820,665	930,000
731110	Publications	22,242	7,695	30,400	28,711	31,400
731120	Subscriptions	425	-	8,400	7,373	-
731130	Memberships	348,379	256,601	210,000	331,638	210,000
731210	Travel Expense-U.S.	32,345	43,227	79,100	84,557	77,300
731212	Travel Expense-Air Charges	7,919	19,473	43,000	34,733	40,200
731220	Registration Fees	37,303	26,283	114,300	95,084	99,500
731310	Auto Expense-Reimbursement	38,798	66,198	35,300	29,569	82,300
731320	Parking Reimbursement	71	114	1,600	1,252	700
731401	Newspapr Ad - Lgl Public notic	2,333	2,943	42,000	32,915	12,300

**Miami-Dade Water and Sewer Department  
Expense Summary by Account (Excluding Overhead)**

Account	Description	YTD	YTD	Fullyear	Projection	Proposed
		Actuals FY 2010	Actuals FY 2011	Budget FY 2012	Budget FY 2012	Budget FY 2013
731402	Newspapr Ad-Promotional	41,118	24,305	25,000	19,113	26,000
731405	Online Advertising-Emplymnt	-	-	500	382	300
731407	Outdoor Advertising	53,581	62,500	89,500	69,623	89,500
731408	Radio Advertising	268,282	160,183	160,000	122,320	160,000
731409	Television Advertising	47,278	308,035	293,500	224,381	293,500
731410	Legal Ads And Public Info	261,455	3,387	38,500	29,433	-
731412	Comm Periodical Adv (CPP)	38,507	-	-	-	-
731420	Sponsorships/Mrk items promo	20,252	153,769	147,000	112,331	192,000
731510	Outside Printing	260,184	100,853	322,800	246,984	321,800
731522	Photographic Services	20,754	20,339	30,400	35,065	27,700
731611	Postage-Regular Mail	879,726	822,243	894,000	892,139	864,200
731612	Express Mail	-	-	400	306	300
731613	Shipping Charges	108,145	95,236	101,800	103,893	101,300
731620	Messenger Services	16,953	21,593	50,000	40,162	29,800
731810	Cashier Shortages And Overages	560	618	300	345	500
731813	Counterfeit Bills	189	290	-	50	-
731820	Bad Debts	3,022,170	2,174,635	2,000,000	2,000,000	2,500,000
731831	Penalties & Fines	58,815	152,497	206,000	178,457	153,800
732010	Inservive Training	15,672	24,472	67,500	51,764	77,200
732011	Safety-Training Seminars & Mat	1,615	650	4,100	3,154	3,100
732020	Educational Seminars	58,199	31,598	102,000	84,218	84,200
732021	Educational Materials	14,830	4,827	22,300	27,754	13,400
