Memorandum

MIAMI-DADE COUNTY

Date:	April 9, 2014
To:	Honorable Chairwoman Rebeca Sosa and Members, Board of County Commissioners
From:	Carlos A. Gimenez Mayor
Subject:	Monthly Status Report on Miami-Dade Water and Sewer Department's Infrastructure Projects

ICIC
Agenda Item No. 7A

At the November 15, 2013 Board of County Commissioners meeting, Chairwoman Sosa issued a directive requesting that the Miami-Dade Water and Sewer Department (WASD) prepare and submit monthly reports on the status of its water and sewer infrastructure projects and the project expenditures by funding source. These reports are now placed on the Infrastructure and Capital Improvements Committee (ICIC) agenda each month. In addition, at the March 11, 2014 ICIC Committee meeting, Commissioner Zapata requested a monthly status report of the County's Consent Decree capital projects. As such, WASD prepared the attached reports 1) Exhibit A shows all project related procurement activity as of March 24, 2014, 2) Exhibit B lists water and sewer infrastructure project expenditures by funding source, and 3) Exhibit C provides an update on the County's Consent Decree capital projects.

Exhibit A is prepared in the format of a matrix. It contains information on WASD's projects from the first phase of the County's procurement process to the time the project is sent to the Board of County Commissioners as a contract award recommendation for approval. It is placed on a committee agenda each month in addition to being posted on the County's website at http://www.miamidade.gov/water/. Furthermore, prior to advertising a project, the project solicitations are posted on the Internal Services Department's webpage at http://www.miamidade.gov/procurement/solicitations.asp and on the Small Business Development Division's webpage at http://www.miamidade.gov/business/business-certification-programs-CBE.asp#1 for industry review and comment for a minimum of two (2) weeks.

Exhibit B lists water and sewer infrastructure project expenditures by funding source (i.e. Bonds, Plant Expansion, Renewal and Replacement). The expenditures listed are not current; they are 30 days in arrears as reported by WASD's financial system.

Exhibit C provides information related to the County's Consent Decree capital projects in terms of a) project estimated costs and actual costs, b) project projected start date and actual start date, and c) project actual completion date and regulatory completion date.

Alina T. Hudak
Deputy Mayor

Water & Sewer Infrastructure Projects in Procurement

	ISD Project No. & Project Description & Commission Districts	Contract Amount (000's) & OMB Project No.	ISD Review CBE Goal (Community Based Enterprise) CSBE Goal (Community Small Business Enterprise)	Advertisement (Start Date) Cone of Silence Begins	Industry Pre-Submittal Conference (Project Briefing)	First Tier/Step 1 Selection	Second Tier/ Step 2 Selection Oral Presentation	BCC Committee Date	BCC Meeting Date	Firms Awarded, Status and Comments * Projects Under the Cone of Silence (COS)
1	E12-WASD-03 *Various Commission Districts* Program Management Consultant and related services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols	$2.2 million 967190 Water/Pipes and Infrastructure Projects	Review Item sent 9/18/13 Received 10/19/13 25% CBE	3/29/2013	4/4/2013	9/24/2013	10/23/2013 Committee reconvening 12/4/2013	Tentative April	Tentative May	COS Pending Contract Award Recommendation with Lockwood Andrews & Newnam, Inc.

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Water & Sewer Infrastructure Projects in Procurement

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2	E13-WASD-03 *Various Commission Districts* Design Services for the Implementation of Pump Station Improvement Program	Five (5) Agreements $3.3 million Each 9651071 Pump Station Improvement Program	Review Item sent 8/26/13 Received 9/13/13 40% CBE each	1/17/2014	1/28/2014	TBD	TBD	TBD	TBD	COS 1/17/2014 Solicitation advertised 2/24/2014 Proposal submittal due date Pending Competitive Selection Committee approval
3	E13-WASD-01-R *Various Commission Districts* **(Consent Decree Project)** Program and Construction Management Services related to the Wastewater Systems Priority Projects	$91 million	Review Item sent 5/20/13 Received 5/20/13 28% CBE	6/6/2013	6/12/2013	8/14/2013	8/28/2013	TBD	TBD	COS 2/4/2014 Concluded negotiations with AECOM Technical Services, Inc. Pending ISD responsibility review and the Inspector General Opinion

