



miamidade.gov

Water and Sewer
PO Box 330316 • 3071 SW 38 Avenue
Miami, Florida 33233-0316
T 305-665-7471

VIA ELECTRONIC CORRESPONDENCE

January 29, 2016

CCN: 60001
File No: 8.DC.20.32

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
RE: DOJ No. 90-5-1-1-4022/1
Walter.Benjamin.Fisherow@usdoj.gov

Chief, Clean Water Enforcement Branch
Water Protection Division
Attn: Brad Ammons
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Ammons.Brad@epa.gov

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
Rachael.Kamons@usdoj.gov

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Diane.Pupa@dep.state.fl.us

**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM)
Reference DOJ Case No. 90-5-1-1-4022/1
Section VI – Financial Analysis Program, Paragraph 19(j)
Response to EPA and FDEP Comments on the Financial Analysis Program**

Dear Sir/Madam:

On November 25, 2015, Miami-Dade County received comments on the Financial Analysis Program (FAP), set forth in Paragraph 19(j) of the above referenced Consent Decree (CD), from the United States Environmental Protection Agency (EPA) and the Florida Department of Environmental Protection (FDEP). Please see the comments below and the County's response.

Comments on Financial Analysis Program submitted 12/4/2014

1. Paragraph 19.(j).(i). of the CD requires that the FAP must regularly analyze and project future utility costs needed to effectively manage, operate, and maintain the wastewater system, including the implementation of the CMOM programs listed in the Consent

Decree. The cost analyses must address capital requirements, labor, including staffing, and equipment and materials.

- a. The FAP does not address the above. While Table 3 (pg. 9) outlines O&M costs for the wastewater system, further breakdown needs to be submitted. Most of the detailed costs are capital improvement projects. There is no analysis if the list of projects are sufficient or needed.

MDWASD Response:

In response to Table 3 O&M expenditure details, (See Attachment (A)) Statements Revenue and Expenses, Wastewater System by sewer functions with account details. See revised Table 4, a list of capital projects funded mainly with bonds.

In response to last sentence please refer to pg. 14, 2nd paragraph, which states “The process begins with the identification of the need for capital projects. Capital projects generally support capacity expansion or regulatory compliance requirements. Department planning staff determine the best way to meet these needs through a master planning process that appears to be somewhat static – that is, it takes a snapshot of the current water and wastewater systems and the perceived need for improvements at a point in time and develops a series of capital projects considered to be the best group possible to meet the needs. The projects are scheduled and moved forward for budgeting, financing, and implementation. Also see pg. 12, 3rd paragraph, which states “The MYCIP is prepared from the bottom up. Assistant Directors (ADs) and Division Chiefs (DCs) submit project requests to the Capital Planning and Coordination Section (CPCS). Project requests include project description, cost estimates, implementation schedule by project phase and annual expenditure schedules, indication of project location and service area. CPCS compiles reviews and analyzes this information and questions or information gaps are sent back to the ADs and DCs for completion, then it is an iterative process to clarify, obtain additional information, priorities from the AD and DCs for completion.”

Since the FAP was the first CMOM Program to be submitted a detailed analysis of the implementation of the subsequent individual CMOM Programs was not included therein. The staffing and resources funding required for the implementation of the programs are outlined in the individual programs.

- b. The budget process appears to address deteriorating facilities (capital improvements) as required by the Consent Decree. There is no analysis of whether or not these capital improvements are being implemented as quickly as needed.

MDWASD Response:

The budget process includes all capital projects including but not limited to CD projects. Please refer to pg. 29 for internal program management reporting. Additionally, AECOM, the CD program manager, provides monthly status reports on Consent Decree compliance. Also see pg. 12, 2nd and 3rd paragraph which states “The development of the MYCIP incorporates an extensive planning process that assesses alternatives for meeting the Department’s requirements, scheduling requirements, financing requirements, impacts on operation and maintenance, and contracting. The MYCIP lists each proposed capital project, the year it is expected to be started, the amount expected to be expended in each year of the program, and the proposed method of funding these projects. The first year of the Department’s Capital Plan is the current fiscal year’s capital budget.

In addition, the schedule for the CD CIPs has been established and approved by the EPA, FDEP and County.

- c. The budget does not include any reserve funding for unexpected events that may be caused by third parties or natural disasters such as major sewage spills due to structural failure, contractor damage, etc. An extreme example is the 72-inch force main failure on 6/18/2010, which spilled 20 million gallons into the Biscayne Canal. Several 1 million gallon or more spills have occurred since then. Typically, a 10 percent reserve is needed to address unforeseen events.

MDWASD Response:

The department maintains water and sewer general reserve fund and a 60 day operating reserve to address unexpected events. Please refer to Table 3 last line. Also, please reference pg. 5, Section 3, 7th bullet “Annual Budget Development which states “Development of the Budget shows, estimated operating revenues based on any proposed rate increases, estimated operating expenses including any additional expenses associated with new projects coming on line, non-operating revenues and expenses including debt service, estimated fund balances for rate stabilization, general reserve, and the Department’s required 60-day operating reserve, and estimated debt service coverage for both senior debt on outstanding bonds or planned revenue bonds and other secondary debt; the Proposed Budget also includes the assumptions applied in its development.”

- d. MDWASD is relying on Consultant Engineers to address the proper funding and operation of the utility. This function should be handled by County staff and not hired temporary consultants.

MDWASD Response:

MDWASD does not rely on Consultant Engineers to address proper funding. The County does, however, rely on specialized expertise for the development of the budget. This is performed by in-house staff as referenced on pg. 5, Section 3, "Annual Budget Development". Additionally, in accordance with MDWASD's Bond Ordinance 93-134, Section 607 states "the consultant shall prepare and file a report setting forth their recommendations as to any necessary or advisable revisions of rates and charges and any such recommendations as they may deem desirable."

Further, the departments Personnel Plan is covered under other CMOM program requirements by the CD. Consultants were used to develop the CMOM Programs, however, MDWASD staff was involved in identifying staffing needs.

2. Paragraph 19.(j).(ii). of the CD requires the FAP to analyze, project, plan for, and finance capital improvement needs through engineering studies, assess wastewater system condition, analyze historical wastewater system management, operations, and maintenance costs, and effectively manage wastewater infrastructure assets, including the improvements required by the CD. The capital planning program must use a 5-year planning horizon and be updated annually.
 - a. The FAP did not include engineering studies nor analysis if the list of capital improvement projects are sufficient or needed.

MDWASD Response:

This is addressed in the Sewer System Asset Management Program (SSAMP). The SSAMP will provide an asset management framework to include: 1) an asset management policy, 2) an asset management strategy, 3) asset management objectives, and 4) specific asset management plans. Once implemented, the Program will be the basis for capital planning. Please refer to pg. 14, 2nd & 3rd paragraph, Section 4.1 MYCIP Development, Planning, and Delivery Process. MDWASD Planning Section consists of Professional Engineers who perform the master planning process.

- b. The asset management program and CMOM program will eventually list each asset in the County and determine when the asset reaches the end of its useful life. The key to the financial plan is to develop for each asset the costs to extend the useful life or the costs to replace the asset. Then, the financial plan covers how the County will fund the costs. Essentially, there are four methods:
- i. Cover the actual year expense with rate revenues,
 - ii. Place a prorated amount each year into the renewal and replacement account,
 - iii. Sell bonds to cover future capital needs, or
 - iv. A combination of the three.
- The FAP needs to be more specific as to how it will fund these projects.

MDWASD Response:

As stated above, once the SSAMP has been implemented, MDWASD will fund its asset management program and its CMOM program annually. The department uses two methods. The renewal and replacement fund is funded on a prorated basis and Revenue bonds are sold when needed. Also, please refer to pg. 6, paragraph 2, which states “The budget is developed through a detailed analysis of historical values, operation and maintenance requirements, analysis of the effects of inflation and labor agreements, requirements for asset renewal and replacement, and requirements for the development of new capital projects. Most of the costs for new capital projects are met through the issuance of debt, and the budget includes expenses for existing debt as well as estimates of the costs associated with issuing new bond issues.”

3. Paragraph 19.(j).(iii). of the CD requires the FAP to establish an annual budget and customer service rates, and assure that the funding provided through customer rates will be sufficient to meet the costs, including financing, for the management, operation, and maintenance of the wastewater system and to support the activities identified in paragraphs (i) and (ii).
- a. On Table 3 of the FAP, the Wastewater Systems Proposed Budget, the annual wastewater revenue is shown as 325,878,000 (2014/2015); 347,573,000 (2015/2016); 362,510,000 (2016/2017); 378,150,000 (2017/2018) and 424,328,000 (2018/2019). The expenses match the income with transfer from the General Reserve of 42,687,000 (2014/2015); 41,466,000 (2015/2016); 36,773,000 (2016/2017); 49,675,000 (2017/2018) and 52,090,000 (2018/2019). The capital expenses in Table 4 shown expenditures of 188,480,032 (2015); 413,689,407 (2016); 635,863,407 (2017); 594,512,689 (2018) and 698,651,923 (2019). The

budget in Table 3 appears not to include funding sources for the capital improvements/construction budget.

MDWASD Response:

*Table 3 does not include funding sources for the capital improvement/construction budget. However, it does include the annual debt service payments for the borrowed funds. MDWASD projected funding sources for capital improvements are shown on **Attachment (B), “Sources of Funds”***

- b. The FAP does not justify that funding is adequate to cover existing O&M let alone to cover needed capital improvements over the next few years. The proposed rate increases shown on Table 3 appear only to cover minimal increases in O&M. There has been no engineering evaluation of the adequacy of the O&M funding. In addition, revenues appear inadequate for the \$3.4 billion in capital expenditures shown on Table 4 for the next five years and the additional \$5.6 billion for the future identified capital improvement needs.

MDWASD Response:

Please refer to pg. 10, 3.1 “Adequacy of Rates and Charges” which states “A key part of the Department’s budgeting process is an annual review of the adequacy of proposed expenses for asset renewal and replacement and the adequacy of projected revenues to meet the Department’s debt service coverage requirements. In accordance with the Department’s bond ordinance, Miami-Dade County Ordinance 93-134, the Department’s outside bond consultant annually analyzes these two key aspects of the Department’s proposed budget, and provides a report to the County by September 1 of each year. The report specifically addresses the adequacy of the budgeted operation and maintenance expenses, the adequacy of projected operating revenues, and the adequacy of proposed rates and fees that allow the Department to cover operating and maintenance costs and meet the debt service coverage requirements for Senior Lien Debt, Subordinate Lien Debt, and State Revolving Fund loan. Another analysis conducted by the outside bond consultant addresses the condition of the Department’s assets and its compliance with its debt service coverage requirements in the prior fiscal year.”

*In addition, Table 3 shows the debt service payment for needed borrowing. Future Bond Issuances Schedule is being provided. **See Attachment (C), “Debt Service Schedule”**. Please note that bonds are repaid (debt service) over a 30 year period and the structure of the repayment will determine how much is repaid on an annual basis.*

- c. The financial report needs to provide a schedule for any indebtedness needed to cover the nearly \$9 billion shown on Table 4. The \$9 billion of capital expenditures need to be included in the Budget contained in Table 3 as either direct expenditures from revenue or debt service for needed borrowing.

MDWASD Response:

Please see above response.

- d. The proposed borrowing plan needs to be reviewed and certified by a financial bonding underwriter that the proposed debts and repayment are financially sound with the proposed rate increases.

MDWASD Response:

Whenever MDWASD issue new bonds it proposed borrowing, plan reviews by various institutions and agencies such as, Bond Underwriters, Bond Council, Rating Agencies, Financial Advisors and others are performed to provide comfort to potential buyers of the bonds that MDWASD financial plan is sound.

- e. The County needs to provide a credit rating of the proposed bonds sales to cover the \$9 billion capital improvements from a nationally recognized rating company.

MDWASD Response:

All bonds issues by MDWASD receive a credit rating. The most recent ratings are as follows: Fitch (A+), Moody's (Aa3) and Standard & Poor's (A+). It is a standard practice for the County to receive credit ratings on an annual basis.

- 4. Paragraph 19.(j).(iv). of the CD requires the FAP to track and report operation and maintenance costs by type of activity, including corrective, preventive, and emergency, and capital improvement costs against the capital improvement plan.

- a. The FAP does not detail what is included in “operations and maintenance” and “materials costs” – besides daily equipment operation and maintenance, do they include:
 - i. preventive maintenance and repair/replacement of structures and equipment;
 - ii. sampling and analysis; lab supplies; automatic samplers, in-line monitoring equipment;
 - iii. vehicle use, supplies, maintenance and repair;
 - iv. spare parts inventory; backup supplies, equipment, vehicles;

- v. emergency supplies, equipment, labor, power and fuel (spills, hurricanes, etc.); and,
- vi. administration, recordkeeping, reporting; staff training and exercises; security.

MDWAD Response:

The accounting and report system used by MDWASD “ERP” is set up to capture cost in a variety of ways including by Activity. See Attachment (A) Statement of Revenue and Expenses. Additionally, MDWASD uses an Enterprise Asset Management System (EAMS) to track and schedule maintenance and issue work orders.

The Pump Station Operations and Preventative Maintenance Program and the Wastewater Treatment Plants Operations and Maintenance Program detail shortcomings in the Pump Station Division and the Wastewater Treatment Maintenance Division, respectively, and call for the upgrading of the EAMS configurations.

- b. The FAP does not address Subparagraph. 19.(j).(iv). that requires “A program to directly track and report costs by type of activity (corrective, preventative, and emergency).”

MDWASD Response:

MDWASD tracks O&M expenses by various categories. Management Reports are available on a monthly basis. Financial Reports track expenses by Wastewater System functions such as Sewer Collection, Sewer Pumping and Sewer Treatment; by Division activities as mentioned above. See Attachment (D),GL O&M Expense Analysis by O&M Activity. Example Sewer Pumping # ‘s 830502 & 830504 and other listed in the report.

In addition, the Pump Station Operations and Preventative Maintenance Program and the Wastewater Treatment Plants Operations and Maintenance Program detail shortcomings in the Pump Station Division and the Wastewater Treatment Maintenance Division, respectively, and call for the upgrading of the EAMS configurations.

- 5. Paragraph 19.(j).(v). of the CD requires the FAP to track and report any transfer or use of funds obtained by Miami-Dade County from the collection of wastewater rates for any purpose not related to the management, operation, or maintenance of the wastewater

system or to capital improvements needed by the wastewater system. Any such transfer must be reported in the Water and Sewer Department's semi-annual report to the EPA and FDEP as required under Section 33 of the Consent Decree, and the County must provide a 30-day advance notice in writing to the EPA of the County's intent to transfer or use any such funds.

- a. There appears to be extensive transfer of funds. The EPA and FDEP assume these transfers are to other County Departments, but the FAP should detail to whom these transfers are being made. The FAP should show the costs of specific functions and whether the function is consistent pricewise to what the Water and Sewer Department could obtain from outside sources. In addition, there appears to be duplication of services that are handled by the Consultants, the County WASD and other County Departments.