732030	Computer Training	-	10	-	-	-
732139	Reimbursement Miscellaneous	9	(3)	300	694	300
732221	Payment Of Property Taxes	12,000	8,634	12,500	23,667	8,700
732230	Excise Tax	3,338	1,052	100	(44)	-
732240	Vehicle Licenses & Regist Fees	252	1,575	700	535	1,600
732250	License & Permit Fees	435,127	386,060	519,100	428,848	691,000
732260	Lien Recording fee	-	290	21,000	16,055	22,000
733010	Moving Expenses	-	4,190	-	-	-
733016	Employment Processing/Screenin	1,417	-	-	-	-
733050	Other General Operating Serv	-	1	-	-	-
733054	Safety- Compliance Expense	142,748	25,443	209,800	186,003	90,000
733055	Discounts Taken	-	(85)	-	-	-
733300	WASD - Vehicle Charges	5,135,391	5,297,137	4,730,000	4,848,930	5,259,300
733301	Auto Equipment	40	2,076	-	-	2,100
733304	Fee to record leins	52,220	41,040	53,300	52,938	41,500
733352	G&A Capital Overhead	(21,458)	(17,821)	-	51	-
733354	G&A Capital Overhead Offset	(9,844,846)	(11,156,993)	(9,500,000)	(10,024,395)	(10,500,000)
733355	Other General & Administrative	309,712	359,578	78,000	88,120	66,000
733356	Allocation Ca,Cs & G&A Expense	121,808,948	107,803,042	98,202,822	99,163,813	-
733357	Allocation Charges (Source)	(121,605,672)	(107,797,706)	(98,202,822)	(99,088,660)	-
733491	Water Conservation Rebates	362,556	126,935	399,800	300,362	398,000
741010	Motor Fuel	-	-	1,000	765	-
741012	Fuel Oil-Heating	-	-	500	382	-
741015	Diesel Fuel	2,528,007	3,177,526	4,960,000	4,146,050	4,000,000
741019	Liquified Petroleum Gas	34	81	-	-	-
741020	Compresseed Natural Gas (Cng)	-	205	100	168	500
741022	Other Fuels And Lubricants	537,478	530,285	600,000	605,187	600,400
743011	Repair Parts-Tractprs & Mowers	-	-	20,000	15,290	10,000
743012	Tires & Tubes	287	678	600	1,126	300
743013	Repair Parts-Auto	80,779	102,709	94,000	92,631	100,400
743014	Repair Parts - Other than Auto	3,391	-	4,000	3,527	100
743020	Batteries	528	1,500	2,000	1,529	2,200
743021	Paint-Automotive	-	657	-	-	700
743022	Mechanical Maint-Auto Supplies	2,167	18,375	5,000	3,916	15,000
743099	Auto Repair & Maint Sup-Bud On	-	-	-	48	-
743110	Repair Parts	-	2,802	-	2,594	3,000