Water & Sewer Infrastructure Projects in Procurement

	ISD Project No. & Project Description & Commission Districts	Contract Amount (000's) & OMB Project No.	ISD Review CBE Goal (Community Based Enterprise) CSBE Goal (Community Small Business Enterprise)	Advertisement (Start Date) Cone of Silence Begins	Industry Pre-Submittal Conference (Project Briefing)	First Tier/Step 1 Selection	Second Tier/ Step 2 Selection Oral Presentation	BCC Committee Date	BCC Meeting Date	Firms Awarded, Status and Comments * Projects Under the Cone of Silence (COS)
4	E13-WASD-04 *Various Commission Districts* **(Consent Decree Project)** Design Services for Wastewater Collection & Transmission System related to the Consent Decree Projects	$40 million 968150 Wastewater Collection Transmission Lines	Review Item sent 10/1/13 received 10/24/13 30% CBE	2/12/2014	TBD	TBD	TBD	TBD	TBD	COS 2/12/2014 Solicitation Advertised Upon BCC awarding E13-WASD-01R, an addendum will be issued stating the proposal due date.
5	E13-WASD-05 *Various Commission Districts* **(Consent Decree Project)** Design Services for Wastewater Treatment Plant related to the Consent Decree Projects	$60 million 964120 Wastewater Treatment Plants	Review Item sent 11/5/2013 Received 11/18/13 30% CBE	2/12/2014	TBD	TBD	TBD	TBD	TBD	COS 2/12/2014 Solicitation Advertised Upon BCC awarding E13-WASD-01R, an addendum will be issued stating the proposal due date.
6	E13-WASD-06 *Various Commission Districts* **(Consent Decree Project)** Engineering Services for Capacity, Management, Operations & Maintenance	$15 million Operating Revenue	Review Item sent 10/1/13 Received 11/7/13 32% CBE	2/12/2014	TBD	TBD	TBD	TBD	TBD	COS 2/12/2014 Solicitation Advertised Upon BCC awarding E13-WASD-01R, an addendum will be issued stating the proposal due date.

Water & Sewer Infrastructure Projects in Procurement

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	Program related to the Consent Decree Projects									
7	E13-WASD-07 *Various Commission Districts* **(Consent Decree Project)** Geographic Information Systems Utility Backlog	$9.9 million Operating Revenues	Review Item sent 10/1/13 received 10/24/13 20% CBE	12/9/2013	12/18/2013	TBD	TBD	TBD	TBD	COS Extended proposal submittal deadline of 1/15/2014 to 2/4/2014 as only 2 proposals were received. Pending Competitive Selection Committee approval
8	DB14-WASD-01 Commission Districts 2 **(Consent Decree Project)** Design-Build Services for Replacement/ Rehabilitation of 72-inch Sanitary Sewage Force Main along NW/NE 159th Street Between Northwest 17th Avenue and N.E.	$22 million 968750 Wastewater Pipes and Infrastructure Projects	Draft Review item sent 2/18/14 Final item sent 3/11/14	TBD	TBD	TBD	TBD	TBD	TBD	Pending CBE/CSBE goal recommendation approval

