

Memorandum



Date: October 14, 2014

To: Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

ICIC
Agenda Item No. 7A

From: Carlos A. Gimenez
Mayor

Subject: Monthly Status Report on Miami-Dade Water and Sewer Department's Infrastructure Projects- September 2014

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 September 8, 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.

Jack Osterholt
Deputy Mayor

Exhibit A

Water & Sewer Infrastructure Projects in Procurement –September 2014

	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	E13-WASD-04 <i>Various Commission Districts (Consent Decree Project)</i> 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	6/2/2014	9/2/2014	TBD	N/A	N/A	COS 7/15/2015 Competitive Selection Committee approved Pending Second Tier meeting
2	E13-WASD-05 <i>Various Commission Districts (Consent Decree Project)</i> 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	6/2/2014	7/31/2014	8/11/2014	N/A	N/A	COS 8/18/2014 Received Mayor's approval to negotiate with highest ranking firm: MWH Americas, Inc.
3	E13-WASD-06 <i>Various Commission Districts (Consent Decree Project)</i> Engineering Services for Capacity,	\$15 million Operating Revenue	Review Item sent 10/1/13 Received 11/7/13 32% CBE	2/12/2014	6/2/2014	7/30/2014	N/A	N/A	N/A	COS Pending Mayor's approval to negotiate with highest ranking firm: Woolpert , Inc.

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Water & Sewer Infrastructure Projects in Procurement –September 2014

	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)
	Management, Operations & Maintenance Program related to the Consent Decree Projects									
4	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. 10th Avenue for the 72-inch Force Main	\$22 million 968750 Wastewater Pipes and Infrastructure Projects	Draft Review item sent 2/18/14 Final item sent 3/11/14 Received 4/3/2014 15.50% CSBE 30% CBE 10% CWP	5/2/2014	5/9/2014	7/22/2014	9/25/2014	TBD	TBD	COS 9/11/2014 Step 2 submittal deadline 9/25/2014 ☺ Second Tier meeting Ric-Man Construction Florida, Inc. Lanzo Construction Co., FL Insituform Technologies, LLC

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Water & Sewer Infrastructure Projects in Procurement –September 2014

	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)
5	DB13-WASD-03 <i>Commission District 5</i> 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	4/11/2014	4/17/2014	7/23/2014	10/15/2014	TBD	TBD	COS 8/6/2014 Project Site Visit with short-listed firms: Layne Heavy Civil, Inc. Man-Con Incorporated Ric-Man International, Inc. Ric-Man Construction Florida, Inc. 9/12/2014 Step 2 submittal deadline 10/15/2014 Second Tier meeting
6	DB13-WASD-04 <i>Commission District 5</i> Design-Build Services for the Replacement of Water Mains and Service Conversions in	\$11.4 million 9653311 Water Distribution System Extension & Enhancement	Review Item Sent 11/20/13 Received 1/14/14 26% CBE 20% CSBE	4/11/2014	4/17/2014	7/23/2014	10/21/2014	TBD	TBD	COS 8/13/2014 Project Site Visit with short-listed firms: Metro Equipment Service

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Water & Sewer Infrastructure Projects in Procurement –September 2014

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	the Shenandoah Area in the City of Miami Phase B		12.40 CWP							Layne Heavy Civil, Inc. Ric-Man International, Inc. Lanzo Construction Co., Inc. 9/19/2014 Step 2 submit deadline 10/21/2014 Second Tier meeting
7	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 Received 3/26/2014 28% CBE	4/24/2014	6/2/2014	7/29/2014	8/14/2014	N/A	N/A	COS 9/5/2014 First negotiations Meeting 9/10/2014 Second negotiations meeting with: CH2M Hill, Inc.

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Water & Sewer Infrastructure Projects in Procurement –September 2014

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8	E13-WASD-10 <i>Various Commission Districts</i> 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%	4/15/2014	4/22/2014	7/18/2014	TBD	N/A	NA	COS 8/6/2014 Mayor Approved authorization to negotiate with the two highest ranking firms: King Engineering Associates, Inc. A & P Consulting Transportation Engineers, Corp.
9	E14-WASD-01 <i>Various Commission Districts</i> Engineering and Geological Services Water, Wastewater and Reclaimed Water Planning Svcs.	\$7.7 million Operating Revenues	Review Item sent 3/25/2014 Received 4/16/2014 Revised item 6/4/2014 Received 6/11/2014 30% CBE	7/30/2014	8/11/2014	TBD	TBD	TBD	TBD	COS 9/5/2014 Proposal submittal deadline
10	E14-WASD-03 <i>Various Commission Districts</i> Professional engineering services relating to the operations and maintenance	\$10 million	Review Item sent 7/25/2014 Received Item 8/14/2014 32% CBE 1% SBE	TBD	TBD	TBD	TBD	TBD	TBD	Pending Request to Advertise approval