**Miami-Dade Water and Sewer Department  
Expense Summary by Account (Excluding Overhead)**

Account	Description	YTD	YTD	Fullyear	Projection	Proposed
		Actuals FY 2010	Actuals FY 2011	Budget FY 2012	Budget FY 2012	Budget FY 2013
743112	Wall & Window Coverings	3,900	-	-	-	-
743117	Carpets	-	-	-	1,807	-
743120	Mechanical Maint-Parts & Suppl	6,723,805	7,432,037	6,050,000	6,301,036	5,634,200
743121	Air Conditioning Repair Parts	227,929	407,411	300,000	282,757	574,900
743123	Paint-Building	265,719	300,938	300,000	290,262	230,500
743125	Sign Material	-	174	-	-	-
743210	Equipment Repair Parts	7,388	6,600	12,000	16,775	18,900
743211	Equipment Installation	111	6,515	100	733	6,000
743212	Computer Hdwre less than\$1000	967,758	236,928	249,000	267,191	237,200
743213	Computer Hdwre > \$1000	-	(596)	-	-	-
743220	Expendable Tools	365,193	407,763	400,000	377,978	449,700
743221	Fm Expendables	-	7,144	-	-	7,000
743231	Communication Equip (Non-Cap)	14,820	35,453	16,000	17,617	17,900
743245	Fire Equipment-Miscellaneous	485	1,926	1,500	3,870	5,000
743246	Fire Equipment - Extinguishers	3,495	3,232	8,200	6,295	6,400
743260	Plant Equipment - Operational	15,107	25,747	15,400	10,704	11,400
743261	Pump Stations - Equipment	14,435	23,098	14,600	11,364	23,000
743264	Shop Equipment	51,416	59,740	54,000	60,458	53,000
743265	Electronic Equip-Non Office	29,128	21,573	31,000	23,803	43,600
743267	RADIO PARTS	64,426	48,594	48,000	47,325	52,600
743299	Equip & Non-Cap Tools(Budget)	4,187	7,472	8,400	6,422	24,000
743510	Other Repair & Maint Supplies	6,971	3,188	7,100	5,428	7,600
743520	Rep & Maint Supplies(Budget)	26	2,387	-	-	-
743522	Other Repair & Maint-Cctv Syst	-	-	-	1,535	-
743525	Other Rep & Maint-Electrical	112,138	124,611	6,400	31,814	41,500
743526	Other Repair & Maint-Plumbing	2,495	2,115	-	455	-
743599	Other Rep & Maint.Supplies(Bud)	-	739	-	-	-
745010	Building Materials	302,697	356,438	325,000	329,744	255,400
745011	Electrical Fixtures & Supplies	3,230,302	2,527,669	3,200,000	3,239,316	3,287,000
745012	Plumbing Fixtures And Supplies	2,152,254	2,610,381	2,500,000	2,566,402	2,741,000
745015	Mechanical Supplies	171,454	10,393	26,500	20,259	25,000
745016	Painting Supplies	131,000	217,954	52,200	57,612	16,900
745017	Welding Supplies	27,559	47,316	29,000	29,370	49,200
745019	Other Construct Mat & Supplies	1,467,036	1,156,390	1,550,000	838,171	1,166,000
745021	Street Light Materials	1,013	-	1,000	765	500
745022	Traffic Signal Materials	255	-	-	-	100
745024	Sign Materials	4,302	8,286	8,400	8,504	9,800
745025	Pavement Marking Materials	-	-	-	1,222	-
745027	Air Stripping Media	-	491	500	382	500
745028	Asphalt	316,550	240,760	323,000	313,202	243,900
745029	Sod	7,635	16,484	8,700	13,451	17,000
745030	Payment Guardrail Fence	1,895	-	2,000	1,529	-
745031	Electronic Parts/Pumps/Motors	144,968	166,042	162,300	162,427	130,000
745032	Locksmith supplies	3,813	497	4,400	3,727	3,600
745033	Irrigation supplies	427	-	500	382	-
745099	Const. Mat & Supplies(Budget)	-	583	-	-	-
747010	Office Supplies	457,122	209,114	400,000	370,232	336,000
747011	Gsa Central Service Supplies	1,524	1,065	500	382	1,100
747012	Miscellaneous Supplies	35,483	38,308	28,000	38,205	30,600
747013	Printing & Reproduction Suppli	49	2,801	600	475	1,600
747014	Toner Supplies	111,834	94,110	124,000	114,239	118,000
747015	Paper (Copier/Printer)	99,604	87,980	123,000	110,114	103,000
747020	Office Equip Less Than \$750	2,884	200	5,000	3,823	1,600
747021	Other Minor Equip < \$750	19	254	200	153	100
747022	Furniture Less Than \$750	698	1,561	6,000	5,167	6,400
747030	Edp Software Package < \$750	721	-	1,000	904	1,000
747031	Office Equip Less Than \$1,000	2,015	15,622	6,000	5,562	7,900