Water & Sewer Infrastructure Projects in Procurement

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	10th Avenue for the 72-inch Force Main									
9	DB13-WASD-03 *Commission District 5* Design-Build Services for the Replacement of Water Mains and Service Conversions in the Shenandoah Area in the City of Miami Phase A	$11.1 million 9653311 Water Distribution System Extension & Enhancement	Review Item Sent 11/20/13 Received 1/14/14 26% CBE 20% CSBE 12.40 CWP	TBD	TBD	TBD	TBD	TBD	TBD	Pending Advertisement
10	DB13-WASD-04 *Commission District 5* Design-Build Services for the Replacement of Water Mains and Service Conversions in the Shenandoah Area in the City of Miami Phase B	$11.4 million 9653311 Water Distribution System Extension & Enhancement	Review Item Sent 11/20/13 Received 1/14/14 26% CBE 20% CSBE 12.40 CWP	TBD	TBD	TBD	TBD	TBD	TBD	Pending Solicitation

Water & Sewer Infrastructure Projects in Procurement

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11	*Commission District 3* Engineering Design Services for 48-inch Sewage Force Main extension to re-direct Flow to Discharge into existing 72-inch Gravity Interceptor Pipeline to an existing 48-inch Discharge Force Main from Pump Station 2 along Northeast/North-west 8 Street	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Documents under development
12	*Commission District 8* Design-Build Operate-Finance for the South Miami Heights Water Treatment Plant Program	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Documents under development

Water & Sewer Infrastructure Projects in Procurement

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13	*Commission District 12* Public Private Partnership for the Ground Water Under Direct Influence Water Treatment Plant based on existing 50% Basis of Design Report	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Documents under development
14	E13-WASD-11 *Various Commission Districts* Owner's Representative for Engineering Services for Ocean Outfall Legislation	$140 million 962670 Outfall Legislation	Review item sent 3/3/2014	TBD	TBD	TBD	TBD	TBD	TBD	Pending CBE goal recommendation approval
15	E13-WASD-10 *Various Commission Districts* Engineering services for Design of Upgrades for Water Distribution & Transmission and Sanitary Sewage Collection & Trans. Systems	Two (2) agreements $5.5 million each Various Projects	Review Item sent 1/27/2014 Received 2/19/2014 25%	TBD	TBD	TBD	TBD	TBD	TBD	Pending Request to Advertise approval

Water & Sewer Infrastructure Projects in Procurement

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16	E14-WASD-01 Various Commission Districts Engineering and Geological Services Water, Wastewater and Reclaimed Water Planning Serv.	$5 million	Review Item sent DRAFT 3/21/2014	TBD	TBD	TBD	TBD	TBD	TBD	Pending CBE goal recommendation approval