MDWASD Response:

*The transfers shown in **Table 3** are transfers made between the Water Fund and the Wastewater Fund (internal departmental transfers). This is done annually to the W&S General Reserve fund if needed. This is not a transfer to the County's general fund.*

- b. The considerable use of outside contractors for engineering, design and project management is another way to divert funds from the utility. The County should carefully consider the magnitude of this outflow of funds as it could be similar to the previous excessive transfers to the County General Fund.

MDWASD Response:

MDWASD monitors the use of outside contractors for engineering, design and project management to ensure that the department is not using that as a method of diverting funds from the utility. In addition, upon full implementation of the CMOM Programs which include staffing and funding resources, there will be a dramatic decrease in outside sourcing.

- c. The present construction activity has significant resources expended to hire consultants to perform the work. The FAP should address whether or not the services could be performed at a lower cost by hiring additional County staff. It appears that the use of outside contractors is costly and will eventually leave the County without competent staff to run the utility after the CD is completed. The analysis needs to evaluate the expected staffing of the utility after the CD is

finished so that the County can replace some or all of the consultants gradually and adequately staff the Utility.

MDWASD Response:

MDWASD hired consultants to assist the department in the development and implementation of the CD program. When the CD program is completed the consultant's contract will expire. MDWASD continually performs analysis which evaluates and calculates the expected staffing needs of the utility during and after the CD is finished so that the County can replace all of the consultants gradually and adequately staff the Utility. Also, as stated before, the individual CMOM Programs have outlined phased staffing needs for their full implementation.

- d. It is noted that the Board of County Commissioners (BCC) passed Resolution No. R-282-14, resolving that monies would not be transferred out of the wastewater revenues to non-WASD accounts for the duration of the Consent Decree. The EPA and FDEP remind Miami-Dade that the semi-annual reports and the Comprehensive Annual Financial Report (CAFR) will still be expected to confirm that no funds were actually transferred to non-WASD accounts and that Miami-Dade must give notice prior to actually transferring any funds.

MDWASD Response:

MDWASD will continue to comply with the reporting requirements in the CD.

- e. The budget approval process is described as passing through the Mayor for approval, then County budget staff for incorporation into the County budget, and finally to the BCC for approval. These other influences on the final budget must be reminded not to make budget changes that adversely affect completion of CMOM and Consent Decree requirements and schedules.

MDWASD Response:

MDWASD will remind those who have influences on the final not to make budget changes that adversely affect completion of CMOM and Consent Decree requirements and schedules.

6. List of Projects in Table 4:

- a. The South District WWTF does not have any funds for the FOG Improvements. The present facility is a compliance issue with the existing permit and needs to be funded. If an item is funded in another project, a note is needed to show that.

MDWASD Response:

In Table 4, WASD project 1044, sub-project 102508, pg. 24.

- b. Many of the projects listed show no expenditures. This needs to be explained. If included in the list of needed improvements, why no capital costs? If an item is funded in another project, a note is needed to show that.

MDWASD Response:

Projects with no expenditures have been removed from the list. They were listed in error. See Revised Table 4 attached.

- c. Some of the projects seem very costly. For example the force main from Pump Station 300 to the North District WWTF shows a total cost of around \$150 million. Will a basis of design report be prepared for each project and will it be reviewed as part of the CD?

MDWASD Response:

Yes, basis for design is performed for all projects.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions regarding this matter, please call me at (786) 552-8104.

Sincerely,



Frances G. Morris
Chief Financial Officer

Attachments: Attachment A Statement of Revenues and Expenses, Attachment B 2014 – 2020 Capital Budget Multi-Year Plan, Attachment C Wastewater Debt Service Funding Requirement with Capitalized Interest, Attachment D O&M Expense Analysis by O&M Activity, Table 3 Wastewater System Proposed Budget Schedule, Revised Table 4 Wastewater System MYCIP 2014 - 2020

ec: Jonathan A. Glogau
Special Counsel
Chief, Complex Litigation
Office of the Attorney General
PL-01, The Capitol
Tallahassee, FL 32399-1050
850-414-3817
Jon.Glogau@myfloridalegal.com

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Attn: Compliance/Enforcement Section
Jason.Andreotta@dep.state.fl.us
Lisa.M.Self@dep.state.fl.us
Sed.wastewater@dep.state.fl.us

Mayor Carlos A. Gimenez
Miami-Dade County
111 NW First Street 29th Floor
Miami, Florida 33128

Lester Sola, Director
Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146

Jack Osterholt, Deputy Mayor/Director
Miami-Dade Regulatory and
Economic Resources
111 NW 1st Street. 29th Floor
Miami, FL 33128
Josterholt@miamidade.gov

Abigail Price-Williams
Miami-Dade County Attorney
111 NW First Street Suite 2810
Miami, Florida 33128

William Bush
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Bush.William@epa.gov

William A. Weinischke
Senior Trial Attorney
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044
Bill.Weinischke@usdoj.gov

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.
Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

	Unaudited FY 2015			FY 2014	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
OPERATING REVENUES					
Retail Wastewater	252,737,270.10	255,004,200.00	(2,266,929.90)	245,167,002.81	7,570,267.29
Wholesale Wastewater	61,802,296.41	58,601,000.00	3,201,296.41	56,956,393.02	4,845,903.39
Other Revenues	13,338,438.81	12,272,504.00	1,065,934.81	13,114,372.69	224,066.12
TOTAL OPERATING REVENUES	327,878,005.32	325,877,704.00	2,000,301.32	315,237,768.52	12,640,236.80
OPERATING & MAINTENANCE EXPENSES					
700110 Employee Regular	7,056,166.66	7,857,501	801,334	7,302,345	246,178
700114 Poll Workers (County Emp Only)	3,041.44	-	(3,041)	6,102	3,061
700122 Flex Dollars	185,557.47	175,925	(9,632)	-	(185,557)
700125 Longevity Payments	-	103,494	103,494	1,292	1,292
700128 Tuition Refund	-	2,420	2,420	1,232	1,232
700131 Military Active Duty	1,394.14	-	(1,394)	4,433	3,039
700133 Jury Duty Pay	6,395.58	-	(6,396)	5,723	(672)
700135 Job Injury Pay	96,158.54	-	(96,159)	13,500	(82,659)
700137 Tool Allowance	3,449.29	-	(3,449)	4,117	668
700138 Employee Suggestion Award	-	200	200	-	-
700139 Awards & Special Recognition	165.00	100	(65)	66	(99)
700150 Sick Pay	166,323.01	-	(166,323)	123,627	(42,696)
700151 Holiday Pay	440,086.49	-	(440,086)	284,165	(155,921)
700152 Annual Leave Pay	698,353.75	-	(698,354)	626,582	(71,771)
700153 Compensatory Time Pay	26,873.02	-	(26,873)	43,643	16,770
700154 Payment For Unused Sick Leave	2,499.06	-	(2,499)	-	(2,499)
700155 Termination Payments	273.20	-	(273)	84	(190)
700160 Employee Overtime Ot	2,698,522.44	1,522,520	(1,176,002)	1,891,708	(806,814)
700163 Night Shift Pay	(20.66)	-	21	(79)	(59)
700164 Hazardous/On Call Pay	48,559.20	-	(48,559)	44,443	(4,116)
700165 Overtime Hazardous/On Call	28,393.05	35,110	6,717	24,216	(4,177)
700168 OT Night Shift	9.13	-	(9)	-	(9)
700172 Confined/Undrgrnd Dry-Wells	(395.32)	-	395	5	400
700173 Confined/Undrgrnd Dry Wells OT	9.19	-	(9)	34	25
700197 Wage Accruals	114,195.48	-	(114,195)	56,009	(58,186)
701010 Social Security	685,005.40	502,711	(182,295)	-	(685,005)
701011 Retirement	842,628.02	600,741	(241,887)	-	(842,628)
701013 Other Fringe Benefits	(3,220.86)	-	3,221	2,680,061	2,683,282
701089 Ot Fringe Benefit Reimb	38.46	-	(38)	(46)	(85)
701098 Fringe Accruals	42,406.93	-	(42,407)	14,454	(27,953)
701110 Group Health Insurance	1,554,670.63	1,619,470	64,799	7,131	(1,547,539)
701111 Group Life Insurance	15,963.70	16,657	694	524	(15,440)
701113 Mica Medicare Hospital Insuran	161,975.57	117,900	(44,075)	95	(161,881)
701114 Dental Plans	53,461.22	50,916	(2,545)	15,286	(38,175)
701115 Workers Compensation Insurance	375,831.97	375,832	0	384,200	8,368
721030 Other Professional Services	654,161.01	-	(654,161)	-	(654,161)
721031 Professional Engineering testng	-	700	700	-	-
721121 Outside Consultant Network	891,664.03	500,000	(391,664)	(88,218)	(979,882)
721510 Temporary Help Outside Agency	635,530.77	-	(635,531)	2,152	(633,379)
722010 Electrical Services	130.00	12,100	11,970	1,902	1,772
722110 Water & Sewer Service	10,417.26	8,300	(2,117)	21,889	11,472
722123 Hazardous Waste Disposal	197,423.06	279,500	82,077	237,357	39,934
722130 Swm Charges Waste Disposal	19,831.60	13,000	(6,832)	9,581	(10,251)
722310 Security Services	570,212.97	600,000	29,787	613,730	43,517
722330 Rental Uniform	29,228.89	35,842	6,613	30,893	1,664
722340 Exterminator Serv	1,253.02	1,800	547	1,579	326
722341 Janitorial Services	25,902.13	31,300	5,398	14,843	(11,059)
722370 Paving	86,759.98	115,300	28,540	90,486	3,726
722377 Barricades	6,002.59	5,100	(903)	4,286	(1,716)
722430 Other Outside Contractual Svcs	1,426,060.44	1,505,982	79,922	325,116	(1,100,945)
723210 General Liability Insurance	187,648.04	31,000	(156,648)	65,739	(121,909)
723220 Auto Liability	63,780.81	14,300	(49,481)	35,333	(28,448)

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.

Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

		Unaudited FY 2015			FY 2014	
		Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
724052	Motor Vehicles Maint	-	110	110	-	-
724130	Maint & Repair:Office Machines	-	12,120	12,120	103	103
724150	Repair & Maint Other Equipment	87,868.98	47,600	(40,269)	115,923	28,054
724421	Landscape-Maintenance	-	4,000	4,000	-	-
724441	COMPUTER HARDWARE-O/S MAINT	13,374.85	-	(13,375)	225,705	212,330
725910	Other Rental Expense	13,836.03	6,100	(7,736)	5,734	(8,102)
726053	GSA Other Services	61,805.53	25,310	(36,496)	56,643	(5,162)
726060	Fm Lt Eq Fuel	659,794.07	684,920	25,126	755,800	96,006
726131	It 800 Mhz Maintenance	126,279.40	85,760	(40,519)	120,155	(6,125)
726210	Police Services	270,246.52	47,300	(222,947)	146,885	(123,362)
726219	Planning Department Charges	-	-	-	245	245
731210	Travel Expense-U.S.	2,496.52	-	(2,497)	834	(1,662)
731212	Travel Expense-Air Charges	398.20	-	(398)	-	(398)
731220	Registration Fees	325.00	-	(325)	-	(325)
731310	Auto Expense-Reimbursement	2,319.23	1,700	(619)	1,975	(345)
731510	Outside Printing	1,167.25	1,100	(67)	2,680	1,512
731522	Photographic Services	-	100	100	-	-
732010	Inservice Training	210.00	9,730	9,520	1,150	940
732020	Educational Seminars	6,715.00	15,500	8,785	13,550	6,835
732210	Fuel & Lubricant Taxes	-	-	-	(12,852)	(12,852)
732250	License & Permit Fees	69,943.97	85,100	15,156	60,805	(9,139)
733300	WASD - Vehicle Charges	2,850,573.24	2,395,000	(455,573)	2,908,405	57,832
733352	G&A Capital Overhead	62.53	-	(63)	1,375	1,312
741022	Other Fuels And Lubricants	21,127.66	18,200	(2,928)	28,823	7,695
743012	Tires & Tubes	-	-	-	113	113
743013	Repair Parts-Auto	24,581.34	26,700	2,119	32,431	7,850
743022	Mechanical Maint-Auto Supplies	121.02	2,400	2,279	11,221	11,100
743120	Mechanical Maint-Parts & Suppl	277,921.87	200,450	(77,472)	280,970	3,048
743123	Paint-Building	5,982.25	4,800	(1,182)	4,600	(1,383)
743212	Computer Hdwre less than\$1000	-	260	260	-	-
743220	Expendable Tools	96,874.35	102,170	5,296	123,029	26,154
743231	Communication Equip (Non-Cap)	2,437.83	600	(1,838)	1,117	(1,320)
743260	Plant Equipment - Operational	129.08	-	(129)	-	(129)
743264	Shop Equipment	2,299.81	-	(2,300)	-	(2,300)
743265	Electronic Equip-Non Office	595.53	-	(596)	-	(596)
743267	RADIO PARTS	780.03	2,460	1,680	1,193	413
745010	Building Materials	67,580.83	40,000	(27,581)	64,802	(2,779)
745011	Electrical Fixtures & Supplies	170,121.99	106,900	(63,222)	204,020	33,898
745012	Plumbing Fixtures And Supplies	640,683.29	699,288	58,605	746,960	106,277
745019	Other Construct Mat & Supplies	1,347,950.07	532,400	(815,550)	1,008,888	(339,062)
745028	Asphalt	136,914.39	78,900	(58,014)	120,730	(16,185)
745029	Sod	26,295.87	13,000	(13,296)	20,682	(5,614)
747010	Office Supplies	12,054.17	11,330	(724)	13,101	1,046
747012	Miscellaneous Supplies	215.05	900	685	662	447
747014	Toner Supplies	2,413.37	5,100	2,687	5,585	3,171
747015	Paper (Copier/Printer)	1,760.37	2,620	860	2,140	380
749014	Miscellaneous Chemicals	25,237.36	24,000	(1,237)	25,655	418
749026	Grout	228,224.56	100,000	(128,225)	171,362	(56,863)
749027	Sodium Polyphosphate	-	2,000	2,000	-	-
749219	Laboratory Supplies	3,534.20	1,600	(1,934)	3,265	(269)
749237	Cleaning Supplies	12,429.14	13,410	981	14,288	1,859
749310	Clothing And Uniforms	-	200	200	-	-
749311	Safety Shoes	43,517.33	52,000	8,483	42,993	(524)
749610	Photographic Supplies	933.45	900	(33)	2,165	1,232
749650	Safety Equipment And Supplies	179,274.85	205,780	26,505	227,826	48,551
749660	Misc Other Operating Supplies	23,753.87	28,420	4,666	34,574	10,820
950993	Major Equipment Purchase Clear	-	-	-	-	-
Sewer Collection		27,633,938.05	21,833,959.55	(5,799,978.50)	22,499,929.40	(5,134,008.65)
700110	Employee Regular	11,611,348.26	12,935,090	1,323,742	11,471,514	(139,834)
700114	Poll Workers (County Emp Only)	5,570.91	-	(5,571)	13,458	7,887
700122	Flex Dollars	225,931.59	220,976	(4,956)	-	(225,932)
700125	Longevity Payments	2,058.54	183,521	181,462	1,214	(845)

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.

Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

		Unaudited FY 2015			FY 2014	
		Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
700126	Working Out Of Classification	61.52	-	(62)	68	6
700128	Tuition Refund	1,997.50	3,920	1,923	973	(1,024)
700133	Jury Duty Pay	5,941.43	-	(5,941)	6,588	647
700134	Union Activity Pay	63,453.84	-	(63,454)	69,696	6,243
700135	Job Injury Pay	93,681.35	-	(93,681)	130,555	36,874
700137	Tool Allowance	101,365.40	-	(101,365)	110,936	9,571
700150	Sick Pay	355,778.94	-	(355,779)	355,795	16
700151	Holiday Pay	616,434.71	-	(616,435)	439,427	(177,008)
700152	Annual Leave Pay	928,000.45	-	(928,000)	846,533	(81,468)
700153	Compensatory Time Pay	41,095.87	-	(41,096)	66,742	25,646
700154	Payment For Unused Sick Leave	-	-	-	255	255
700155	Termination Payments	2,846.81	-	(2,847)	(12,006)	(14,853)
700160	Employee Overtime Ot	2,438,065.13	1,810,770	(627,295)	1,855,886	(582,179)
700164	Hazardous/On Call Pay	166,817.93	-	(166,818)	172,899	6,081
700165	Overtime Hazardous/On Call	151,350.87	165,110	13,759	145,472	(5,878)
700172	Confined/Undrgrnd Dry-Wells	90,643.62	150,000	59,356	101,799	11,156
700173	Confined/Undrgrnd Dry Wells OT	24,673.35	50,000	25,327	23,488	(1,186)
700197	Wage Accruals	193,834.27	-	(193,834)	58,146	(135,688)
701010	Social Security	999,182.38	825,087	(174,095)	-	(999,182)
701011	Retirement	1,284,587.28	1,016,510	(268,078)	-	(1,284,587)
701013	Other Fringe Benefits	1,048.38	-	(1,048)	3,738,950	3,737,902
701098	Fringe Accruals	60,993.47	-	(60,993)	15,751	(45,243)
701110	Group Health Insurance	2,001,661.89	1,985,126	(16,536)	18,776	(1,982,886)
701111	Group Life Insurance	27,085.66	27,362	277	688	(26,397)
701113	Mica Medicare Hospital Insuran	236,755.71	193,245	(43,511)	245	(236,511)
701114	Dental Plans	66,737.36	62,413	(4,325)	21,831	(44,907)
701115	Workers Compensation Insurance	590,648.03	590,648	(0)	603,800	13,152
721030	Other Professional Services	(1,338.91)	76,700	78,039	18,599	19,938
721031	Professional Engineering testng	(228.00)	-	228	3,151	3,379
721121	Outside Consultant Network	1,379,523.20	200,000	(1,179,523)	294,141	(1,085,382)
721411	Engineering Svcs	(6,069.00)	12,400	18,469	(6,116)	(47)
721420	Appraisal & Surveyors Services	32.00	100	68	42	10
722010	Electrical Services	5,955,752.27	7,655,200	1,699,448	7,207,109	1,251,356
722020	Natural Gas	12,665.87	11,900	(766)	18,755	6,089
722110	Water & Sewer Service	367,097.80	293,700	(73,398)	407,638	40,540
722130	Swm Charges Waste Disposal	2,295.36	2,300	5	2,487	191
722310	Security Services	920,622.24	1,200,000	279,378	1,047,241	126,619
722320	Laundry-Uniform Service	-	500	500	-	-
722330	Rental Uniform	77,135.19	102,300	25,165	66,778	(10,357)
722340	Exterminator Serv	4,471.85	1,900	(2,572)	2,394	(2,077)
722341	Janitorial Services	3,809.69	3,400	(410)	2,899	(910)
722377	Barricades	23.13	200	177	30	7
722378	Safety-Crane Inspectors	4,594.85	6,000	1,405	3,062	(1,532)
722430	Other Outside Contractual Svcs	93,578.47	13,500	(80,078)	24,979	(68,599)
722431	Vehicle Auction Services	-	1,000	1,000	-	-
722440	Contracted Repairs	-	1,000	1,000	893	893
723210	General Liability Insurance	2,235.32	-	(2,235)	-	(2,235)
723220	Auto Liability	18,984.54	47,500	28,515	19,773	788
724037	Welding Repairs	34.96	100	65	13	(22)
724051	Cleaning & Polishing Motor Veh	684.72	-	(685)	783	98
724052	Motor Vehicles Maint	-	110	110	-	-
724070	OTHER VEHICLE MAINT & REP	-	-	-	90	90
724090	Vehicle/Equip Overhead Allocat	-	-	-	484	484
724130	Maint & Repair:Office Machines	-	12,120	12,120	103	103
724150	Repair & Maint Other Equipment	-	3,600	3,600	-	-
724411	Contractual Building Repair	17,337.05	-	(17,337)	-	(17,337)
724415	Repair Labor & Materials	-	-	-	-	-
724421	Landscape-Maintenance	-	-	-	187	187
724431	Automatic Door Repairs & Maint	-	-	-	175	175
724434	Window Maintenance	205.78	-	(206)	-	(206)
724435	Electrical repairs and Maint	-	3,600	3,600	2,132	2,132
724444	MECHANICAL REPAIRS & MAINT	70.04	27,800	27,730	35,041	34,971
724445	ROOFING REPAIRS & MAINTENANCE	-	-	-	1,177	1,177

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.

Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

		Unaudited FY 2015			FY 2014	
		Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
724573	Hardware/Cable Maintenance	-	-	-	-	-
724630	Radio Maintenance	6,084.39	-	(6,084)	5,599	(485)
725420	Heavy Equipment Rental	38,978.92	3,000	(35,979)	-	(38,979)
725430	Power Generators & Distrib Rent	(23,890.00)	-	23,890	-	23,890
725511	Payments To Lessors	62,274.36	80,100	17,826	75,248	12,974
725910	Other Rental Expense	222.99	100	(123)	91	(132)
726053	GSA Other Services	61,392.61	33,510	(27,883)	43,563	(17,829)
726060	Fm Lt Eq Fuel	332,407.27	615,220	282,813	435,101	102,694
726131	It 800 Mhz Maintenance	126,279.40	85,760	(40,519)	120,155	(6,125)
726210	Police Services	24,310.00	200	(24,110)	60	(24,250)
726218	Fire Inspection Services	-	-	-	220	220
731110	Publications	-	-	-	3,474	3,474
731220	Registration Fees	1,805.00	5,500	3,695	6,594	4,789
731310	Auto Expense-Reimbursement	-	50	50	-	-
731510	Outside Printing	1,257.29	200	(1,057)	284	(973)
731522	Photographic Services	-	100	100	-	-
731720	Network Communications	-	-	-	248	248
732010	Inservice Training	240.00	21,630	21,390	110	(130)
732020	Educational Seminars	-	-	-	500	500
732021	Educational Materials	371.00	1,700	1,329	1,063	692
732210	Fuel & Lubricant Taxes	-	1,600	1,600	-	-
732221	Payment Of Property Taxes	720.46	-	(720)	-	(720)
732250	License & Permit Fees	1,151.18	10,100	8,949	8,334	7,183
733300	WASD - Vehicle Charges	1,052,920.19	889,930	(162,990)	902,021	(150,900)
733301	Auto Equipment	-	-	-	346	346
733352	G&A Capital Overhead	-	-	-	400	400
733355	Other General & Administrative	14,952.51	-	(14,953)	13,878	(1,074)
741020	Compressed Natural Gas (Cng)	27.47	50	23	38	11
741022	Other Fuels And Lubricants	22,675.51	112,200	89,524	60,610	37,935
743013	Repair Parts-Auto	8,938.55	18,800	9,861	18,769	9,830
743014	Repair Parts - Other than Auto	1,624.89	-	(1,625)	-	(1,625)
743020	Batteries	616.22	100	(516)	-	(616)
743022	Mechanical Maint-Auto Supplies	-	-	-	376	376
743120	Mechanical Maint-Parts & Suppl	2,064,965.34	2,498,800	433,835	2,286,064	221,098
743121	Air Conditioning Repair Parts	24,235.24	86,600	62,365	34,061	9,826
743123	Paint-Building	82,880.62	89,000	6,119	102,809	19,928
743129	CONST SUPL-TAXI/RUNWAY-APRON	564.06	-	(564)	-	(564)
743210	Equipment Repair Parts	68,000.90	29,000	(39,001)	190,295	122,294
743211	Equipment Installation	100.24	-	(100)	-	(100)
743212	Computer Hdwre less than\$1000	-	260	260	-	-
743220	Expendable Tools	47,308.10	68,800	21,492	53,596	6,288
743222	Flett Ej Ward Parts	392.85	-	(393)	-	(393)
743231	Communication Equip (Non-Cap)	-	4,800	4,800	-	-
743246	Fire Equipment - Extinguishers	342.77	1,300	957	231	(112)
743260	Plant Equipment - Operational	-	700	700	-	-
743261	Pump Stations - Equipment	153,754.33	33,400	(120,354)	54,980	(98,774)
743264	Shop Equipment	2,672.25	10,800	8,128	15,769	13,096
743265	Electronic Equip-Non Office	4,420.15	200	(4,220)	1,112	(3,308)
743267	RADIO PARTS	4,902.69	7,960	3,057	18,345	13,442
743299	Equip & Non-Cap Tools(Budget)	3,386.91	2,100	(1,287)	8,568	5,181
743510	Other Repair & Maint Supplies	-	100	100	1,024	1,024
743525	Other Rep & Maint-Electrical	31,399.71	3,500	(27,900)	19,757	(11,643)
743526	Other Repair & Maint-Plumbing	-	-	-	367	367
743528	Air Compressor Supplies & Main	669.49	-	(669)	2,190	1,521
743599	Other Rep & Maint.Supplies(Bud)	-	-	-	229	229
745010	Building Materials	39,778.29	44,950	5,172	24,366	(15,412)
745011	Electrical Fixtures & Supplies	1,314,243.76	1,441,450	127,206	1,041,057	(273,187)
745012	Plumbing Fixtures And Supplies	223,930.53	191,700	(32,231)	173,498	(50,433)
745014	Sewer Construction Supplies	-	900	900	-	-
745015	Mechanical Supplies	(120.92)	4,600	4,721	-	121
745016	Painting Supplies	1,809.25	1,200	(609)	-	(1,809)
745017	Welding Supplies	-	800	800	4,511	4,511
745019	Other Construct Mat & Supplies	76,230.57	64,150	(12,081)	59,802	(16,429)

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.

Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

		Unaudited FY 2015			FY 2014	
		Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
745031	Electronic Parts/Pumps/Motors	250.46	-	(250)	598	348
745032	Locksmith supplies	1,894.49	-	(1,894)	-	(1,894)
747010	Office Supplies	19,269.77	14,330	(4,940)	16,328	(2,942)
747011	Gsa Central Service Supplies	-	50	50	-	-
747012	Miscellaneous Supplies	1,669.39	1,100	(569)	2,483	814
747014	Toner Supplies	6,477.31	5,000	(1,477)	2,807	(3,670)
747015	Paper (Copier/Printer)	2,497.92	3,370	872	2,534	36
747020	Office Equip Less Than \$750	-	-	-	192	192
747021	Other Minor Equip < \$750	800.91	300	(501)	-	(801)
747030	Edp Software Package < \$750	-	4,700	4,700	-	-
747033	Furniture Less Than \$1,000	653.28	3,000	2,347	322	(331)
749014	Miscellaneous Chemicals	4,468.48	7,600	3,132	4,628	159
749022	Odor Counteractants	-	-	-	-	-
749219	Laboratory Supplies	3,890.00	6,200	2,310	4,388	498
749233	Plastic Bags	-	100	100	-	-
749237	Cleaning Supplies	23,908.94	30,610	6,701	30,327	6,418
749310	Clothing And Uniforms	3,750.75	100	(3,651)	803	(2,948)
749311	Safety Shoes	18,890.64	37,000	18,109	34,145	15,254
749317	Safety Protective Clothing	-	-	-	231	231
749610	Photographic Supplies	121.13	600	479	705	584
749650	Safety Equipment And Supplies	89,240.33	103,760	14,520	100,006	10,765
749660	Misc Other Operating Supplies	27,984.96	11,220	(16,765)	39,939	11,955
950993	Major Equipment Purchase Clear	-	-	-	-	-
Sewer Pumping		37,330,166.97	36,592,667.13	(737,499.84)	35,443,668.75	(1,886,498.22)
700110	Employee Regular	21,738,751.17	26,984,623	5,245,872	21,644,507	(94,245)
700114	Poll Workers (County Emp Only)	19,776.86	-	(19,777)	40,915	21,138
700122	Flex Dollars	409,638.27	439,756	30,117	-	(409,638)
700125	Longevity Payments	2,078.86	374,324	372,245	1,271	(808)
700128	Tuition Refund	1,741.22	13,900	12,159	1,456	(285)
700133	Jury Duty Pay	8,296.74	-	(8,297)	9,784	1,488
700134	Union Activity Pay	136,699.62	-	(136,700)	145,393	8,693
700135	Job Injury Pay	132,116.87	-	(132,117)	148,142	16,025
700137	Tool Allowance	97,298.02	-	(97,298)	107,377	10,079
700138	Employee Suggestion Award	145.09	6,000	5,855	2,034	1,889
700139	Awards & Special Recognition	183.48	910	727	30	(153)
700150	Sick Pay	759,867.07	-	(759,867)	615,832	(144,035)
700151	Holiday Pay	1,277,983.04	-	(1,277,983)	894,684	(383,299)
700152	Annual Leave Pay	1,943,890.59	-	(1,943,891)	1,728,797	(215,093)
700153	Compensatory Time Pay	70,567.29	-	(70,567)	114,605	44,038
700154	Payment For Unused Sick Leave	-	-	-	6	6
700155	Termination Payments	-	-	-	481	481
700156	Payroll & Related Expenses	3,406.57	-	(3,407)	-	(3,407)
700160	Employee Overtime Ot	6,485,457.36	4,173,950	(2,311,507)	6,033,070	(452,388)
700164	Hazardous/On Call Pay	194,427.24	-	(194,427)	190,793	(3,634)
700165	Overtime Hazardous/On Call	94,478.33	44,200	(50,278)	80,477	(14,002)
700168	OT Night Shift	2,251.82	-	(2,252)	-	(2,252)
700172	Confined/Undrgrnd Dry-Wells	87.83	-	(88)	99	12
700173	Confined/Undrgrnd Dry Wells OT	11.03	-	(11)	56	45
700197	Wage Accruals	340,706.01	-	(340,706)	114,603	(226,103)
701010	Social Security	1,959,400.64	1,716,146	(243,255)	-	(1,959,401)
701011	Retirement	2,579,102.97	2,161,523	(417,580)	-	(2,579,103)
701013	Other Fringe Benefits	6,276.78	-	(6,277)	7,296,520	7,290,244
701098	Fringe Accruals	108,697.30	-	(108,697)	29,730	(78,968)
701110	Group Health Insurance	3,556,329.76	4,064,718	508,388	49,723	(3,506,607)
701111	Group Life Insurance	49,367.62	56,035	6,668	910	(48,458)
701113	Mica Medicare Hospital Insuran	468,628.70	401,672	(66,957)	202	(468,426)
701114	Dental Plans	117,390.64	127,795	10,405	40,920	(76,471)
701115	Workers Compensation Insurance	1,132,386.00	1,132,386	-	1,157,600	25,214
721030	Other Professional Services	126,031.80	3,203,000	3,076,968	309,272	183,240
721121	Outside Consultant Network	4,046,305.13	205,600	(3,840,705)	2,039,975	(2,006,330)
721510	Temporary Help Outside Agency	115,139.46	108,000	(7,139)	83,986	(31,154)
722010	Electrical Services	9,700,322.86	9,433,000	(267,323)	9,758,078	57,755

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.

Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

		Unaudited FY 2015			FY 2014	
		Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
722020	Natural Gas	511,312.53	1,000	(510,313)	314,418	(196,894)
722110	Water & Sewer Service	333,099.42	340,000	6,901	378,244	45,145
722116	Sludge Hauling	8,818,403.22	8,041,000	(777,403)	8,460,544	(357,859)
722123	Hazardous Waste Disposal	67,562.78	73,200	5,637	105,375	37,812
722130	Swm Charges Waste Disposal	18,353.36	10,800	(7,553)	2,479	(15,874)
722310	Security Services	3,266,032.84	2,400,000	(866,033)	2,285,724	(980,309)
722330	Rental Uniform	96,325.83	86,100	(10,226)	88,018	(8,308)
722340	Exterminator Serv	6,758.29	10,800	4,042	16,687	9,929
722341	Janitorial Services	33,822.42	9,000	(24,822)	29,354	(4,468)
722360	Commercial Towing Charges	-	1,000	1,000	-	-
722370	Paving	-	500	500	-	-
722372	Raise Manhole Covers	-	-	-	-	-
722373	Ground Water Protection	414.03	2,000	1,586	329	(85)
722374	Digester Tank Repair	-	15,000	15,000	-	-
722377	Barricades	-	200	200	-	-
722378	Safety-Crane Inspectors	1,255.14	4,500	3,245	3,762	2,507
722420	Outside Data Printing	22,510.92	-	(22,511)	-	(22,511)
722430	Other Outside Contractual Svcs	1,224,181.98	1,379,240	155,058	1,684,836	460,654
722440	Contracted Repairs	-	1,000	1,000	-	-
723210	General Liability Insurance	(127,450.91)	100,000	227,451	626,695	754,145
723220	Auto Liability	1,933.60	10,000	8,066	12,570	10,636
724130	Maint & Repair:Office Machines	-	1,000	1,000	43,417	43,417
724150	Repair & Maint Other Equipment	12,254.75	57,000	44,745	116,413	104,158
724411	Contractual Building Repair	24,183.39	4,500	(19,683)	24,845	662
724413	Elevators -Outside Maint	5,523.75	3,600	(1,924)	6,516	993
724415	Repair Labor & Materials	-	2,000	2,000	2,212	2,212
724417	Fire Systems-Testing	-	4,000	4,000	-	-
724418	Fire System-Maintenance,Repair	5,485.87	6,000	514	9,705	4,219
724420	Grounds-Tree Trimming Service	27,049.78	1,800	(25,250)	109,046	81,996
724421	Landscape-Maintenance	264,600.19	357,350	92,750	269,857	5,257
724430	Grounds Landscaping	-	2,150	2,150	-	-
724435	Electrical repairs and Maint	-	-	-	-	-
724441	COMPUTER HARDWARE-O/S MAINT	117,952.10	-	(117,952)	294,802	176,849
724444	MECHANICAL REPAIRS & MAINT	-	200	200	-	-
724446	IRRIGATION/SPRINKLER REP&MAINT	660.00	-	(660)	-	(660)
724480	Other Outside Maintenance	168,905.16	400	(168,505)	-	(168,905)
724520	Software Maintenance	7,072.77	1,000	(6,073)	7,287	214
724570	P.C. Software	6,007.37	-	(6,007)	-	(6,007)
724573	Hardware/Cable Maintenance	329.50	1,000	671	60	(270)
724630	Radio Maintenance	4,633.49	50,150	45,517	1,018	(3,616)
725360	Other Comm Equip Rental	-	3,000	3,000	-	-
725420	Heavy Equipment Rental	-	11,000	11,000	-	-
725910	Other Rental Expense	585,987.32	294,700	(291,287)	403,237	(182,750)
725915	Temporary Trailer Rental	26,685.67	30,000	3,314	37,249	10,563
726050	Gsa Printing & Reproduction	3,086.34	-	(3,086)	4,252	1,165
726053	GSA Other Services	157,239.01	105,500	(51,739)	170,691	13,452
726060	Fm Lt Eq Fuel	224,495.66	400,000	175,504	331,698	107,202
726131	It 800 Mhz Maintenance	151,654.40	78,000	(73,654)	120,156	(31,499)
726210	Police Services	-	100	100	880	880
726212	Environmental Services	1,516,521.75	960,000	(556,522)	3,897	(1,512,624)
726240	Other General Adm. Charges	-	-	-	56	56
731017	Telephone Other Chgs & Credits	8,449.01	-	(8,449)	9,029	580
731060	EDP - Communication Lines	-	-	-	460	460
731110	Publications	-	600	600	700	700
731210	Travel Expense-U.S.	1,535.29	3,000	1,465	2,251	716
731212	Travel Expense-Air Charges	-	-	-	692	692
731220	Registration Fees	4,961.81	6,000	1,038	8,155	3,193
731310	Auto Expense-Reimbursement	-	500	500	171	171
731401	Newspapr Ad - Lgl Public notic	1,893.04	800	(1,093)	519	(1,374)
731510	Outside Printing	-	400	400	-	-
731522	Photographic Services	-	525	525	-	-
731613	Shipping Charges	-	-	-	56	56
731620	Messenger Services	-	50	50	-	-

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.

Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

		Unaudited FY 2015			FY 2014	
		Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
731831	Penalties & Fines	3,500.00	-	(3,500)	978,100	974,600
732010	Inservice Training	8,465.00	26,200	17,735	13,076	4,611
732011	Safety-Training Seminars & Mat	1,270.00	3,000	1,730	1,340	70
732020	Educational Seminars	1,555.00	16,100	14,545	15,750	14,195
732021	Educational Materials	-	3,000	3,000	-	-
732240	Vehicle Licenses & Regist Fees	-	1,000	1,000	-	-
732250	License & Permit Fees	69,357.23	136,350	66,993	219,291	149,933
733050	Other General Operating Serv	-	-	-	7,710	7,710
733054	Safety- Compliance Expense	-	9,900	9,900	53,321	53,321
733300	WASD - Vehicle Charges	576,554.25	137,300	(439,254)	838,770	262,216
733307	Air Conditioning purchases	357.60	1,500	1,142	590	232
733352	G&A Capital Overhead	-	-	-	-	-
733355	Other General & Administrative	78,613.73	39,950	(38,664)	50,302	(28,312)
733359	Allocation Over/Under Reclass	-	(1,146,510)	(1,146,510)	-	-
741015	Diesel Fuel	1,050,808.65	1,490,000	439,191	1,143,315	92,506
741019	Liquified Petroleum Gas	886.20	-	(886)	-	(886)
741020	Compressed Natural Gas (Cng)	51.97	550	498	69	17
741022	Other Fuels And Lubricants	290,176.26	269,750	(20,426)	219,609	(70,567)
743010	Repr Pts-Trucks,Buses&Const Eq	-	-	-	-	-
743012	Tires & Tubes	355.30	400	45	605	250
743013	Repair Parts-Auto	29,820.38	28,660	(1,160)	28,775	(1,046)
743020	Batteries	8,291.08	1,200	(7,091)	-	(8,291)
743022	Mechanical Maint-Auto Supplies	-	15,000	15,000	-	-
743110	Repair Parts	-	-	-	62,469	62,469
743111	Floor Coverings	-	-	-	-	-
743120	Mechanical Maint-Parts & Suppl	3,069,200.18	3,102,500	33,300	3,121,851	52,651
743121	Air Conditioning Repair Parts	253,158.34	298,000	44,842	349,806	96,647
743123	Paint-Building	47,737.28	87,700	39,963	67,890	20,153
743210	Equipment Repair Parts	6,832.34	6,050	(782)	1,318	(5,515)
743212	Computer Hdwre less than\$1000	882.55	-	(883)	827	(56)
743220	Expendable Tools	62,431.41	118,180	55,749	61,177	(1,255)
743231	Communication Equip (Non-Cap)	13,418.21	17,700	4,282	17,092	3,674
743245	Fire Equipment-Miscellaneous	-	1,000	1,000	-	-
743246	Fire Equipment - Extinguishers	-	4,000	4,000	-	-
743260	Plant Equipment - Operational	1,560.53	10,000	8,439	-	(1,561)
743261	Pump Stations - Equipment	6,044.61	-	(6,045)	1,933	(4,111)
743264	Shop Equipment	2,783.49	8,900	6,117	13,411	10,627
743265	Electronic Equip-Non Office	2,584.34	1,000	(1,584)	702	(1,882)
743267	RADIO PARTS	6,852.74	5,000	(1,853)	4,898	(1,955)
743299	Equip & Non-Cap Tools(Budget)	227.28	-	(227)	2,287	2,060
743510	Other Repair & Maint Supplies	7,987.48	1,100	(6,887)	-	(7,987)
743522	Other Repair & Maint-Cctv Syst	-	-	-	92	92
743525	Other Rep & Maint-Electrical	-	500	500	-	-
745010	Building Materials	442,155.82	101,350	(340,806)	496,322	54,166
745011	Electrical Fixtures & Supplies	1,862,678.37	926,150	(936,528)	783,046	(1,079,633)
745012	Plumbing Fixtures And Supplies	127,616.50	101,100	(26,517)	162,930	35,314
745013	Building Insulation	18,948.50	-	(18,949)	-	(18,949)
745014	Sewer Construction Supplies	-	-	-	100,417	100,417
745015	Mechanical Supplies	1,732.96	2,000	267	-	(1,733)
745016	Painting Supplies	662.47	8,600	7,938	4,908	4,245
745017	Welding Supplies	-	500	500	-	-
745019	Other Construct Mat & Supplies	371,991.62	266,050	(105,942)	701,709	329,717
745021	Street Light Materials	1,278.40	-	(1,278)	-	(1,278)
745023	Signal & Marking Materials	213.33	-	(213)	73	(140)
745024	Sign Materials	131.32	1,200	1,069	-	(131)
745025	Pavement Marking Materials	-	1,000	1,000	-	-
745027	Air Stripping Media	-	-	-	-	-
745028	Asphalt	-	1,500	1,500	2,117	2,117
745031	Electronic Parts/Pumps/Motors	374,305.12	150,500	(223,805)	416,837	42,532
745032	Locksmith supplies	-	600	600	95	95
747010	Office Supplies	29,674.24	44,200	14,526	34,046	4,372
747011	Gsa Central Service Supplies	-	950	950	555	555
747012	Miscellaneous Supplies	971.91	1,000	28	1,164	192

**Miami-Dade Water and Sewer Department
Statement of Revenues and Expenses
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2015**

ATTACHMENT (A)

FAP Comment 1a.

Report Id: WGL011-9
Run on: 01/07/16 09:22 AM
Source: GL

	Unaudited FY 2015			FY 2014	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
747014 Toner Supplies	4,412.27	2,900	(1,512)	3,194	(1,219)
747015 Paper (Copier/Printer)	5,806.12	7,750	1,944	6,094	288
747020 Office Equip Less Than \$750	-	400	400	-	-
747022 Furniture	963.13	6,000	5,037	4,377	3,414
747031 Office Equip Less Than \$1,000	234.00	3,300	3,066	1,058	824
747033 Furniture Less Than \$1,000	3,523.20	6,000	2,477	1,934	(1,589)
747110 Computer Supplies	170.12	-	(170)	-	(170)
747130 Computer Memory	-	-	-	424	424
749014 Miscellaneous Chemicals	308,708.01	510,830	202,122	364,669	55,961
749016 Chlorine	819,048.51	1,735,000	915,951	904,471	85,423
749019 Liquid Caustic Soda	27,746.81	85,000	57,253	42,691	14,945
749020 Liquid Oxygen - Bulk	101,933.36	240,000	138,067	258,312	156,379
749021 Hydrogen Peroxide	1,028,424.71	1,100,000	71,575	1,193,388	164,964
749022 Odor Counteractants	130,112.36	140,000	9,888	126,280	(3,832)
749024 Sodium Hypochlorite	2,044,423.71	425,000	(1,619,424)	1,709,854	(334,570)
749027 Sodium Polyphosphate	-	-	-	683	683
749028 Polymer-Gravity Thickening	288,498.62	450,000	161,501	508,143	219,644
749030 Polymers-Sludge Dewatering	1,555,442.99	1,400,000	(155,443)	1,455,455	(99,988)
749032 Polymeric Flocculant	18,860.00	-	(18,860)	-	(18,860)
749037 Maint & Repair - Lab Instrment	47,452.04	67,000	19,548	-	(47,452)
749038 Chemical Inventory Adjustment	76,035.44	-	(76,035)	6,871	(69,165)
749040 Ferric Sulfate	249,365.32	-	(249,365)	51,550	(197,815)
749041 Crude Solar Salt (Sod Chlrde)	774,755.06	550,000	(224,755)	762,186	(12,569)
749099 Chemicals-Budget Only	-	-	-	175	175
749219 Laboratory Supplies	209,869.21	208,000	(1,869)	244,238	34,368
749237 Cleaning Supplies	57,764.39	44,590	(13,174)	57,299	(465)
749242 Floor Maint Supplies	230.51	-	(231)	-	(231)
749310 Clothing And Uniforms	3,583.57	700	(2,884)	3,266	(317)
749311 Safety Shoes	48,621.32	49,880	1,259	73,492	24,870
749317 Safety Protective Clothing	-	2,000	2,000	-	-
749610 Photographic Supplies	494.47	-	(494)	787	292
749612 Electronic Equip Incl Aud/Vis	-	2,000	2,000	-	-
749650 Safety Equipment And Supplies	272,052.35	191,650	(80,402)	260,087	(11,966)
749651 Refrigerators Less Than \$500	-	-	-	1,256	1,256
749660 Misc Other Operating Supplies	98,718.70	37,700	(61,019)	119,917	21,198
749661 Lab Qual Cntrl Stds	7,030.30	17,500	10,470	-	(7,030)
749699 Other Mat & Supplies(Budget)	3,044.27	-	(3,044)	-	(3,044)
950993 Major Equipment Purchase Clear	-	-	-	-	-
Sewer Treatment and Disposal	92,308,371.77	83,104,082.50	(9,204,289.27)	86,772,429.94	(5,535,941.83)
Customer Accounting	2,862,863.90	3,816,587.72	953,723.82	2,444,317.62	(418,546.28)
Customer Service	9,553,897.95	9,575,264.50	21,366.55	7,711,643.56	(1,842,254.39)
General and Administration	45,628,431.81	53,187,348.82	7,558,917.01	44,950,322.83	(678,108.98)
TOTAL OPERATING & MAINTENANCE EXPENSES	215,317,670.44	208,109,910.22	(7,207,760.22)	199,822,312.10	(15,495,358.34)