**Miami-Dade Water and Sewer Department  
Expense Summary by Account (Excluding Overhead)**

Account	Description	YTD	YTD	Fullyear	Projection	Proposed
		Actuals FY 2010	Actuals FY 2011	Budget FY 2012	Budget FY 2012	Budget FY 2013
747032	Other Minor Equip < \$1,000	3,546	19,362	4,000	6,137	20,600
747033	Furniture Less Than \$1,000	5,297	17,614	9,000	8,280	13,400
747034	Edp Software Package < \$1,000	-	752	-	-	1,000
747035	ID CARD SYSTEM SUPPLIES	-	116,170	200,000	173,100	200,000
747099	Office Supp & Minor Equip-Bud	-	163	-	-	-
747110	Computer Supplies	-	1,396	-	317	1,200
749010	Rodenticides	-	-	-	-	100
749014	Miscellaneous Chemicals	353,027	323,412	4,275,000	1,351,057	7,462,000
749016	Chlorine	2,530,541	3,609,993	3,762,000	3,507,457	3,800,000
749018	Ammonia	225,318	291,353	264,000	256,664	292,000
749019	Liquid Caustic Soda	1,036,508	1,671,286	1,182,000	1,199,202	1,715,000
749020	Liquid Oxygen - Bulk	(4,342)	81,467	60,000	59,520	110,000
749021	Hydrogen Peroxide	451,015	904,850	1,060,000	1,015,540	1,060,000
749022	Odor Counteractants	56,725	109,842	66,000	47,884	106,000
749023	Lime	6,974,195	8,396,477	7,561,000	7,557,720	8,397,000
749024	Sodium Hypochlorite	88,948	97,972	259,000	214,577	260,000
749025	Silicate	352,691	454,588	434,000	395,645	458,000
749026	Grout	99,896	37,562	100,000	92,548	100,000
749027	Sodium Polyphosphate	671,851	659,539	800,000	730,787	662,000
749028	Polymer-Gravity Thickening	191,871	359,028	400,000	416,238	400,000
749029	Potassium Permanganate	392,012	219,650	464,000	351,210	465,000
749030	Polymers-Sludge Dewatering	894,825	1,127,065	1,200,000	1,191,465	1,200,000
749031	Polymers	128,693	119,686	137,000	134,939	128,700
749033	Construct Chemical And Related	-	-	5,000	3,750	-
749035	Liquid Carbon Dioxide	610,118	604,377	624,000	573,142	628,000
749037	Laboratory Supplies	1,941	1,166	2,000	1,965	2,000
749038	Chemical Inventory Adjustment	38,093	(475,857)	-	135,805	-
749039	Fluorosilicic Acid	864,976	467,710	868,000	731,261	3,000
749219	Laboratory Supplies	216,969	324,297	346,000	334,607	358,000
749230	Paper Goods	-	12	-	-	-
749234	B.P.I. Contracted Food Costs	998	-	2,000	1,529	2,000
749237	Cleaning Supplies	173,482	169,811	148,000	147,487	137,600
749242	Floor Maint Supplies	550	-	-	-	-
749245	Housekeeping Supplies	127	-	-	-	-
749310	Clothing And Uniforms	73,844	133,084	131,000	115,608	164,000
749311	Safety Shoes	206,383	197,847	220,000	198,171	210,000
749317	Safety Protective Clothing	8,458	878	5,000	3,823	7,200
749610	Photographic Supplies	-	122	-	-	-
749612	Electronic Equip Incl Aud/Vis	5,628	1,513	16,000	12,232	14,000
749650	Safety Equipment And Supplies	633,092	602,841	669,000	651,642	634,000
749651	Refrigerators Less Than \$500	-	-	-	524	-
749660	Misc Other Operating Supplies	600,565	424,983	708,000	587,567	600,000
749699	Other Mat & Supplies(Budget)	-	127,527	-	-	-
<b>g &amp; Maint Expenses</b>		<b>349,631,632</b>	<b>332,811,046</b>	<b>333,981,641</b>	<b>328,258,981</b>	<b>349,250,219</b>
<b>re Hydrant Capital</b>		<b>41,833,000</b>	<b>66,685,000</b>	<b>54,602,000</b>	<b>54,685,000</b>	<b>47,712,000</b>
		<b>391,464,632</b>	<b>399,496,046</b>	<b>388,583,641</b>	<b>382,943,981</b>	<b>396,962,219</b>
Operating Payroll		193,891,343	177,677,272	165,245,708	174,925,454	178,924,819
Operating Line Items		155,740,289	155,133,774	168,735,933	153,333,527	170,325,400
Capital R&R and Fire Hydrant Transfers		41,833,000	66,685,000	54,602,000	54,685,000	47,712,000
<b>RFRO Expenditures</b>		<b>\$ 391,464,632</b>	<b>\$ 399,496,046</b>	<b>\$ 388,583,641</b>	<b>\$ 382,943,981</b>	<b>\$ 396,962,219</b>
			2.05%	-2.732%	-4.143%	3.66%
Operating Payroll Percent		55%	53%	49%	53%	51%

## Information

Name: Water and Sewer Department (FY 2011-12)

Description: The Miami-Dade Water and Sewer Department (MDWASD) is a proprietary fund county department, established to provide water and wastewater services throughout Miami-Dade County. The services consist of water treatment, transmission, and distribution; and wastewater collection, treatment, and disposal.