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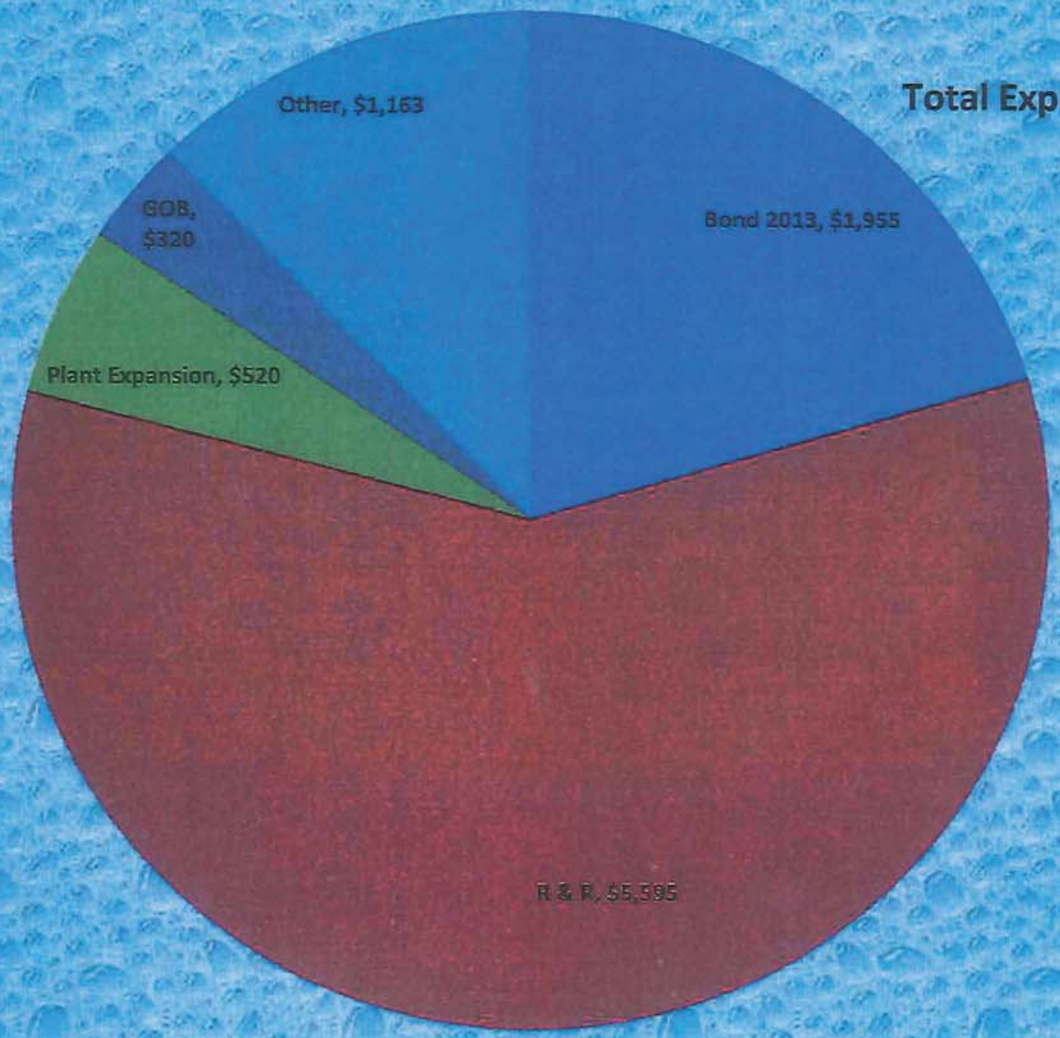
Exhibit B

February Expenditures by Fund Data as of 3/11/14 (000's)