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Water & Sewer Infrastructure Projects in Procurement –September 2014

	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)
	of the Water and Sewer Department's water system									
11	S-869 Commission District 7 (Ocean Outfall Legislation Project) Central District Wastewater Treatment Plant - Industrial Waste Deep Injection Well System	\$19,887,887 9653421-Central District Upgrades - Wastewater Treatment Plant	CBE: N/A CSBE: No measure due to insufficient availability CWP: N/A	5/8/2014	5/21/2014	N/A	N/A	8/29/2014	TBD	COS 6/9/2014 2 Bids received. Pending contract award recommendation with the low bidder: Youngquist Brothers, Inc. 8/28/2014 Bid Protest hearing, the award recommendation was upheld
12	W-927 Commission District 10 Southwest Wellfield Middle Lagoon Removal of Calcium Carbonate	\$13,590,050 Water Operating Revenues	CBE: N/A CSBE 15.70%							Pending Request to Advertise approval

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PROJECTS TO BE ADVERTISED WITHIN 90 DAYS

13	DB14-WASD-02 <i>Commission District 3</i> 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	\$20.4 million	TBD	Documents under development						
14	DBOF14-WASD-01 <i>Commission District 8</i> Design-Build Operate-Finance for the South Miami Heights Water Treatment Plant Program	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Documents under development

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Water & Sewer Infrastructure Projects in Procurement –September 2014

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15	DB14-WASD-03 Design-Build Criteria Package for the Proposed 48-inch Diameter Water Transmission Main for Area "N"	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Documents under development

AWARDED CONTRACTS

16	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	4/11/2014	5/12/2014	7/8/ 2014	7/15/2014	7/15/2014 BCC approved Woolpert, Inc. R-674-14
17	E13-WASD-03 Various Commission Districts Design Services for the Implementation	Five (5) Agreements \$3.3 million Each 9651071 Pump Station	Review Item sent 8/26/13 Received 9/13/13 40% CBE each	1/17/2014	1/28/2014	4/21/2014	N/A	7/8/ 2014	7/15/2014	7/15/2014 BCC approved King Engineering Associates, Inc. R-677-14

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	of Pump Station Improvement Program	Improvement Program								Stantec Consulting Services, Inc. R-675-14 CES Consultants, Inc. R-676-14 A&P Consulting Transportation Engineers, Inc. R-673-14 Milian, Swain & Associates, Inc. R-672-14
18	E12-WASD-04 (Consent Decree Project) Construction Management Services for replacement of 54-inch Sanitary Sewage force main pipeline with a 60-inch sewage force main from Fisher Island to Central District Wastewater Treatment Plant	\$5.5 million	Review Item sent 10/5/13 Received 10/17/13 27% CBE	12/11/2012	12/18/2012	2/12/2013	N/A	11/12/13	12/03/13	12/3/2013 BCC approved Parsons Brinckerhoff, Inc. R-994-13

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19	DB12-WASD-01 (Consent Decree Project) Design-Build services for the replacement of the existing 54-inch sanitary sewage force main from the Central District Wastewater Treatment Plant to Fisher Island, under Norris Cut Channel	\$72,101,600 million	Review Item sent 1/17/13 Received 2/1/13 10.9% CSBE 22% CBE	2/26/2013	3/8/2013	4/17/2013	6/26/2013 reconvened 7/03/2013	12/10/13	12/17/13	12/17/2013 BCC approved Nicholson Construction Company R-1060-13
20	DB13-WASD-01 <i>Commission District 5</i> (Brickell Basin Project) Design-Build Services for Gravity Sewer Interceptors for Pump Station No. 3	\$12,107,000 million 9653371 Peak Flow Management Facilities	Review Item Sent 7/26/13 Received 7/31/13 17.5% CBE 11.2% CSBE	8/22/2013	8/30/2013	10/8/2013	12/11/2013	2/11/2014	2/19/2014 Waiver approved	2/19/2014 BCC approved Ric-Man Construction, Inc. R-174-14