Domain: Water and Sewer

Owners: Renfrow, John; Haney, Rose

## Details

Name	As Of		Actual	Business Plan Goal		FYTD Actual	FYTD Goal																																												
▼ 1.0 Customer																																																			
▼ 1.1 Maintain high level of responsiveness to customer service requests (GG1-2) (WASD)																																																			
Percent of all non-emergency requests/calls dispatched in less than 3 business days	'12FQ1	▲	98.63% (359.00/364.00)	95.00%	▲	98.63% (359.00/364.00)	95.00%																																												
Response time to sewage overflows	'12FQ1	▲	35 min	55 min	▲	35 min	55 min																																												
WASD Percentage of Buck-slips Responded to within Two weeks	Feb '12	▲	100%	100%	▲	100%	92%																																												
Final Plan review approval turn-around time	Feb '12	▲	7days	10days	▲	7days	10days																																												
▼ 1.2 Continue to make information available to customers in a timely manner (GG1-1) (WASD)																																																			
Average call wait time monthly (WASD- Retail Customer Service)	Feb '12	▼	1,410.00sec	900.00sec	▼	1,303.00sec	900.00sec																																												
Percentage of calls answered within the two-minute threshold (monthly)	Feb '12	▼	4.82%	20.00%	▼	8.90%	20.00%																																												
▼ 1.3 Ensure compliance with 20-Year Water Use Permit (NI2-1)																																																			
<table><tr><th>Initiative Name</th><th>Type</th><th>As Of</th><th>Status</th><th>▲</th><th>▼</th><th>▲</th><th>▼</th><th>🎯</th><th>%</th><th>Owners</th></tr><tr><td>Monitor Phase 1 : (AWS) Alternative Water Supply Project Development Program</td><td></td><td>3/16/2012</td><td>In Progress</td><td>▲</td><td>▼</td><td>▲</td><td>▼</td><td>🎯</td><td>64%</td><td>Goldenberg, Bertha; Water and Sewer</td></tr><tr><td>WUP Accelerated Projects (Sortie)</td><td></td><td>3/15/2012</td><td>In Progress</td><td>▲</td><td>▲</td><td></td><td></td><td>🎯</td><td></td><td>Hernandez, Patricia M.</td></tr><tr><td>HLD Accelerated Projects (Sortie)</td><td></td><td>3/14/2012</td><td>In Progress</td><td>▲</td><td>▲</td><td></td><td></td><td>🎯</td><td></td><td>Hernandez, Patricia M.</td></tr></table>								Initiative Name	Type	As Of	Status	▲	▼	▲	▼	🎯	%	Owners	Monitor Phase 1 : (AWS) Alternative Water Supply Project Development Program		3/16/2012	In Progress	▲	▼	▲	▼	🎯	64%	Goldenberg, Bertha; Water and Sewer	WUP Accelerated Projects (Sortie)		3/15/2012	In Progress	▲	▲			🎯		Hernandez, Patricia M.	HLD Accelerated Projects (Sortie)		3/14/2012	In Progress	▲	▲			🎯		Hernandez, Patricia M.
Initiative Name	Type	As Of	Status	▲	▼	▲	▼	🎯	%	Owners																																									
Monitor Phase 1 : (AWS) Alternative Water Supply Project Development Program		3/16/2012	In Progress	▲	▼	▲	▼	🎯	64%	Goldenberg, Bertha; Water and Sewer																																									
WUP Accelerated Projects (Sortie)		3/15/2012	In Progress	▲	▲			🎯		Hernandez, Patricia M.																																									
HLD Accelerated Projects (Sortie)		3/14/2012	In Progress	▲	▲			🎯		Hernandez, Patricia M.																																									
Gallons of water saved per day (GPD) through implementation of the Water Use Efficiency Plan	'12FQ1	▲	478,403GPD	375,000GPD	▲	478,403GPD	375,000GPD																																												
<table><tr><th>Initiative Name</th><th>Type</th><th>As Of</th><th>Status</th><th>▲</th><th>▼</th><th>▲</th><th>▼</th></tr></table>								Initiative Name	Type	As Of	Status	▲	▼	▲	▼	🎯	%	Owners																																	
Initiative Name	Type	As Of	Status	▲	▼	▲	▼																																												
Water Use Efficiency 20-Year Plan		12/31/2011	In Progress	▲	▲	▲	▼	🎯	18%	Goldenberg, Bertha; Fries, Donna																																									

| 20-YR WUP Compliance Rate (in percent %) | Feb '12 | ▲ | 100% | 90% | ▲ | 100% | 90% |
| Water Distribution Integrity Rate (%) (Monthly) | Feb '12 | ▲ | 2.48 (196.00/7,892.00) | 4.26 | ▲ | 12.25 (967.00/7,892.00) | 21.30 |