Total Expenditures: $9,553

Exhibit B

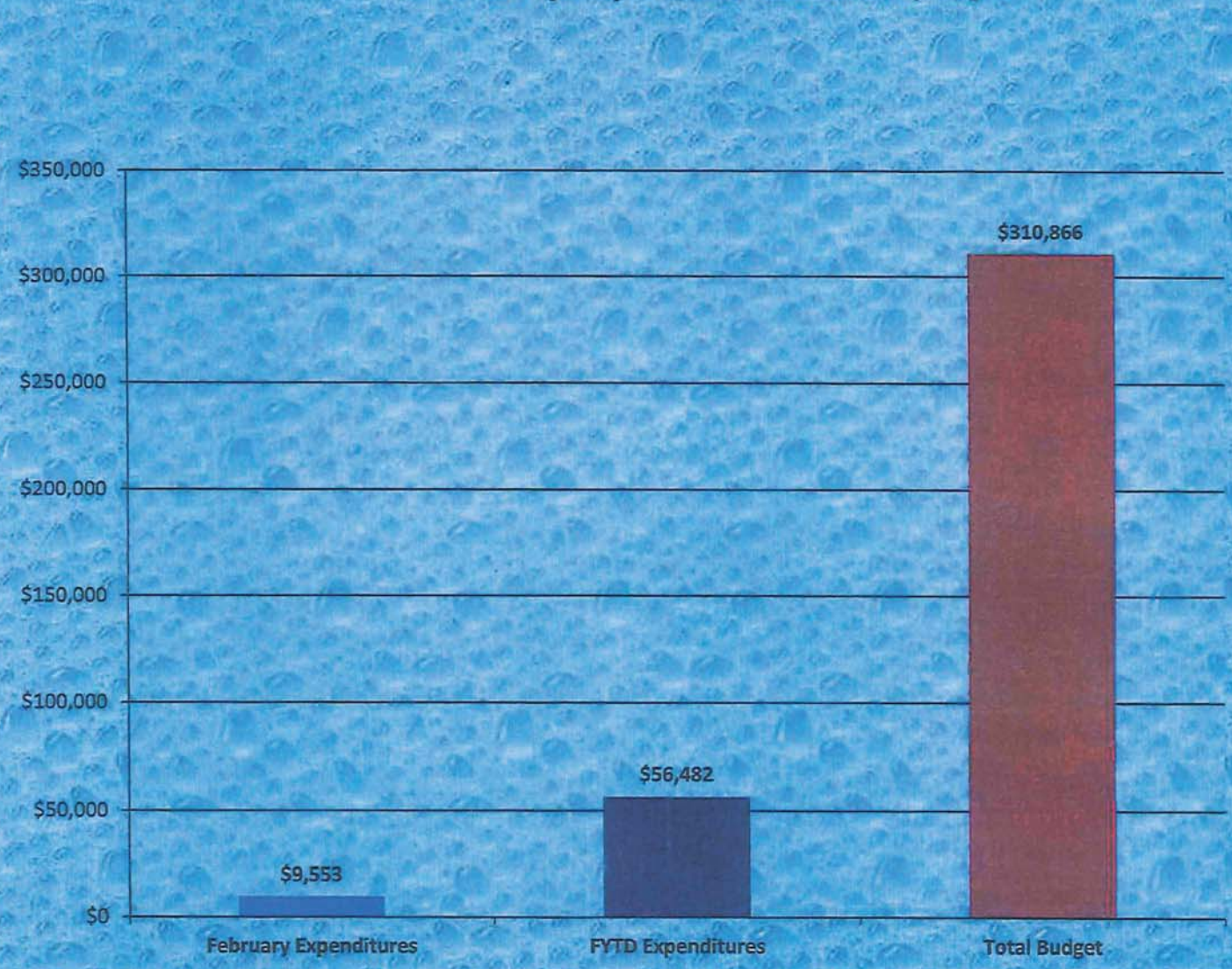

Fiscal Year 13-14 FYTD vs. Budget (000's)
February Expenditures as of 3/11/14
$350,000
$300,000
$250,000
$200,000
$150,000
$100,000
$50,000
$0
$9,553
$56,482
$310,866
February Expenditures
FYTD Expenditures
Total Budget