Sources of Funds

Description of Funds	Fiscal Year 2014 -2015	Fiscal Year 2015 -2016	Fiscal Year 2016 -2017	Fiscal Year 2017 -2018	Fiscal Year 2018 -2019	Fiscal Year 2019 -2020	Fiscal Year Future	Total
Series S Revenue Bonds	\$ 84,532.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 84,532.00
Future Revenue Bonds	-	354,390	578,061	513,505	626,376	795,060	5,393,230	8,260,622
Wastewater Renewal & Replacement Fund	58,974	44,230	40,000	40,000	40,000	40,000	162,500	425,704
Plant Expansion Funds - Wastewater	38,933	9,742	10,531	20,426	7,777	1,850		89,259
General Obligation Bonds	3,641	4,727	6,728	20,081	23,999	25,286		84,462
Wastewater Special Construction Funds	300	400	500	500	500	500		2,700
Miami Springs Construction Funds	100	200	44					344
Total	\$ 186,480	\$ 413,689	\$ 635,864	\$ 594,512	\$ 698,652	\$ 862,696	\$ 5,555,730	\$ 8,947,623

ATTACHMENT (C)

FAP Comment 3. b

**MIAMI-DADE WATER AND SEWER DEPARTMENT
WASTEWATER DEBT SERVICE FUNDING REQUIREMENT WITH CAPITALIZED INTEREST
For the Period FY 2012-2013 through FY 2019-2020
(\$000)**

WASTEWATER SYSTEM	FY 2013-2014 PROJECTED	FY 2014-2015 BUDGET	FY 2015-2016 PROJECTED	FY 2016-2017 PROJECTED	FY 2017-2018 PROJECTED	FY 2018-2019 PROJECTED	FY 2019-2020 PROJECTED
Series 2007 Revenue Refunding Bonds	19,560,902	20,002,384	20,003,601	20,005,143	20,000,640	20,003,277	19,999,828
Series 2008A&B Revenue Refunding Bonds	48,153,425	48,227,019	48,305,290	48,372,877	48,480,981	48,560,268	48,620,893
Series 2008C Revenue Refunding Bonds	18,674,736	18,689,248	18,706,074	18,711,196	18,732,228	18,740,084	18,795,189
Series 2013B Revenue Refunding Bonds	301,991	815,774	815,774	815,774	815,774	815,774	815,774
Series 2010 Revenue Bonds	24,831,280	24,830,041	24,832,204	24,829,333	24,832,322	24,830,837	24,832,233
Series 2013A Revenue Bond	n/a	6,644,794	10,008,895	10,008,895	10,008,895	10,008,895	10,008,895
Future WASD Revenue Bonds (1)	n/a	n/a	n/a	5,314,000	26,381,000	67,153,000	103,607,000
Sewer State Revolving Fund Loan #CS120377400	2,522,547	630,637	n/a	n/a	n/a	n/a	n/a
Sewer State Revolving Fund Loan #CS120377450	1,857,766	1,857,766	1,857,766	309,628	n/a	n/a	n/a
Sewer State Revolving Fund Loan #CS120377470	790,880	790,880	790,880	n/a	n/a	n/a	n/a
Sewer State Revolving Fund Loan #CS120377490	200,301	200,301	200,301	41,729	n/a	n/a	n/a
Sewer State Revolving Fund Loan #CS120377500	1,623,674	1,623,674	1,623,674	1,623,674	1,623,674	338,266	n/a
Sewer State Revolving Fund Loan #CS120377650	48,664	48,664	48,664	48,664	48,664	48,664	48,664
Sewer State Revolving Fund Loan #CS120377670	188,996	188,996	188,996	188,996	188,996	188,996	188,996
Sewer State Revolving Fund Loan #CS120377860	249,236	249,236	249,236	249,236	249,236	249,236	249,236
Sewer State Revolving Fund Loan #CS120377870	321,739	321,739	321,739	321,739	321,739	321,739	321,739
Sewer State Revolving Fund Loan #CS12037788P	240,034	240,034	240,034	240,034	240,034	240,034	240,034
Sewer State Revolving Fund Loan #WW37789A	56,796	56,796	56,796	56,796	56,796	56,796	56,796
Sewer State Revolving Fund Loan #WW37789L	111,316	111,316	111,316	111,316	111,316	111,316	111,316
Sewer State Revolving Fund Loan #WW377900	7,277,696	7,594,118	7,594,118	7,594,118	7,594,118	7,594,118	7,594,118
Future Ammendments to Loan #WW377900	356,568	372,070	372,070	372,070	372,070	372,070	372,070
TOTAL WASTEWATER SYSTEM	127,368,547	133,495,487	136,327,428	139,215,218	160,058,483	199,633,370	235,862,781

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2015**

Report Id: WFR018

Run on: 01/07/16 09:48 AM

Source: GL

	Annual Budget 2015	YEAR-TO-DATE				
		Actual 2015	Budget 2015	Actual 2014	Budget 2014	
OPERATING & MAINTENANCE EXPENSES						
100057	OM Activity - GL use only (SC)	375,832	402,705	375,832	427,843	384,200
213005	Security Guard Services (SC)	600,000	9,136	600,000	613,737	600,000
213110	Comm. Sewer Collection (SC)	376,854	10,443	376,854	305,217	397,969
213410	Damages Investigate Sewer (SC)	95,579	4,626	95,579	86,759	91,626
260004	Security Services (SC)	-	561,077	-	-	-
260110	Communications (SC)	-	335,712	-	-	-
260402	Damages (SC)	-	121,307	-	-	-
350105	Construction Mgmt (SC)	-	23,871	-	3,454	49,430
514002	Comm Sewer Collection (SC)	-	-	-	(7,679)	-
520101	Install. of Elect Equip (SC)	-	6,032	-	5,989	-
520121	Maint. of Elect Equip (SC)	-	31	-	-	-
520521	Grounds Installs/Landscp (SC)	9,600	153	9,600	31,938	56,612
520541	Grounds Maint. Services (SC)	5,300	128	5,300	885	2,800
520621	Install Mech/Hvac-Refr Eq (SC)	-	4,370	-	3,494	-
520751	Install. of Plumb Equip (SC)	-	552	-	129	-
520777	Maint. of Plumbing Equip (SC)	1,600	6,728	1,600	8,724	1,250
520871	Misc Projects/Tasks (SC)	-	-	-	1,414	-
520901	Carpentry (SC)	400	531	400	-	-
520905	Locksmith Services (SC)	-	-	-	-	3,000
520913	Painting (SC)	2,300	(96)	2,300	578	-
520921	Structural Misc Task (SC)	3,000	4,952	3,000	3,573	-
620004	Sewer Coll & Trans System (SC)	-	59,081	-	(88,218)	-
630005	Outside Consultant Netwk (SC)	-	1,061,675	-	9,757	-
711301	Sewer Meter Related Work (SC)	594,432	599,180	594,432	535,560	87,600
711302	Maint Swr Meter Vaults (SC)	-	3,962	-	3,774	-
711306	Tap W/S Main (SC)	-	103	-	-	-
810002	Sewer Collection Actv (SC)	-	1,451,651	-	-	-
811015	Telemetry/SCADA (SC)	114,800	283,248	114,800	419,506	238,500
840001	Admin. & General (SC)	2,345,846	3,297,851	2,345,846	2,401,162	2,147,501
840002	Facilities Maint (SC)	296,300	10,346	296,300	9,488	166,800
840101	Cleaning (SC)	4,324,497	3,093,600	4,324,497	3,155,066	3,303,387
840102	Evaluation/Review (SC)	364,510	469,551	364,510	377,547	336,489
840103	Force Main Inspection (SC)	160,228	316,192	160,228	468,680	204,001
840104	Inspection-Repair Shop (SC)	391,486	701,432	391,486	487,818	133,351
840105	Joint Grouting (SC)	-	997,820	-	862,650	100,000
840106	Lateral TV Inspection (SC)	-	655,766	-	463,878	171,424
840107	Manhole Inspections (SC)	-	261,814	-	151,455	234,810
840108	Manhole Sealing (SC)	2,000	601,678	2,000	470,462	204,883
840109	Metering-Conductivity (SC)	316,708	142,427	316,708	171,508	112,544
840110	Metering-Night Flow (SC)	161,665	475,607	161,665	383,194	262,094
840111	Metering-Pre/Post (SC)	-	216	-	-	30,000
840112	Program Inspection (SC)	1,089,690	1,511,053	1,089,690	1,685,264	1,472,271
840113	Pump Station Improv Prog (SC)	100,500	27,377	100,500	-	100,400
840114	Smoke Test (SC)	180,104	332,591	180,104	406,462	248,181
840115	Warranty Inspection (SC)	-	-	-	545	-
840116	Wellfield Protect Inspec. (SC)	1,600	458,529	1,600	19,773	214,931
840117	I/I Contract - Inspection (SC)	1,900,000	187,271	1,900,000	67,542	1,900,000
840201	Air Rel Valve Maint & Ble (SC)	-	108,150	-	63,264	-
840202	Aut Air Rel Valve Install (SC)	-	-	-	4,448	11,300
840203	Autom Air Rel Valve Rep (SC)	-	137,965	-	69,384	-
840204	Dye Tests (SC)	-	28,030	-	18,119	-
840205	Force Main Installation (SC)	-	3,188	-	6,766	-
840206	Force Main Repairs (SC)	34,200	894,182	34,200	391,274	63,400

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2015**

Report Id: WFR018

Run on: 01/07/16 09:48 AM

Source: GL

	Annual Budget 2015	YEAR-TO-DATE			
		Actual 2015	Budget 2015	Actual 2014	Budget 2014
840207	-	284,789	-	10,766	-
840208	5,947,555	3,217,984	5,947,555	2,690,848	3,210,974
840209	-	443	-	1,720	-
840210	365,900	1,665,253	365,900	1,838,379	630,806
840211	209,400	71,660	209,400	160,824	60,100
840212	-	-	-	25,339	-
840213	-	1,136,344	-	1,239,143	378,905
840214	-	582,388	-	433,819	142,264
840215	-	253	-	-	-
840216	-	26,139	-	65,502	-
840217	1,426,375	842,591	1,426,375	1,184,907	980,523
840218	-	1,386	-	3,625	1,000
840219	-	6,252	-	16,919	700
840220	-	59,204	-	244,362	-
840240	-	24,793	-	34,712	-
850129	35,700	50,666	35,700	46,881	33,100
Sewer Collection	21,833,960	27,633,938	21,833,960	22,499,929	18,769,126
100058	590,648	631,744	590,648	670,542	603,800
213006	1,200,000	67,502	1,200,000	1,047,259	1,000,000
213120	86,881	10,470	86,881	301,095	382,181
260005	-	853,120	-	-	-
260120	-	366,403	-	-	-
350102	-	135	-	62,592	-
514003	-	-	-	(7,679)	-
520002	140,000	-	140,000	-	124,565
520102	600	118,580	600	59,325	2,000
520301	7,600	21,146	7,600	16,572	4,400
520522	-	2,455	-	6,677	-
520542	40,030	455,680	40,030	411,859	221,638
520622	62,000	13,316	62,000	18,872	55,000
520642	-	-	-	-	300
520662	49,500	17,314	49,500	20,750	66,300
520778	7,300	49,919	7,300	33,693	26,241
520872	1,700	25,504	1,700	37,680	24,682
520902	5,500	10,645	5,500	40,938	45,348
520906	-	38	-	5,305	-
520910	400	5,295	400	-	800
520914	3,000	-	3,000	4,469	-
520922	4,000	150,152	4,000	109,431	1,500
630111	75,000	17,260	75,000	7	5,000
810001	200,000	1,360,924	200,000	312,741	-
811016	1,854,134	1,888,371	1,854,134	1,841,009	2,062,561
830001	1,954,285	1,647,910	1,954,285	1,673,633	1,770,810
830002	433,766	406,054	433,766	379,178	543,103
830003	27,000	14,634	27,000	6,960	2,500
830004	207,486	202,952	207,486	198,242	208,166
830005	389,335	915,237	389,335	956,858	841,957
830101	-	45,070	-	-	-
830200	-	66,006	-	82,026	-
830203	968,428	1,177,631	968,428	1,022,061	878,450
830204	300	-	300	-	-
830205	-	-	-	14	-
830206	4,875,967	1,792,370	4,875,967	1,220,578	1,285,882
830300	7,260,100	5,621,439	7,260,100	6,705,413	7,000,150
830301	4,634,720	3,197,501	4,634,720	2,717,866	2,728,257
830302	29,800	212,369	29,800	223,207	171,802