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Water & Sewer Infrastructure Projects in Procurement –September 2014

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21	S-852 Commission District 5 (Brickell Basin Construction Project) Proposed Master Pump Station No. 3	\$21,976,500 million 9653371 Peak Flow Management Facilities	2.59% CSBE	6/27/2013	Pre-Bid Conference 7/16/2013	N/A	N/A	N/A	2/19/2014	2/19/2014 BCC approved Poole & Kent Company R-173-14
22	Expression of Interest (EOI) Public-Private Partnership	N/A	N/A	TBD	N/A	N/A	N/A	N/A	N/A	2/14/2014 31 responses received for EOI
23	E13-WASD-02-R Program and Construction Management Services for the Implementation of a Pump Station Improvement Program	\$17.6 million	Review Item sent 5/20/13 Received 5/20/13 29% CBE	6/6/2013	6/12/2013	10/22/2013	11/7/2013	12/10/13	12/17/13	12/17/2013 BCC approved Nova Consulting, Inc. R-1061-13
24	E12-WASD-03 <i>Various Commission Districts</i> Program Management Consultant and related services to establish a	\$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	4/ 9/2014	5/6/2014	5/6/2014 BCC approved Lockwood Andrews & Newnam, Inc. R-432-14

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	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									
25	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	N/A	5/20/2014	5/20/2014 BCC approved AECOM Technical Services, Inc. R-469-14