EXHIBIT C

Status of Consent Decree Projects for April 2014

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Project Cost Estimate, App. D	Actual Costs	Projected Start Date	Actual Start Date	Actual Completion Date	Regulatory Completion Date	Remarks
South District WWTP	1.1	Headworks	728,343		10/1/2015			2/23/2020	
	1.2	Oxygen Production	7,549,529		1/1/2015			9/13/2019	
	1.3	Oxygenation Trains	18,121,319		11/1/2016			11/16/2025	
	1.4	Chlorine Building	2,520,707		12/1/2018			6/1/2022	
	1.5	Effluent Pump Station	27,010,183		9/1/2016	2/28/2014		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274		1/1/2018			9/24/2022	
	1.7	Digesters and Control Buildings	48,532,291		11/1/2013			10/28/2021	Working on the procurement of a design consultant. Completion date can be met at this time.
	1.8	Dewatering Facility	16,608,534		7/1/2014			11/28/2019	
	1.9	FOG Removal Facility	928,077		11/1/2013			12/7/2017	Working on the procurement of a design consultant. Completion date can be met at this time.
	1.10	Odor Control	8,130,067		12/1/2018			4/25/2023	
	1.11	General Electrical	12,165,144		11/1/2016			3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601		8/1/2016			6/18/2021	
		Subtotal:	**154,476,068**						
Central District WWTP	2.1	Electrical Improvements	28,392,361		1/1/2017			3/6/2020	
	2.2	Building improvements	5,673,576		5/1/2014			9/6/2017	
	2.3	Headworks Plant 1	20,637,859		10/1/2013			10/22/2017	Working on the procurement of a design consultant. Completion date can be met at this time.
	2.4	Headworks Plant 2	20,891,336		5/1/2014			5/22/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
	2.5	Oxygenation Trains Plant 1	6,882,836		6/1/2014			4/15/2018	
	2.6	Oxygenation Trains Plant 2	15,957,546		6/1/2016			4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245		4/1/2021			8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220		6/1/2016			9/12/2023	
	2.9	RS Pump Stations Plant 1	9,441,453		4/1/2021			8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201		6/1/2016			9/12/2023	
	2.11	Effluent Pump Station	9,926,072		1/1/2017			5/9/2020	
	2.12	Sludge Thickeners Plant 1	11,156,240		4/1/2017			4/23/2021	
	2.13	Sludge Thickeners Plant 2	9,552,318		10/1/2015			10/23/2019	
	2.14	Digesters Plant 1	60,684,546		5/1/2020			1/19/2026	
	2.15	Digesters Plant 2	122,761,868		10/1/2013			8/19/2022	Working on the procurement of a design consultant. Completion date can be met at this time.
	2.16	Dewatering Building	99,952,854		6/1/2016			8/7/2021	
	2.17	Chlorination Facilities	16,713,956		10/1/2013	10/1/2013		9/29/2017	
	2.18	Odor Control Systems	20,208,323		10/1/2016			7/9/2020	
	2.19	Co-Gen Facility	30,311,204		5/1/2014			3/31/2019	
	2.20	Septage Unloading	29,061,616		11/1/2018			6/3/2022	
	2.21	Pump Station 1	11,575,513		10/1/2016			10/23/2019	
	2.22	Pump Station 2	5,371,361		10/1/2014			10/22/2017	
	2.23	O2 Plant Process Controls Phase 2	482,909		10/1/2013			3/9/2017	Working on the procurement of a vendor. Completion date can be met at this time.
	2.24	Gas Monitoring	334,913		1/1/2015			9/19/2017	
	2.25	Ventilation Improvements	2,766,973		1/1/2021			2/27/2025	
	2.26	Rehabilitation of Walkways and Stairways	2,685,405		10/1/2013	9/30/2013		9/27/2027	
	2.27	Oxygen Production	26,503,191		1/1/2015			12/30/2019	
	2.28	SCADA RTU Upgrades	396,000	173,948	10/1/2013	9/30/2013	2/10/2014	3/29/2014	
	2.29	High Strength Influent Impact Study	1,544,400		1/1/2013	2/12/2013		6/24/2014	
		Subtotal:	**596,338,296**						