## ▼ 2.0 Financial

### 2.2 Meet Budget Targets (Water and Sewer) (GG4-2)

Revenue: Total (Water and Sewer)	'12FQ1		\$195,074K	\$148,989K		\$195,074K	\$148,989K
Expen: Total (Water and Sewer)	'12FQ1		\$131,601K	\$148,989K		\$131,601K	\$148,989K
Capital Improvement Expenditure Ratio (in Percent)	'12FQ1		74% (48,055,428/65,339,000)	60%		74% (48,055,428/65,339,000)	60%
Revenue: Carryover (WASD)	'12FQ1		\$60,652K	\$15,163K		\$60,652K	\$15,163K
Revenue: Proprietary (WASD)	'12FQ1		\$134,422K	\$129,752K		\$134,422K	\$129,752K
Revenue: Interagency/Intradepartmental (WASD)	'12FQ1		\$0K	\$4,054K		\$0K	\$4,054K
Expenditure: Personnel Costs (WASD)	'12FQ1		44,669	41,311		44,669	41,311
Expenditure: Court Costs (WASD)	'12FQ1		0	0		0	0
Expenditure: Contractual Services (WASD)	'12FQ1		9,950	19,571		9,950	19,571
Expenditure: Other Operating (WASD)	'12FQ1		10,472	14,756		10,472	14,756
Expenditure: Charges for County Services (WASD)	'12FQ1		7,258	7,857		7,258	7,857
Expenditure: Capital (WASD)	'12FQ1		\$681K	\$13,651K		\$681K	\$13,651K
Expenditure: Transfers Out (WASD)	'12FQ1		0	0		0	0
Expenditure: Debt Service (WASD)	'12FQ1		44,655	37,844		44,655	37,844
Expenditure: Reserves (WASD)	'12FQ1		13,916	13,916		13,916	13,916
Expenditure: Intradepartmental Transfers (WASD)	'12FQ1		0	63		0	63
Positions: Full-Time Filled (WASD)	'12FQ1		2,354	2,624 (2,493-2,624)		2,520	2,817 (2,662-2,817)
Capital Infrastructure Improvements Ratio (in percent) General Obligation Bonds (GOB) Funds	'12FQ1		103% (1,725,753/1,672,750)	30%		103% (1/0)	30%

### 3.0 Internal

#### Methane Sequestration from Landfill and Digesters - WASD (NI2-1)

Initiative Name	Type	As Of	Status						%	Owners
Initial EECBG Grant Application (OSEARRAECC05)		9/30/2009	Complete						100%	Hendriks, Vilma F.
Contract Procurement (OSEARRAECC05)		2/15/2012	Complete						100%	Hendriks, Vilma F.
Project Implementation (Landfill Gas Pipeline)		12/31/2010	Complete						100%	Hendriks, Vilma F.
Mobilization (Landfill Gas Pipeline)		12/31/2010	Complete						100%	Hendriks, Vilma F.
Preparation of Construction Site (Landfill Gas Pipeline)		1/31/2011	Complete						100%	Hendriks, Vilma F.
Installation of 8" HDPE pipeline (Landfill Gas Pipeline)		3/15/2012	In Progress						80%	Hendriks, Vilma F.