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2015**

Report Id: WFR018

Run on: 01/07/16 09:48 AM

Source: GL

	Annual Budget 2015	YEAR-TO-DATE			
		Actual 2015	Budget 2015	Actual 2014	Budget 2014
830303 Equip-Predictive (SP)	600	1,218	600	5,671	2,700
830304 Equip-Corrective (SP)	4,084,100	8,634,231	4,084,100	8,422,714	7,310,301
830305 Equip-Engineering (SP)	-	-	-	81	-
830306 Equip-Supervision (SP)	704,053	953,845	704,053	726,293	810,330
830307 Equip-Other (SP)	418,000	444,973	418,000	478,430	698,501
830404 GroundsCorrective (SP)	100	2,600	100	209	11,500
830500 Structures (SP)	167,900	174,724	167,900	182,316	186,639
830501 Struct-Routine (SP)	27,800	1,032,843	27,800	870,710	701,231
830502 Struct-Preventive (SP)	5,000	6,105	5,000	71,219	197,289
830503 Struct-Predictive (SP)	-	-	-	580	200
830504 Struct-Corrective (SP)	57,200	1,085,884	57,200	948,970	859,240
830505 Struct-Engineering (SP)	-	45	-	37	-
830506 Struct-Supervision (SP)	528,273	502,940	528,273	413,250	590,187
830507 Struct-Other (SP)	2,782,215	846,523	2,782,215	647,398	627,229
830603 RemAct/Spil-Shutdowns (SP)	-	-	-	792	-
830700 Inspection (SP)	-	3,066	-	7,491	900
830703 Insp-ET's (SP)	21,700	172,598	21,700	163,362	25,000
830704 Insp-Prop Pump Stations (SP)	1,500	29,197	1,500	33,243	2,000
830900 Emergency (SP)	5,500	600	5,500	-	200
830901 Emerg - Hurrican Preparat (SP)	14,200	-	14,200	-	17,200
830902 Emerg-Hurricane Recovery (SP)	112,500	-	112,500	16	140,700
830906 Emergency - OPP (SP)	-	1,282	-	1,162	900
830907 Assist other Division (SP)	-	2,105	-	558	-
850130 Utilities Monitoring (SP)	1,655,100	1,289,358	1,655,100	1,485,759	1,593,300
850203 Assistance to Other Div (SP)	6,450	72,819	6,450	57,972	600
850205 Emerg Actv/Emg Gen-Stby (SP)	20,050	-	20,050	-	-
850209 Maint/Rep-Diesel Eqp/Gens(SP)	697,797	548,165	697,797	566,993	900,857
850213 Maint/Rep-Pump Stations (SP)	162,700	159,900	162,700	179,269	263,550
850220 Maint/Rep-Struct/Grounds (SP)	300	-	300	-	1,300
850222 Underground Piping/Valves (SP)	10,050	-	10,050	-	50
850224 Remedial Action/Spills (SP)	100	-	100	-	100
850228 Odor Control (SP)	-	-	-	-	150
Sewer Pumping	36,592,667	37,330,167	36,592,667	35,443,669	34,999,547
100059 OM Activity - GL use only (ST)	85,876	1,071,630	85,876	1,895,399	1,357,600
213007 Security Guard Services (ST)	2,400,000	173,838	2,400,000	2,285,724	2,300,000
221001 High Level Disinfection (ST)	-	-	-	-	1,500
260006 Security Services (ST)	-	3,092,195	-	-	-
320002 Expense Projects (ST)	-	8,539	-	15,727	184,799
350107 Construction Mgmt (ST)	-	15	-	3,945	-
520302 Fueling/Recovery Deliv (ST)	11,100	28,695	11,100	29,212	10,600
520463 Fire Protection System (ST)	-	5,104	-	6,236	2,000
520501 Grounds Contract Services (ST)	371,080	319,768	371,080	407,281	330,300
520523 Grounds Installs/Landscp (ST)	6,500	8,151	6,500	659	200
520543 Grounds Maint. Services (ST)	1,087,879	814,296	1,087,879	746,597	922,703
520623 Install Mech/Hvac-Refr Eq (ST)	3,500	-	3,500	-	3,000
520643 Maintenance Contracts (ST)	-	-	-	-	2,000
520663 Maint. of Mech Hvac Equip (ST)	947,239	786,540	947,239	860,898	1,145,735
520779 Maint. of Plumbing Equip (ST)	57,072	309	57,072	8,398	-
520873 Misc Projects/Tasks (ST)	16,600	12,756	16,600	13,000	2,600
520923 Structural Misc Task (ST)	5,300	-	5,300	-	50
520974 Rentals-Other Divisions (ST)	278,000	582,222	278,000	403,505	189,800
620001 Sew Treatment Plant Maint (ST)	960,000	1,593,294	960,000	334,410	901,500
630003 Admin. & General (ST)	-	-	-	14,800	-
630102 Hazardous Waste Disposal (ST)	230,100	53,745	230,100	294,156	127,700
630503 License and Permit Fees (ST)	183,180	24,355	183,180	266,315	441,500
740001 LabS Treat & Disp Exp (ST)	2,500,399	2,712,609	2,500,399	2,489,321	2,669,895

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2015**

	Annual Budget 2015	YEAR-TO-DATE			
		Actual 2015	Budget 2015	Actual 2014	Budget 2014
810003 Sewer Treatment Actv (ST)	3,054,440	3,920,070	3,054,440	984,125	2,000,000
811017 Telemetering/SCADA (ST)	3,134,989	2,316,406	3,134,989	2,231,277	2,770,048
811018 Main/Rep-Rad/Com Eq (ST)	85,400	40,119	85,400	38,855	115,300
811021 Instl/Rep/Cam/Surv Eq (ST)	327,421	386,481	327,421	371,041	395,036
850001 Admin. & General (ST)	27,718,355	28,795,631	27,718,355	27,842,315	28,738,803
850002 Adm&Gnl-CMMS (ST)	569,028	595,344	569,028	546,753	534,228
850003 Adm&Gnl-Supervision (ST)	150	-	150	7,050	250
850004 Adm&Gnl-Permitting (ST)	6,425	6,181	6,425	10,112	6,050
850005 CDL Random Testing (ST)	100	15,054	100	341	150
850006 Training (ST)	21,250	86,003	21,250	106,141	23,400
850007 Union Activities (ST)	850	108,500	850	117,880	119,235
850103 Emerg Power Generation (ST)	13,000	342	13,000	658	2,000
850104 Odor Control (ST)	2,453,142	4,295,056	2,453,142	4,169,260	1,759,700
850106 Pumping Stations (ST)	280,111	151,372	280,111	120,243	236,889
850109 Training (ST)	69,800	137,733	69,800	74,759	57,300
850111 Purchased Treatment (ST)	250	-	250	36	1,150
850112 Reuse Facility (ST)	115,089	91,013	115,089	104,656	109,159
850114 Sludge Cons & Diges Ops (ST)	285,256	159,258	285,256	191,825	328,340
850115 Dewatering (ST)	1,729,742	1,997,608	1,729,742	1,969,182	2,126,895
850116 Solids Handling (ST)	8,954,658	9,722,873	8,954,658	9,444,494	6,436,115
850117 Headworks (ST)	215,566	4,117	215,566	30,024	-
850119 Secondary Clarification (ST)	527,018	379,710	527,018	413,285	565,515
850120 O2 Generation (ST)	1,053,483	932,967	1,053,483	885,558	645,956
850121 Non Emer Power Generation (ST)	530,737	1,111,702	530,737	857,770	572,406
850122 Final Station (ST)	8,100	5,250	8,100	7,390	-
850123 Deep Well Injection (ST)	400,400	272,284	400,400	333,823	100
850124 Tanker Duty (ST)	5,100	2,636	5,100	3,597	5,000
850125 Biosolids Processing (ST)	9,350	2,671	9,350	7,465	3,850
850127 Vessel Cleaning (ST)	52,400	204,490	52,400	167,714	102,450
850128 Special Projects (ST)	52,150	94,082	52,150	10,591	224,850
850202 Other Maintenance (ST)	281,825	598,062	281,825	836,645	1,281,650
850204 Assistance to Other Div (ST)	4,150	5,550	4,150	9,186	11,750
850206 Emerg Actv/Emerg Gen-Stby (ST)	54,550	200,329	54,550	120,246	28,350
850208 Maint/Rep-Co-Generation(ST)	107,610	191,810	107,610	118,404	219,372
850210 Maint/Rep-Diesel Eqp/Gens(ST)	2,102,815	2,173,085	2,102,815	2,084,263	1,642,718
850211 Maint/Rep-Plant Equipment (ST)	14,116,091	14,951,334	14,116,091	13,806,878	12,507,256
850212 Maint/Rep-Instr/Ctrls/Mtrs(ST)	1,890,182	2,083,378	1,890,182	2,007,361	1,547,328
850214 Maint/Rep-Pump Stations (ST)	4,250	172	4,250	41,064	10,900
850215 Maint/Rep-Radio/Comm (ST)	2,600	-	2,600	-	200
850216 Maint/Rep-Cryogenic Plant (ST)	8,350	102,100	8,350	19,095	8,900
850217 Maint/Rep-Sldg Concnt/Digs(ST)	88,150	255,817	88,150	495,335	93,750
850218 Maint/Rep-Sldg Dewatering(ST)	64,350	47,089	64,350	61,837	63,600
850219 Maint/Rep-Sludge Handling (ST)	245,033	18,924	245,033	22,257	38,700
850221 Maint/Rep-Struct/Grounds (ST)	2,851,769	3,396,906	2,851,769	3,993,554	2,909,193
850223 Underground Piping/Valves (ST)	202,972	221,790	202,972	333,312	196,163
850225 Remedial Action/Spills (ST)	15,600	-	15,600	-	11,600
850227 Telemetering/SCADA (ST)	-	25,547	-	54,038	50
850230 Special Projects (ST)	246,200	913,465	246,200	1,645,151	211,478
Sewer Treatment and Disposal	83,104,083	92,308,372	83,104,083	86,772,430	79,256,615
Customer Accounting	8,360,427	6,354,839	8,360,427	5,654,046	7,695,870
Customer Service	22,268,057	21,713,404	22,268,057	17,526,463	18,471,723
General and Administration	96,679,725	82,947,138	96,679,725	81,661,799	89,427,703
TOTAL O&M EXPENSES	383,005,327	376,085,807	383,005,327	349,842,745	356,578,251

Table 3 Wastewater System Proposed Budget Schedule -

MIAMI-DADE WATER AND SEWER DEPARTMENT - FINANCIAL PROJECTION
Consolidated Financial Projection - Wastewater Systems (\$000)
(On an accrual basis for Budget Purposes)
(Proposed Debt Service calculated with Capitalized Interest)

This schedule is an example of how annual operating revenues are proposed to be allocated.

	Retail Rate Increase													
	Revenue @ 98%, 95%		Revenues @ 100%		Revenues @ 98%, 95%		Revenues @ 98%, 95%		Revenues @ 98%, 95%		Revenues @ 98%, 95%			
	6%	6%	6%	6%	6%	5%	5%	5%	5%	5%	5%	15%		
Wastewater System	FY 12-13 Actual	FY 13-14 Pre-Audit Actual	Incr Decr	FY 14-15 Adpoted Budget	FY 14-15 Projected	Incr Decr	FY 15-16 Future	Incr Decr	FY 16-17 Future	Incr Decr	FY 17-18 Future	Incr Decr	FY 18-19 Future	Incr Decr
Revenues:														
Wastewater System Operating Revenues	\$300,096	\$315,237	5%	\$325,878	\$334,430	6%	\$347,573	7%	\$362,510	4%	\$378,150	4%	\$424,328	12%
Interest Income	\$724	\$863		\$1,007	\$1,007		\$1,233		\$1,499		\$1,619		\$1,888	
Other Adjustments (net change accruals&payables)	\$3,884	\$0		\$0	\$0		\$0		\$0		\$0		\$0	
Transferred From WASD General Reserve to Wastewater Operations	\$0	\$33,285		\$42,687	\$34,135		\$41,466		\$36,772		\$49,675		\$52,090	
Total Revenues:	\$304,704	\$349,385		\$369,572	\$369,572		\$390,272		\$400,781		\$429,444		\$478,306	
Expenditures:														
Wastewater System Operating & Maintenace Expenditures	(\$190,204)	(\$200,700)	6%	(\$205,989)	(\$205,989)	0%	(\$212,809)	3%	(\$220,315)	4%	(\$228,090)	4%	(\$237,161)	4%
Debt Service -Existing (net of Swap receipts)	(\$105,431)	(\$121,843)		(\$133,495)	(\$133,495)		(\$136,327)		(\$133,901)		(\$133,677)		(\$132,480)	
Debt Service - Future	\$0	\$0		\$0	\$0		\$0		(\$5,314)		(\$26,381)		(\$67,153)	
Operating Revenues Transferred To Wastewater Renewal & Replacment Capital Fund	(\$2,465)	(\$25,000)		(\$28,000)	(\$28,000)		(\$40,000)		(\$40,000)		(\$40,000)		(\$40,000)	
Operating Revenues Transferred To Bond Required Reserve	(\$802)	(\$1,842)		(\$2,088)	(\$2,088)		(\$1,137)		(\$1,251)		(\$1,296)		(\$1,512)	
Transferred To WASD General Reserves	(\$5,802)	\$0		\$0	\$0		\$0		\$0		\$0		\$0	
Total Expenditures Operating and Non-Operating	(\$304,704)	(\$349,385)	4%	(\$369,572)	(\$369,572)	7%	(\$390,272)	5%	(\$400,781)	6%	(\$429,443)	6%	(\$478,305)	25%
Net Overage/(Deficit) in Revenues	\$0	\$0		(\$0)	\$0		\$0		\$0		\$0		\$0	
% Increase for Net Deficit		0.00%		0.00%	0.00%		0.00%		0.00%		0.00%		0.00%	

FAP Comment 2 b.
FAP Comment 2 b.
FAP Comment 2 b.

Water and Wastewater Reserve Balances

Reserve Required By Bond Ordinance	\$30,402	\$32,244	6%	\$34,332	\$34,332	0%	\$35,468	3%	\$36,719	4%	\$38,015	4%	\$39,527	4%
Water and Wastewater Rate Stabilization Fund Balance	\$30,534	\$30,534	0%	\$30,534	\$30,534		\$30,534	0%	\$30,534	0%	\$30,534	0%	\$30,534	0%
Water and Sewer General Reserve Fund Balance	\$28,255	\$34,060		\$39,443	\$35,306		\$28,811		\$26,491		\$33,468		\$26,899	
Water System Transfer to/(from) General Reserve	\$0	\$34,530		\$20,897	\$27,640		\$39,146		\$43,750		\$43,106		\$50,971	
Wastewater System Transfer to/(from) General Reserve	\$5,805	(\$33,284)		(\$42,687)	(\$34,135)		(\$41,466)		(\$36,773)		(\$49,675)		(\$52,090)	
Water and Sewer General Reserve Fund Ending Balance	\$34,060	\$35,306	4%	\$17,653	\$28,811	-18%	\$26,491	50%	\$33,468	26%	\$26,899	-20%	\$25,780	-4%

FAP Comment 1 c.