EXHIBIT C

Status of Consent Decree Projects for April 2014

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Project Cost Estimate, App. D	Actual Costs	Projected Start Date	Actual Start Date	Actual Completion Date	Regulatory Completion Date	Remarks
North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875		1/1/2013	3/20/2013		4/7/2018	The "Notice to Proceed" was delayed.
	3.2	Primary Clarifiers and Odor Control	47,630,971		11/1/2015			4/18/2021	
	3.3	Oxygenation Trains	26,824,143		1/1/2019			1/17/2024	
	3.4	Oxygen Production	7,139,589		4/1/2020			1/12/2024	
	3.5	Secondary Clarifiers	81,645,502		12/1/2018			8/24/2027	
	3.6	Disinfection	18,721,749		2/1/2017			9/9/2020	Working on the procurement of a design consultant. Completion date can be met at this time.
	3.7	Effluent Disposal	27,500,829		12/1/2015			12/28/2021	
	3.8	Plant Wide Electrical	18,859,689		11/1/2013			8/20/2022	Working on the procurement of a design consultant. Completion date can be met at this time.
	3.9	Flood Mitigation	4,327,589		11/1/2013			8/13/2017	Working on the procurement of a design consultant. Completion date can be met at this time.
	3.10	Yard Piping Replacement	4,901,560		11/1/2015			12/4/2021	
	3.11	SCADA RTU Upgrades	1,200,320		10/1/2013	9/30/2013		3/24/2015	
		Subtotal:	**270,529,817**						
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762		10/1/2013	10/1/2013		9/27/2027	
	4.2	Government Cut FM - Phase 1& 2 (construction ongoing)	35,187,000	94,315,592	10/1/2012	3/23/2009	9/30/2013	9/30/2013	Completed.
	4.3	Government Cut FM - Phase 3	117,376,121		10/1/2012	9/28/2012		4/8/2017	
	4.4	North Dade 72 inch PCCP FM Rehabilitation	23,764,116		10/1/2013	1/19/2012		3/5/2018	
	4.5	South Dade 54 inch PCCP FM Rehabilitation	18,570,705		10/1/2013			11/27/2017	Working on the procurement of a design consultant. Completion date can be met at this time.
	4.6	Replacement of Tamiami Canal Aerial Crossing FM's at NW 37th Ave	727,443		10/1/2013	4/1/2012		10/29/2016	
	4.7	Replacement of 18 inch DIP FM in Miami Lakes	2,323,333		11/1/2013	4/1/2012		4/9/2017	
	4.8	Rehabilitation of 54 inch PCCP FM in the City of Miami	10,842,213		11/1/2013			4/9/2017	Working on the procurement of a design consultant. Completion date can be met at this time.
	4.9	Replace Approximately 30 miles of AC FM Transmission System	52,708,893		11/1/2013	8/28/2012		10/8/2019	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622		11/1/2013			1/28/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
		Subtotal:	**423,707,208**						

EXHIBIT C

Status of Consent Decree Projects for April 2014

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Project Cost Estimate, App. D	Actual Costs	Projected Start Date	Actual Start Date	Actual Completion Date	Regulatory Completion Date	Remarks
Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869		11/1/2013	10/1/2012		11/24/2018	
	5.2	Upgrade of PS#0691	6,007,492		11/1/2013			1/27/2019	Coordinating the best alternative solution with the City of Homestead for this Pump Station based on flow projections and other upgrades proposed by the City. Improvements will be completed on time.
	5.3	Upgrade of PS#0692	6,007,492		11/1/2013			1/27/2019	Coordinating the best alternative solution with the City of Homestead for this Pump Station based on flow projections and other upgrades proposed by the City. Improvements will be completed on time.
	5.4	Replacement of Switchgear PS#0414	1,481,438		11/1/2013			5/9/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	4,805,995		11/1/2013			1/27/2019	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.6	Replacement of Switchgear PS#0416	1,481,438		11/1/2013			5/9/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999		11/1/2013			1/27/2019	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	4,004,992		11/1/2013			1/27/2019	Working on the procurement of the design consultant. Completion date can be met at this time.
	5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	4,543,072		11/1/2013			5/9/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.10	Upgrade of PS#0488	2,962,877		11/1/2013			5/9/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.11	Installation of 60 inch FM from Kendall Dr to PS#0536	5,925,746		11/1/2013			5/9/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.12	Replacement of Switchgear at PS#0187	3,555,449		11/1/2013			5/9/2018	Working on the procurement of a design consultant. Completion date can be met at this time.
	5.13	Refurbish Emergency Generators and Controls at Regional Pump stations	3,054,141		11/1/2013			7/20/2016	Working on the procurement of a vendor. Completion date can be met at this time.
	5.14	Upgrade of PS #0086, 0492	2,127,389	1,187,770	10/8/2012	5/12/2012	12/31/2013	12/31/2013	Completed.
	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671		1/1/2014	1/1/2013		12/31/2015	
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369		1/2/2015			12/31/2016	
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342		1/2/2016			12/31/2017	
	5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	7,526,751		1/1/2017			12/31/2018	
	5.19	SCADA RTU Upgrades	10,003,462		10/1/2013	10/1/2013		3/18/2016	
		Subtotal:	**105,582,981**						
		Total Project Expenses:	**1,550,634,370**					**9/27/2027**	