ARRA Dollars Awarded	Feb '12		\$1,800,354	\$1,800,354		\$1,800,354	\$1,800,354
ARRA Dollars (\$) Spent to Date	Feb '12		\$1,446,532.00	\$10,396,806.57		\$4,259,670.00	\$46,284,032.85

### 3.0 Internal

#### 3.1 Continue implementation of water and wastewater system capital projects (NI2)

Initiative Name	Type	As Of	Status						%	Owners
Develop Integrated Facilities Master Plan, including 2008 Ocean Outfall Legislation Plan		3/16/2012	In Progress						44%	Fallon, Howard; Water and Sewer
Percentage (%) of GOB Project on Schedule	Feb '12		80%						80%	80%
Initiative Name	Type	As Of	Status						%	Owners
GOB Project Progress Summary		3/12/2012	In Progress							Chen, Rena; Abreu, Reynaldo J.
<b>▼ 3.2 Provide Stewardship to the CDMP and Zoning Application Process. (WASD) (NI1-1)</b>										
(%) Percent of CDMP comments submitted timely	'12FH1		100 (3/3)						80	100 (3/3)
(%) Percent of DIC comments provided timely	'12FQ1		100 (4/4)						80	100 (4/4)
<b>▼ 3.3 Continue to fully comply with drinking water standards (NI2-1)</b>										
Primary distribution system maintaining 35 lbs.psi -WASD	'12FQ2		99.00%						99.00%	99.00%
Compliance with drinking water standards (% Days)	Feb '12		100.00%						100.00%	100.00%
Water Distribution Valves Exercised	'12FQ1		4,023						4,750	4,023
<b>▼ 3.5 Continue to ensure the proper maintenance and operation of sewage system -Wastewater (NI2-1)</b>										
Percentage of pumps in service	Feb '12		98.30%						99.00%	97.96%
Percent compliance wastewater effluent limits	'12FQ1		88.77%						100.00%	88.77%
Sewer Overflow Rate (Per 100 Miles of Pipe)	'12FQ1		0.80 (50.00/6,271.00)						1.25	0.80 (50.00/6,271.00)
Wastewater Mainline Valves Exercised	'12FQ1		1,515						1,500	1,515
Lift Station Failure Rate	'12FQ1		0.05 (3.00/6,254.00)						2.00	0.05 (3.00/6,254.00)
Wastewater Treatment Effectiveness Rate (Permitted) (Quarterly)	'12FQ1		83.2% (76.5/92.0)						100.0%	83.2% (76.5/92.0)
SCADA Network Availability Ratio	Feb '12		100.00% (696.00/696.00)						98.00%	99.95% (3,646.00/3,648.00)
<b>▼ 3.6 Continuously Improve Government (WASD) (GG4/GG6-1)</b>										
WASD Efficiency Project Savings	'12FQ1		\$75,414						\$100,000	\$75,414
TOTAL MDWASD Electrical Usage (from FPL only) Fiscal Year (KWH) (GG6-1)	2011FY		328,463,890kwh							n/a
Energy Consumption Efficiency for: Water Supply, Treatment and Distribution (KWH/MG) (GG6-1)	2011FY		1,228KWH/MG						n/a	n/a

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Energy Consumption Efficiency for: Wastewater Collection, Treatment, and Disposal (KWH/MG) (GG6-1)	2011FY	1,812KWH/MG	n/a	n/a	n/a
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## 3.7 Complete Utility Relocations for Miami Harbor Deepening Project at Government Cut Channel on schedule (NI2/NI2-1)

Percent (%) completion of Pipeline Relocation Projects required for Miami Harbor Deepening Project at Government Cut Channel	'12FQ1		60%	60%		60%	60%
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Initiative Name	Type	As Of	Status						%	Owners
20" Water Main Relocation Under Fisherman's Channel Between Port of Miami and Fisher Island		3/5/2012	In Progress						92%	Vega, Eduardo; Fernandez-Cuervo, Victor; Li, Lin; Stebbins, Robert; Water and Sewer
54" Sewage Force Main "Micro-tunnel" Relocation Under Government Cut Between South of Miami Beach and Fisher Island		3/5/2012	In Progress						30%	Vega, Eduardo; Fernandez-Cuervo, Victor; Li, Lin; Stebbins, Robert; Water and Sewer
Procure "Contract Administration & Construction Management" Consultant Agreement and Issue 1st Task Order		9/30/2010	Complete						100%	Fernandez-Cuervo, Victor; Li, Lin; David, Patty; Vega, Eduardo; Water and Sewer
Procure Design/Build Criteria Consultant Agreement and Issue 1st Task Order		3/31/2009	Complete						100%	Fernandez-Cuervo, Victor; Li, Lin; David, Patty; Vega, Eduardo; Water and Sewer