TABLE 4 - WASTEWATER SYSTEM MYCIP 2014 - 2020

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	FUTURE	TOTAL
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102037	FURNISH AND INSTALL OF 8-INCH D.I. FM ALONG SW 216 ST. FROM SW 98 CT. TO SW 99 AVE.	\$176,000	\$0	\$0	\$0	\$0	\$0	\$0	\$176,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102050	UPGRADE 4" FM FROM PS 733 ON US1	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102051	UPGRADE 6" FM AT SW 160 ST AND 92 AVE	\$700,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$1,200,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102063	24-INCH FM CONNECTION FROM PS 1073 TO PS 691	\$0	\$0	\$0	\$0	\$0	\$21,084	\$6,428,916	\$6,450,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102067	42-INCH FM CONNECTION FROM PS 691 TO PS 692	\$0	\$0	\$617,400	\$836,557	\$1,236,782	\$1,291,531	\$38,117,730	\$42,100,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102077	FORCE MAIN CONNECTION FROM PS 692 TO SW 232 ST/SW 127 AVE	\$0	\$0	\$128,122	\$1,622,050	\$2,883,029	\$1,916,137	\$40,510,662	\$47,060,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102078	FORCE MAIN CONNECTION IN SW 137 AVE FROM SW 136 ST TO SP-1	\$16,474	\$445,246	\$1,320,541	\$2,475,296	\$15,429,246	\$41,310,000	\$4,123,197	\$65,120,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102079	FORCE MAIN CONNECTION SW 137 AVE FROM SP-1 TO SW 232 ST/SW 127 AVE	\$19,077	\$733,548	\$1,584,214	\$8,366,995	\$37,908,651	\$9,480,000	\$1,347,515	\$59,440,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102087	UPGRADE PS 692	\$0	\$0	\$533,377	\$1,675,837	\$3,578,135	\$20,400,286	\$23,812,365	\$50,000,000
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS	102088	UPGRADE PS 1073	\$0	\$0	\$503,466	\$1,272,110	\$2,094,275	\$10,958,571	\$5,171,578	\$20,000,000
1011	GRAVITY SEWER RENOVATIONS	100889	REHABILITATION OF SEWER MAINS DUE TO I/I - DIG AND REPLACE	\$614,722	\$1,402,948	\$2,000,000	\$2,458,452	\$3,000,000	\$0	\$0	\$9,476,122
1011	GRAVITY SEWER RENOVATIONS	101807	REHAB OF ALL JUNCTION CHAMBERS AND ASSOCIATED LINES	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
1012	SANITARY SEWER SYSTEM IMPROVEMENTS	100055	SPECIAL CONSTRUCTION - SANITARY SEWER IMPROVEMENTS	\$300,000	\$400,000	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$2,700,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101108	MIAMI SERVICE FACILITY - PHASE 2	\$500,000	\$2,300,000	\$3,200,000	\$4,700,000	\$4,000,000	\$4,022,484	\$2,000,000	\$20,722,484
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101461	NORTH MAINTENANCE CENTER	\$0	\$500,000	\$2,174,912	\$5,000,000	\$4,500,000	\$0	\$0	\$12,174,912
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101506	SOUTH MAINTENANCE CENTER	\$2,235,000	\$8,515,000	\$8,000,000	\$6,740,000	\$0	\$0	\$0	\$25,490,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101653	11TH STREET DISTRIBUTION FACILITY RENOVATION	\$388,510	\$1,211,490	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$3,600,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101654	WESTWOOD LAKES FACILITY ELEVATOR RENOVATION	\$100,000	\$600,000	\$800,000	\$0	\$0	\$0	\$0	\$1,500,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101886	MIAMI GARDENS (CAROL CITY YARD) - MODULAR / STEEL BUILDING	\$500,000	\$700,000	\$100,000	\$0	\$0	\$0	\$0	\$1,300,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101887	MEDLEY YARD BUILDING	\$200,000	\$400,000	\$100,000	\$0	\$0	\$0	\$0	\$700,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101999	WEST MAINTENANCE CENTER	\$0	\$0	\$0	\$0	\$0	\$0	\$41,000,000	\$41,000,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	102000	GENERAL MAINTENANCE LAND ACQUISITION - SEWER	\$0	\$0	\$0	\$0	\$0	\$0	\$3,500,000	\$3,500,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	102001	LEJEUNE ROAD OFFICE EXPANSION - PHASE 2	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$5,000,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	102030	EMERGENCY PREPAREDNESS/RECOVERY PROJECTS	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000,000	\$25,000,000
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	102052	MAINTENANCE & STORAGE BUILDING FOR THE PUMP STATION DIVISION	\$600,000	\$1,000,000	\$400,000	\$0	\$0	\$0	\$0	\$2,000,000
1014	CORROSION CONTROL FACILITIES IMPROVEMENTS	100984	REFURBISH STRUCTURES IN PUMP STATIONS	\$500,000	\$1,500,000	\$3,000,000	\$1,699,919	\$500,000	\$0	\$0	\$7,199,919
1015	PUMP STATION IMPROVEMENTS PROGRAM	101454	PUMP STATION IMPROVEMENT PROGRAM	\$15,000,000	\$65,000,000	\$60,600,000	\$35,000,000	\$0	\$0	\$0	\$175,600,000
1018	PEAK FLOW MANAGEMENT FACILITIES	100618	36-INCH FM INTERCONNECT PS 1 AND PS 2	\$34,806	\$179,129	\$986,939	\$1,169,247	\$0	\$0	\$0	\$2,370,121
1018	PEAK FLOW MANAGEMENT FACILITIES	101459	PEAK FLOW MANAGEMENT FACILITIES - MISCELLANEOUS PEAK FLOW PROJECTS	\$1,510,633	\$448,599	\$1,000,000	\$0	\$0	\$0	\$0	\$2,959,232
1018	PEAK FLOW MANAGEMENT FACILITIES	101710	MASTER PUMP STATION NO. 3 (FORMERLY P.S. 8)	\$15,000,000	\$13,000,000	\$10,000,000	\$5,000,000	\$0	\$0	\$0	\$43,000,000

TABLE 4 - WASTEWATER SYSTEM MYCIP 2014 - 2020

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	FUTURE	TOTAL
1032	WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES	101808	EMD GENERATOR HOUSING REPLACEMENT AT WWTP	\$500,000	\$750,000	\$550,000	\$0	\$0	\$0	\$0	\$1,800,000
1032	WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES	101812	OXYGEN PLANT CONTROLS UPGRADE AT THE WWTP	\$454,362	\$386,644	\$908,994	\$0	\$0	\$0	\$0	\$1,750,000
1032	WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES	101885	WWTP - VIDEO SURVEILLANCE SYSTEM	\$750,000	\$2,000,000	\$1,750,000	\$0	\$0	\$0	\$0	\$4,500,000
1032	WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES	101944	WWTP - REPLACEMENT OF WWTP ELECTRICAL INSTRUMENTATION EQUIPMENT	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
1032	WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES	102004	WASTEWATER TREATMENT PLANTS MISCELLANEOUS UPGRADES	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500,000	\$7,500,000
1036	WASTEWATER TREATMENT PLANTS EFFLUENT REUSE	101851	SR-D 72-INCH RECLAIMED WATER PIPELINE - SDWWTP TO FPL (TURKEY PT)	\$0	\$0	\$0	\$0	\$0	\$0	\$95,000,000	\$95,000,000
1037	SOUTH DISTRICT WASTEWATER TREATMENT PLANT- HIGH LEVEL DISINFECTION	101624	SDWWTP - LOW LIFT TRANSFER PUMP STATION	\$607,548	\$0	\$0	\$0	\$0	\$0	\$0	\$607,548
1037	SOUTH DISTRICT WASTEWATER TREATMENT PLANT- HIGH LEVEL DISINFECTION	101901	SOLIDS CONTROL IMPROVEMENTS	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
1039	MIAMI SPRINGS CONSTRUCTION FUND - WASTEWATER	101791	CONTRACT SPECIFICATIONS MIASP	\$100,000	\$200,000	\$43,635	\$0	\$0	\$0	\$0	\$343,635
1040	OUTFALL LEGISLATION	101858	FLOW CONTROL PIPELINE INTERCONNECTION	\$0	\$0	\$0	\$0	\$0	\$140,052	\$4,859,948	\$5,000,000
1040	OUTFALL LEGISLATION	101867	CDWWTP HLD FILTERS (141 MGD)	\$0	\$0	\$0	\$0	\$95,432	\$5,410,612	\$167,815,394	\$173,321,438
1040	OUTFALL LEGISLATION	102006	NDWWTP - HLD TREATMENT 57 MGD	\$0	\$0	\$0	\$0	\$6,978	\$918,731	\$63,015,228	\$63,940,937
1040	OUTFALL LEGISLATION	102007	NDWWTP - BZ DEEP INJECTION WELLS	\$0	\$0	\$0	\$0	\$53,076	\$2,898,730	\$89,899,148	\$92,850,954
1040	OUTFALL LEGISLATION	102008	NDWWTP - BZ DISPOSAL EFFLUENT PUMP STATION	\$0	\$0	\$0	\$0	\$5,353	\$1,191,355	\$36,514,574	\$37,711,282
1040	OUTFALL LEGISLATION	102009	CDWWTP- BZ DISPOSAL EFFLUENT PUMP STATION	\$0	\$0	\$0	\$824,244	\$4,977,449	\$1,442,742	\$68,583,652	\$75,828,087
1040	OUTFALL LEGISLATION	102010	CDWWTP- BZ DEEP INJECTION WELLS	\$0	\$0	\$1,572,701	\$7,237,201	\$3,240,596	\$5,321,241	\$149,769,483	\$167,141,222
1040	OUTFALL LEGISLATION	102012	SOUTHWEST DADE BOOSTER STATION	\$696,428	\$2,938,511	\$1,416,198	\$10,620,081	\$50,881,500	\$8,447,282	\$0	\$75,000,000
1040	OUTFALL LEGISLATION	102013	CDWWTP - FA REUSE PUMP STATION	\$0	\$0	\$0	\$0	\$0	\$675,124	\$18,024,876	\$18,700,000
1040	OUTFALL LEGISLATION	102014	CDWWTP - FA REUSE INJECTION WELLS	\$0	\$0	\$0	\$0	\$0	\$251,912	\$6,648,088	\$6,900,000
1040	OUTFALL LEGISLATION	102034	WEST DISTRICT WASTEWATER TREATMENT PLANT	\$19,500,000	\$12,337,624	\$41,810,146	\$26,255,478	\$18,154,279	\$9,099,475	\$1,176,256,182	\$1,303,413,184
1040	OUTFALL LEGISLATION	102068	48-INCH FM CONNECTION IN NW 58 ST FROM NW 107 AVE TO NW 79 AVE - DORAL	\$0	\$18,101	\$555,542	\$1,138,216	\$3,170,382	\$32,845,126	\$3,642,633	\$41,370,000
1040	OUTFALL LEGISLATION	102070	54-INCH FM FROM WP-1 (DORAL) TO WDWTP	\$0	\$0	\$0	\$0	\$1,842,605	\$5,804,942	\$91,932,453	\$99,580,000
1040	OUTFALL LEGISLATION	102071	72-INCH FM CONNECTION IN SW 137 AVE TO CL-4 FM IN NW 6 ST	\$0	\$0	\$0	\$0	\$4,467	\$971,552	\$29,753,981	\$30,730,000
1040	OUTFALL LEGISLATION	102075	DORAL BOOSTER STATION (WP-1)	\$0	\$626,551	\$545,566	\$2,220,478	\$3,237,732	\$40,383,896	\$2,985,777	\$50,000,000
1040	OUTFALL LEGISLATION	102076	EAST/WEST 72/84-INCH FM CONNECTION FROM PS 187 TO WDWTP	\$0	\$0	\$0	\$0	\$1,989,750	\$1,904,592	\$153,485,658	\$157,380,000
1040	OUTFALL LEGISLATION	102084	SDWWTP - FA REUSE INJECTION WELLS	\$0	\$0	\$0	\$0	\$0	\$251,912	\$6,648,088	\$6,900,000
1040	OUTFALL LEGISLATION	102085	SDWWTP - FA REUSE PUMP STATION	\$0	\$0	\$0	\$0	\$0	\$675,124	\$18,024,876	\$18,700,000
1040	OUTFALL LEGISLATION	102089	WDWWTP - BIOSOLIDS PROCESSING PLANT	\$0	\$0	\$0	\$0	\$83,542	\$4,705,467	\$145,942,524	\$150,731,533
1040	OUTFALL LEGISLATION	102090	WDWWTP - FA REUSE INJECTION WELLS	\$0	\$0	\$0	\$0	\$0	\$251,912	\$6,648,088	\$6,900,000
1040	OUTFALL LEGISLATION	102091	WDWWTP - FA REUSE PUMP STATION	\$0	\$0	\$0	\$0	\$0	\$675,124	\$18,024,876	\$18,700,000
1040	OUTFALL LEGISLATION	102092	WDWWTP - INJECTION WELL PUMP STATION	\$0	\$0	\$0	\$0	\$1,404,221	\$2,398,434	\$114,509,857	\$118,312,512
1040	OUTFALL LEGISLATION	102093	WDWWTP - INJECTION WELLS	\$0	\$0	\$0	\$0	\$3,755,146	\$14,267,907	\$241,960,372	\$259,983,425
1040	OUTFALL LEGISLATION	102094	WDWWTP - PEAK FLOW TREATMENT	\$0	\$0	\$0	\$0	\$3,755,146	\$14,267,907	\$148,679,851	\$166,702,904
1040	OUTFALL LEGISLATION	102113	48 INCH FM IN NW 54 ST FROM 79 AVE TO NW 72 AVE	\$0	\$95,993	\$933,262	\$628,602	\$7,235,873	\$4,206,270	\$0	\$13,100,000
1040	OUTFALL LEGISLATION	102121	54-INCH FM CONNECTION IN SW 232 ST FROM SW 127 AVE TO SDWWTP	\$490,883	\$893,909	\$7,278,268	\$30,874,903	\$47,392,037	\$0	\$0	\$86,930,000
1040	OUTFALL LEGISLATION	102125	WWTP - STORM SURGE PROTECTION	\$0	\$0	\$0	\$0	\$38,108	\$1,979,809	\$163,795,085	\$165,813,002
1041	GENERAL OBLIGATION BONDS	101611	SANITARY SEWER SYSTEM ENHANCEMENTS	\$622,500	\$959,971	\$1,284,264	\$17,508,619	\$16,652,386	\$4,756,929	\$0	\$41,784,669
1041	GENERAL OBLIGATION BONDS	101612	SANITARY SEWER NEEDS ASSESSMENT	\$812,825	\$1,271,789	\$1,612,559	\$558,000	\$100,000	\$776,400	\$0	\$5,131,573