Exhibit B

**Fiscal Year 13-14 FYTD vs. Budget (000,s)
August Expenditures**

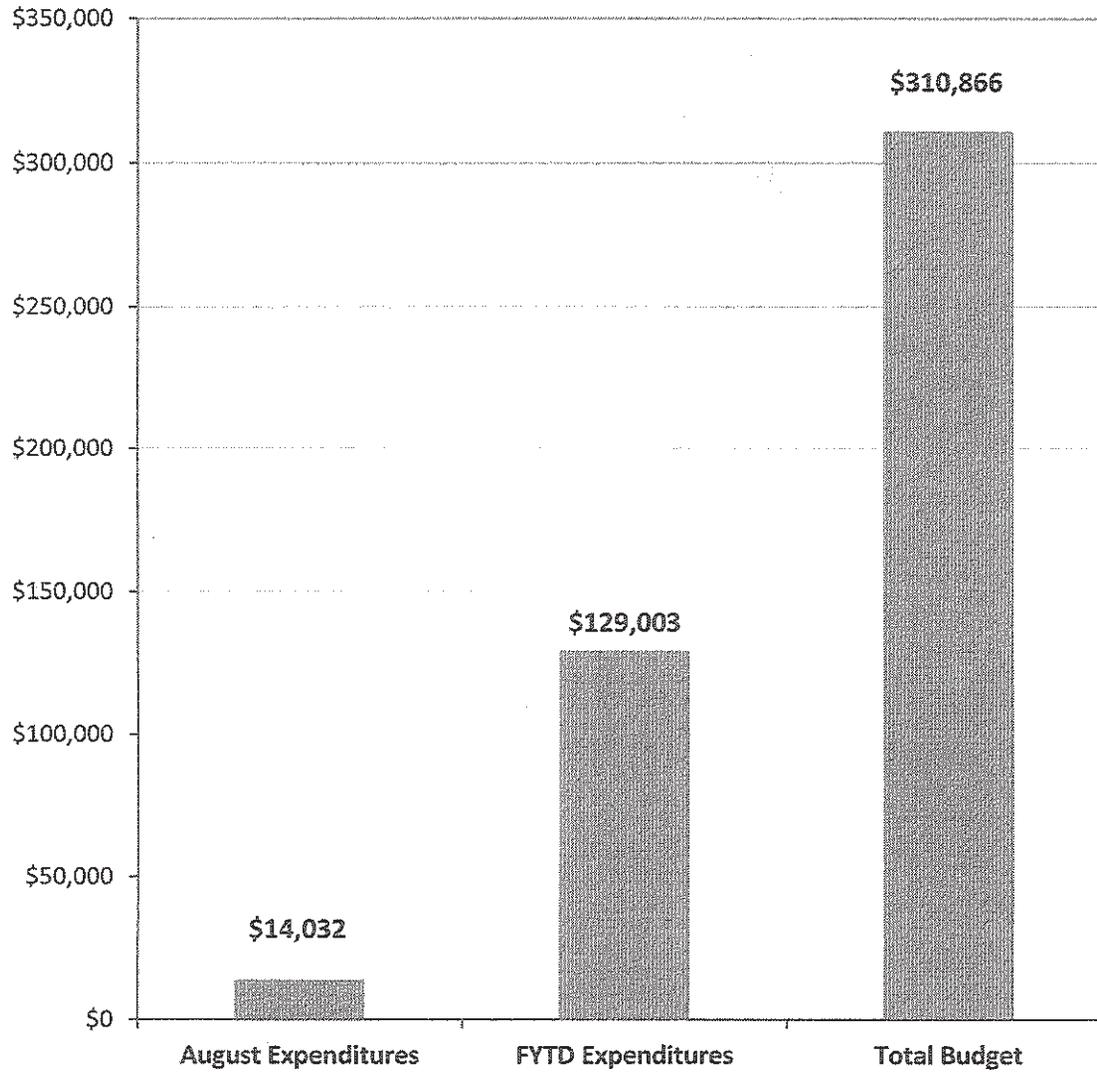


Exhibit B

August Expenditures by Fund Data
as of 9/5/14

Total Expenditures: \$14,031,752

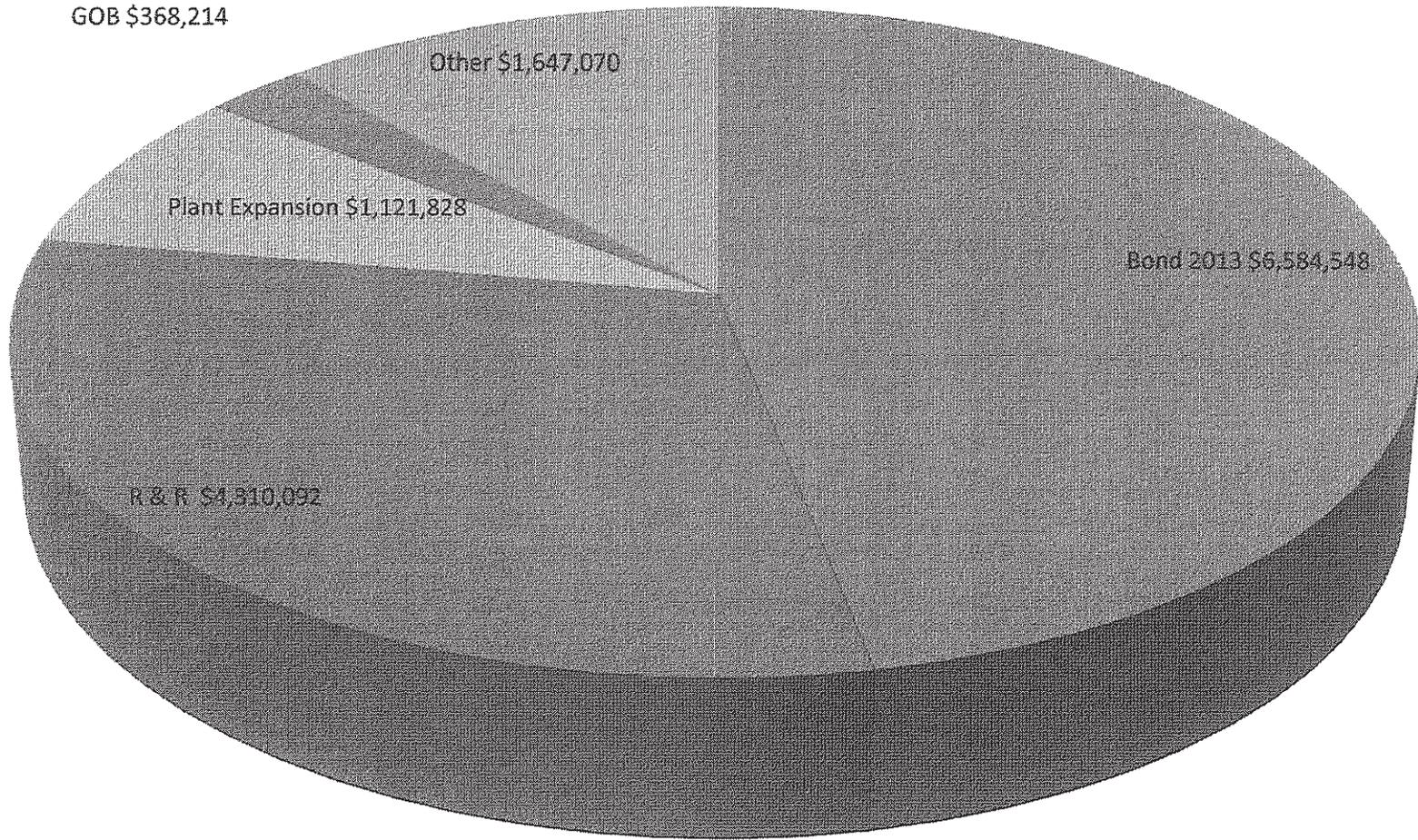


EXHIBIT C

Status of Consent Decree Projects for September 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	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	7/3/2014		9/24/2022	
	1.7	Digesters and Control Buildings	48,532,291		11/1/2013	7/3/2014		10/28/2021	Basis of Design Report to be prepared by R&R consultant. Completion date can be met at this time.
	1.8	Dewatering Facility	16,608,534		7/1/2014			11/28/2019	Working on the procurement of a design consultant. Completion date can be met at this time.
	1.9	FOG Removal Facility	928,077		11/1/2013	7/10/2014		12/7/2017	Basis of Design Report to be prepared by R&R 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	2.1	Electrical Improvements	28,392,361		1/1/2017			3/6/2020	
	2.2	Building improvements	5,673,576		5/1/2014	3/26/2014		9/6/2017	
	2.3	Headworks Plant 1	20,637,859		10/1/2013			10/22/2017	Task Authorization of Basis of Design Report to be prepared by R&R consultation is being processed. Completion date can be met at this time.
	2.4	Headworks Plant 2	20,891,336		5/1/2014			5/22/2018	Task Authorization of Basis of Design Report to be prepared by R&R consultation is being processed. 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	6/11/2014		8/19/2022	Basis of Design Report to be prepared by R&R 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	4/14/2014		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	Completed

EXHIBIT C

Status of Consent Decree Projects for September 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
	2.29	High Strength Influent Impact Study	1,544,400		1/1/2013	2/12/2013		6/24/2014	Completed
Subtotal:			596,338,296						

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Status of Consent Decree Projects for September 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	
	3.2	Primary Clarifiers and Odor Control	47,630,971		11/1/2015			4/18/2021	Task Authorization of Basis of Design Report to be prepared by R&R consultation is being processed. Completion date can be met at this time.