## 3.8 Provide reliable computing and telecommunication services (WASD) (GG3-1)

Network Availability Ratio (%)	Feb '12		100.00% (31,161.97/31,163.31)	94.00%		99.91% (162,582.05/162,731.27)	94.00%
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## 4.0 Learning and Growth

### 4.1 Provide Education, training & Technology to develop an Efficient and Flexible Workforce (GG2-2/GG3-1)

Training Hours per Employee (Quarterly)	'12FQ1		0.97 (2,272.00/2,348.00)	2.50		0.97 (2,272.00/2,348.00)	2.50
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### 4.2 WASD Operations Facts and Figures

Total MDWASD Population Served (Potable Water Service)	2011FY	2,334,084	n/a	n/a	n/a
Total MDWASD Population Served (Wastewater Collection/Treatment)	2011FY	2,245,182	n/a	n/a	n/a

## Linked Objects

### Child Scorecards (6)

Name	Owners
WASD - Legislative and Municipal Affairs	Austin, Mara; Armao, Julie
WASD - Public Affairs Office	Legas, Adrienne

# Print Preview - Scorecard - Water and Sewer Department (FY 2011-12)

WASD - Public Affairs Office	Lamar, Adriana
WASD - Budget, Funding and Strategic Management	Velar, Peter; Haney, Rose; Suarez, Maria; Charran, David
WASD - Deputy Director Operations	Ruiz, Joseph; Guzman, Vivian
WASD - Deputy Director Regulatory Compliance and Capital Improvements	Yoder, Doug
WASD - Sustainability Efforts	Goldenberg, Bertha; Negahban, Sherry; O'Rourke, Richard; Caveda, Ana T.; Fries, Donna

## ▼ Parent Scorecards (1)

Name	Owners
Neighborhood and Infrastructure Services Strategic Area	Miami-Dade County

## ▼ ActiveViews (0)

## ▼ Initiatives (0)

## ▼ Objectives (14)

Name	Owners
Maintain high level of responsiveness to customer service requests (GG1-2) (WASD)	Lamar, Adriana; Garcia, Marcelo; Concepcion, Harold ; Water and Sewer
Continue to make information available to customers in a timely manner (GG1-1) (WASD)	Concepcion, Harold; Water and Sewer
Ensure compliance with 20-Year Water Use Permit (NI2-1)	Goldenberg, Bertha; O'Rourke, Richard; Negahban, Sherry; Water and Sewer
Meet Budget Targets (Water and Sewer) (GG4-2)	n/a
Methane Sequestration from Landfill and Digesters - WASD (NI2-1)	Renfrow, John
Continue implementation of water and wastewater system capital projects (NI2)	Yoder, Doug; Water and Sewer
Provide Stewardship to the CDMP and Zoning Application Process. (WASD)(NI1-1)	Valdes, Maria A.
Continue to fully comply with drinking water standards (NI2-1)	Terrero, Ralph
Continue to ensure the proper maintenance and operation of sewage system -Wastewater (NI2-1)	Arrebola, Vicente; Water and Sewer
Continuously Improve Government (WASD) (GG4/ GG6-1)	Velar, Peter
Complete Utility Relocations for Miami Harbor Deepening Project at Government Cut Channel on schedule (NI2/NI2-1)	Fernandez-Cuervo, Victor
Provide reliable computing and telecommunication services (WASD) (GG3-1)	Viera, Deborah
Provide Education, training & Technology to develop an Efficient and Flexible Workforce (GG2-2/GG3-1)	Water and Sewer
WASD Operations Facts and Figures	Arrebola, Vicente; Terrero, Ralph; Goldenberg, Bertha ; Water and Sewer

## ▼ Program Groups (0)

## ▼ Tasks (0)

Commentary

Action Items

		Due Date	Status ▲	Action	Owners
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Comments

Date ▼	Author	Comment
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Attachments & Links

▼ External Links (1)

	Name	Created By
	2008 County Resident Satisfaction Survey Results	Palou, Nora

▼ Attachments (0)