TABLE 4 - WASTEWATER SYSTEM MYCIP 2014 - 2020

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	FUTURE	TOTAL
1041	GENERAL OBLIGATION BONDS	101613	SANITARY SEWER SYSTEM MUNICIPAL PROJECTS	\$0	\$0	\$0	\$800,000	\$4,300,000	\$14,795,000	\$0	\$19,895,000
1041	GENERAL OBLIGATION BONDS	101796	UPGRADE OF MIAMI SPRINGS PUMP STATION AND CONTRACT SPECIFICATIONS	\$200,000	\$70,965	\$0	\$0	\$0	\$0	\$0	\$270,965
1041	GENERAL OBLIGATION BONDS	101949	SANITARY SEWER SYSTEM EXTENSION	\$200,000	\$400,000	\$1,800,231	\$366,500	\$2,946,500	\$4,958,242	\$0	\$10,671,473
1041	GENERAL OBLIGATION BONDS	101950	PERRINE - CUTLER RIDGE WASTEWATER MAINS IMPROVEMENTS	\$1,305,901	\$654,098	\$0	\$0	\$0	\$0	\$0	\$1,959,999
1041	GENERAL OBLIGATION BONDS	101957	NW 37TH AVENUE - SEWER MAINS IMPROVEMENTS	\$500,000	\$1,370,000	\$2,030,501	\$847,871	\$0	\$0	\$0	\$4,748,372
1042	WASTEWATER-PIPES AND INFRASTRUCTURE PROJECTS	101967	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	\$3,000,000	\$6,811,490	\$6,325,835	\$5,825,610	\$5,310,378	\$4,779,689	\$0	\$32,053,002
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102500	SDWWTP - Headworks	\$0	\$41,875	\$6,546	\$155,168	\$372,446	\$153,812	\$0	\$729,847
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102501	SDWWTP - Oxygen Production	\$105,283	\$350,283	\$3,384,660	\$3,331,715	\$0	\$0	\$0	\$7,171,941
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102502	SDWWTP - Oxygenation Trains	\$0	\$0	\$911,323	\$211,246	\$1,324,917	\$2,261,600	\$13,476,196	\$18,185,282
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102503	SDWWTP - Chlorine Building	\$0	\$0	\$0	\$0	\$148,551	\$21,189	\$2,359,031	\$2,528,771
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102504	SDWWTP - Effluent Pump Station	\$950,000	\$125,210	\$1,310,374	\$323,899	\$1,964,830	\$5,604,385	\$14,306,543	\$24,585,241
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102505	SDWWTP - Gravity Sludge Thickeners	\$72,139	\$269,257	\$2,306,074	\$2,341,755	\$0	\$0	\$0	\$4,989,225
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102506	SDWWTP - Digesters and Control Buildings	\$390,825	\$1,445,736	\$8,131,560	\$8,395,381	\$9,867,760	\$10,507,448	\$9,971,082	\$48,709,792
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102507	SDWWTP - Dewatering Facility	\$300,000	\$138,543	\$2,654,786	\$5,850,499	\$6,426,163	\$1,276,379	\$0	\$16,646,370
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102508	SDWWTP - FOG Removal Facility	\$8,607	\$219,221	\$543,500	\$104,539	\$0	\$0	\$0	\$875,867
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102509	SDWWTP - Odor Control	\$0	\$0	\$0	\$0	\$444,467	\$94,461	\$7,619,095	\$8,158,023
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102510	SDWWTP - General Electrical	\$0	\$0	\$681,479	\$125,860	\$2,058,558	\$6,223,015	\$3,107,130	\$12,196,042
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102511	SDWWTP - Chlorine Contact Chamber Structural	\$0	\$82,897	\$317,234	\$56,779	\$1,367,926	\$2,953,739	\$2,174,693	\$6,953,268
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102600	CDWWTP - Electrical Improvements	\$0	\$0	\$1,585,105	\$326,394	\$10,213,423	\$16,334,085	\$0	\$28,459,007
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102601	CDWWTP - Building improvements	\$116,288	\$4,548	\$5,301,533	\$0	\$0	\$0	\$0	\$5,422,369
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102602	Headworks Plant 1	\$124,075	\$2,477,439	\$10,823,783	\$7,272,399	\$0	\$0	\$0	\$20,697,696
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102603	CDWWTP - Headworks Plant 2	\$728,269	\$140,984	\$9,128,599	\$10,402,809	\$0	\$0	\$0	\$20,400,661
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102604	CDWWTP - Oxygenation Trains Plant 1	\$98,621	\$0	\$3,160,985	\$3,280,190	\$0	\$0	\$0	\$6,539,796
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102605	CDWWTP - Oxygenation Trains Plant 2	\$0	\$795,368	\$222,336	\$492,401	\$3,068,419	\$3,692,842	\$7,729,021	\$16,000,387
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102606	CDWWTP - Secondary Clarifiers Plant 1	\$0	\$0	\$0	\$0	\$0	\$0	\$4,942,022	\$4,942,022
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102607	CDWWTP - Secondary Clarifiers Plant 2	\$213,462	\$20,031	\$1,092,835	\$1,381,121	\$1,422,034	\$1,468,170	\$1,441,050	\$7,038,703
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102608	CDWWTP - RS Pump Stations Plant 1	\$0	\$0	\$0	\$0	\$0	\$0	\$9,485,169	\$9,485,169
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102609	CDWWTP - RS Pump Stations Plant 2	\$421,791	\$39,582	\$2,159,380	\$2,729,013	\$2,809,854	\$2,901,017	\$2,847,433	\$13,908,070
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102610	CDWWTP - Effluent Pump Station	\$0	\$0	\$552,904	\$113,850	\$2,858,850	\$6,424,076	\$0	\$9,949,680
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102611	CDWWTP - Sludge Thickeners Plant 1	\$0	\$0	\$547,003	\$187,101	\$2,461	\$6,587,250	\$3,862,044	\$11,185,859

TABLE 4 - WASTEWATER SYSTEM MYCIP 2014 - 2020

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	FUTURE	TOTAL
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102612	CDWWTP - Sludge Thickeners Plant 2	\$77,781	\$2,744,055	\$5,809,413	\$377,948	\$0	\$0	\$0	\$9,009,197
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102613	CDWWTP - Digesters Plant 1	\$0	\$0	\$0	\$0	\$0	\$1,210,905	\$59,736,581	\$60,947,486
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102614	CDWWTP - Digesters Plant 2	\$353,485	\$8,491,889	\$18,271,561	\$20,454,393	\$19,386,102	\$19,538,044	\$36,590,122	\$123,085,596
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102615	CDWWTP - Dewatering Building	\$0	\$1,394,874	\$3,848,893	\$1,304,559	\$7,304,709	\$46,004,393	\$40,359,438	\$100,216,866
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102616	CDWWTP - Chlorination Facilities	\$647,117	\$937,591	\$14,681,494	\$0	\$0	\$0	\$0	\$16,266,202
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102617	CDWWTP - Odor Control Systems	\$228,849	\$4,996,754	\$13,904,379	\$0	\$0	\$0	\$0	\$19,129,982
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102618	CDWWTP - Co-Gen Facility	\$693,068	\$817,376	\$2,073,323	\$17,362,566	\$4,553,121	\$0	\$0	\$25,499,454
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102619	CDWWTP - Septage Unloading	\$0	\$0	\$0	\$0	\$1,552,414	\$395,430	\$27,209,582	\$29,157,426
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102620	CDWWTP - Pump Station 1	\$0	\$0	\$723,538	\$65,777	\$9,826,342	\$984,550	\$0	\$11,600,207
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102621	CDWWTP - Pump Station 2	\$30,499	\$4,575,520	\$436,669	\$0	\$0	\$0	\$0	\$5,042,688
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102622	CDWWTP - O2 Plant Process Controls Phase 2	\$2,651	\$267,462	\$183,329	\$0	\$0	\$0	\$0	\$453,442
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102623	CDWWTP - Gas Monitoring	\$20,580	\$2,308	\$312,438	\$0	\$0	\$0	\$0	\$335,326
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102624	CDWWTP -Ventilation Improvements	\$0	\$0	\$0	\$0	\$0	\$148,689	\$2,596,630	\$2,745,319
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102625	CDWWTP - Rehabilitation of Walkways and Stairways	\$160,101	\$165,748	\$170,658	\$176,195	\$181,911	\$188,329	\$1,495,497	\$2,538,439
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102626	CDWWTP - Oxygen Production	\$185,773	\$649,425	\$105,077	\$9,091,833	\$13,304,326	\$3,218,661	\$0	\$26,555,095
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$1,000,000	\$17,062,357	\$9,103,299	\$3,513,971	\$0	\$0	\$0	\$30,679,627
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102701	NDWWTP - Primary Clarifiers and Odor Control	\$0	\$2,615,010	\$494,859	\$4,837,820	\$15,192,451	\$15,728,329	\$8,873,561	\$47,742,030
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102702	NDWWTP - Oxygenation Trains	\$0	\$0	\$0	\$0	\$1,273,207	\$467,224	\$25,181,924	\$26,922,355
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102703	NDWWTP - Oxygen Production	\$0	\$0	\$0	\$0	\$0	\$253,061	\$6,914,496	\$7,167,557
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102704	NDWWTP - Secondary Clarifiers	\$0	\$0	\$0	\$0	\$2,699,773	\$1,956,162	\$77,354,780	\$82,010,715
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102705	NDWWTP - Disinfection	\$153,624	\$5,812,458	\$8,754,950	\$0	\$0	\$0	\$0	\$14,721,032
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102706	NDWWTP - Effluent Disposal	\$500,000	\$1,020,000	\$4,923,073	\$7,714,152	\$7,387,621	\$6,025,812	\$0	\$27,570,658
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102707	NDWWTP - Plant Wide Electrical	\$275,335	\$285,047	\$286,858	\$89,947	\$3,258,687	\$4,867,094	\$9,603,958	\$18,666,926
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102708	NDWWTP - Flood Mitigation	\$90,611	\$10,989	\$4,043,325	\$0	\$0	\$0	\$0	\$4,144,925
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102709	NDWWTP - Yard Piping Replacement	\$0	\$235,015	\$79,422	\$1,903	\$1,370,281	\$1,454,480	\$1,772,907	\$4,914,008
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102710	NDWWTP - SCADA RTU Upgrades	\$397,490	\$0	\$0	\$0	\$0	\$0	\$0	\$397,490
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102800	Collection System I/I Repairs	\$2,259,553	\$8,550,888	\$8,804,192	\$9,089,835	\$9,384,746	\$9,715,771	\$75,073,936	\$122,878,921
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102802	Government Cut FM - Phase 3	\$14,912,668	\$56,713,964	\$37,396,880	\$0	\$0	\$0	\$0	\$109,023,512

TABLE 4 - WASTEWATER SYSTEM MYCIP 2014 - 2020

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	FUTURE	TOTAL
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102803	North Dade 72 inch PCCP FM Rehabilitation	\$561,353	\$6,172,440	\$11,129,353	\$4,314,430	\$0	\$0	\$0	\$22,177,576
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102804	South Dade 54 inch PCCP FM Rehabilitation	\$151,556	\$5,008,625	\$10,603,713	\$1,739,641	\$0	\$0	\$0	\$17,503,535
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102805	Replacement of Tamiami Canal Aerial Crossing FMs at NW 37th Ave	\$325,751	\$0	\$0	\$0	\$0	\$0	\$0	\$325,751
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102806	Replacement of 18 inch DIP FM in Miami Lakes	\$15,885	\$1,118,680	\$1,050,477	\$0	\$0	\$0	\$0	\$2,185,042
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102807	Rehabilitation of 54 inch PCCP FM in the City of Miami	\$74,131	\$5,220,504	\$4,902,222	\$0	\$0	\$0	\$0	\$10,196,857
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102808	Replace Approximately 25 miles of AC force mains	\$1,555,545	\$209,664	\$15,579,138	\$16,445,027	\$16,401,682	\$384,206	\$0	\$50,575,262
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$306,508	\$2,524,534	\$14,636,167	\$4,968,008	\$0	\$0	\$0	\$22,435,217
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102900	DORAL BASIN - UPGRADE SEWAGE PS No. 418	\$553,556	\$2,770,830	\$8,924,491	\$9,214,037	\$427,485	\$0	\$0	\$21,890,399
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102901	Upgrade of PS#0691	\$179,683	\$313,790	\$2,231,121	\$2,303,508	\$775,372	\$0	\$0	\$5,803,474
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102902	Upgrade of PS#0692	\$179,683	\$313,790	\$2,231,121	\$2,303,508	\$775,372	\$0	\$0	\$5,803,474
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102903	Replacement of Switchgear PS#0414	\$15,909	\$220,613	\$716,693	\$448,021	\$0	\$0	\$0	\$1,401,236
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102904	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	\$113,745	\$251,032	\$1,784,899	\$1,842,808	\$620,298	\$0	\$0	\$4,612,782
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102905	Replacement of Switchgear PS#0416	\$45,910	\$220,613	\$716,693	\$448,021	\$0	\$0	\$0	\$1,431,237
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102906	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	\$92,495	\$167,354	\$1,189,934	\$1,228,539	\$413,532	\$0	\$0	\$3,091,854
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102907	Replacement of Electrical and Mechanical Equipment in PS#0107	\$153,120	\$209,193	\$1,487,414	\$1,535,671	\$516,914	\$0	\$0	\$3,902,312
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102908	Replacement of Plumbing and Electrical Equipment at PS#0301	\$48,793	\$676,547	\$2,197,858	\$1,373,932	\$0	\$0	\$0	\$4,297,130
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102909	Upgrade of PS#0488	\$31,822	\$441,227	\$1,433,387	\$896,044	\$0	\$0	\$0	\$2,802,480
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102910	Installation of 60 inch FM from Kendall Dr to PS#0536	\$163,645	\$882,453	\$2,866,769	\$1,792,086	\$0	\$0	\$0	\$5,704,953
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102911	Replacement of Switchgear at PS#0187	\$88,187	\$529,471	\$1,720,061	\$1,075,251	\$0	\$0	\$0	\$3,412,970
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102912	Refurbish Emergency Generators and Controls at Regional Pump Stations	\$62,763	\$2,848,193	\$0	\$0	\$0	\$0	\$0	\$2,910,956
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102914	Upgrade of PS #0065, 0201, 0334, 0374, 0607	\$620,567	\$4,890,128	\$0	\$0	\$0	\$0	\$0	\$5,510,695
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102915	Upgrade of PS #00198, 0437, 0466, 0680	\$272,549	\$2,391,081	\$1,247,894	\$0	\$0	\$0	\$0	\$3,911,524
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$0	\$390,320	\$3,414,298	\$1,782,444	\$0	\$0	\$0	\$5,587,062
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102917	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	\$0	\$0	\$553,618	\$4,832,514	\$2,528,176	\$0	\$0	\$7,914,308
1046	SEWER PUMP STATION SYSTEMS- CONSENT DECREE PROJECTS	102918	SCADA RTU Upgrades	\$3,085,386	\$3,964,516	\$0	\$0	\$0	\$0	\$0	\$7,049,902

TABLE 4 - WASTEWATER SYSTEM MYCIP 2014 - 2020

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	FUTURE	TOTAL
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103000	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY AND FORCE MAINS	\$0	\$11,801,562	\$12,125,292	\$34,442,572	\$55,874,653	\$51,591,048	\$58,377,630	\$224,212,757
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103001	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP STATIONS	\$0	\$2,599,591	\$2,670,901	\$7,586,840	\$12,307,794	\$11,364,223	\$12,859,137	\$49,388,486
TOTAL				\$186,480,032	\$413,689,205	\$635,863,407	\$594,512,689	\$698,651,923	\$862,696,573	\$5,555,729,511	\$8,947,623,340