	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	Task Authorization of Basis of Design Report to be prepared by R&R consultation is being processed. Completion date can be met at this time.
	3.6	Disinfection	18,721,749		2/1/2017	4/4/2014		9/9/2020	Date changed based of Task Authorization issuance date.
	3.7	Effluent Disposal	27,500,829		12/1/2015	7/1/2014		12/28/2021	
	3.8	Plant Wide Electrical	18,859,689		11/1/2013	5/1/2014		8/20/2022	Task Authorization for Basis of Design report to be prepared by R&R consultant recently approved. Completion date can be met at this time.
	3.9	Flood Mitigation	4,327,589		11/1/2013	4/4/2014		8/13/2017	Date changed based of Task Authorization issuance date for R&R consultant BODR preparation. 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	This project started on 03/23/2009, at the time, this project was not a consent decree project. This project became a consent decree project on October 1, 2012 while the negotiations were taking place with the State and the Federal Government regarding the Consent Decree. Approximately \$59 million was spent between 03/23/2009 and 10/1/2012 for work related to the installation of the 60-inch sewer force main and the 20-inch water main. In addition, other expenses included extending the 60-inch sewer force main from the water shaft to South Pointe Park and to the Alton Road tie-in. After this project was added as a Consent Decree project in October 2012, only \$35 million was required to complete the project.
	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	8/5/2014		11/27/2017	
	4.6	Replacement of Tamiami Canal Aerial Crossing FM's at NW 37th Ave	727,443		10/1/2013	4/1/2012	8/11/2014	10/29/2016	Completed. Project in Close-out
	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.

EXHIBIT C

Status of Consent Decree Projects for September 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
	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 September 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	11/1/2013		1/27/2019	
	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	9/2/2014		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	