

Consent  
Decree  
Program

June  
2016  
UPDATE

# Cost Monitoring & Projections Narrative

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## Background

As part of the overall program level management services in implementing the Consent Decree (CD) Program, the Program Management/Construction Management (PMCM) Team is responsible for maintaining the Program Master Cost Report on a monthly basis, which is included herein.

The original Consent Decree issued in June 2013 included a preliminary budget of \$1,550,634,370 to implement the program and all associated projects. The CD PMCM was tasked with validating the scopes of each of the individual Consent Decree projects while in parallel analyzing the assumptions of the original baseline budget. Once this analysis was completed a full evaluation was performed on the program estimated budgets, including associated WASH overhead costs and markups, current material and equipment prices, project contingencies and escalation based on the then current program schedule. The result of this programmatic review resulted in an increase in the overall program costs from \$1.55 billion to \$2.35 billion, which was submitted to WASH in May 2015 and adopted as the Revision 1 budget to the Program.

In December 2015 the Program add-ons were re-examined and the following changes were made:

- For Projects of less than \$5M in construction cost, WASH Procurement requires an 9.4% add-on for stores overhead
- Some fees were eliminated after review by WASH Finance, i.e., legal fees (0.5% for direct costs) and DBED fees (0.44% of direct costs)
- Contingency was lowered from 15% to 7.5%
- Department overhead was recalculated to exclude contingency

As a result of these adjustments to the add-ons, the overall program cost was reduced from \$2.35 billion (REV1) to \$2.19 billion (REV1.1).

On January 14<sup>th</sup> 2016, the PMCM Team provided a revised cash flow projection to WASH based on the then current project estimates at completion (EAC). The outcome of the revision generated an increase in the overall program cost from \$2.19 billion (REV1.1) to \$2.29 billion (REV2.1 – Compliance).

## Escalation

Cost escalation is generally the changes in project direct and indirect costs over a certain time period. Escalation is similar to inflation; but more specific to project costs, which can be greatly impacted by local supply-demand imbalances of materials, equipment and labor. On the CD Program, the PMCM is using a rate of 3.2% to escalate costs from the reference date (date of the calculation) to the mid-point of an individual project construction schedule.

## Estimate at Completion (EAC)

On an ongoing basis, the project estimated costs are adjusted according to the following:

1. Projects become more defined and the engineer's opinion of probable construction cost (OPCC) is updated,
2. Planned costs become committed as contracts are awarded,
3. Purchase orders and task authorizations are issued,
4. Change orders are executed and actual costs are incurred.

This adjustment to the project cost is reflected in the cost report as the current Estimate at Completion (EAC). Other items, such as escalation changes due to schedule adjustments and project trends may also impact the EAC of a project. This month, the EAC was impacted primarily by the following items:

- Cost increases and decreases as design development progressed and new OPCCs were provided.
- Decrease in escalation cost due to specific project start dates moved to an earlier date.

## Budget / EAC Update

As of the end of June 2016 the Estimate at Completion (EAC) is projected to be \$2.101 billion which is \$95M under the budget calculated in Rev 1.1. Area 4 WCTS shows the greatest increase of \$36M while Area 2 CD-WWTP indicates the greatest decrease of \$87M

AREA	REV 1.1	Estimate at Completion (EAC)	Variance
Area 1 SD-WWTP	347,616,826.41	354,791,022.00	(7,174,195.59)
Area 2 CD-WWTP	806,407,796.17	718,738,770.00	87,669,026.17
Area 3 ND-WWTP	347,161,638.29	301,608,949.00	45,552,689.29
Area 4 WCTS	391,547,716.12	427,884,500.00	(36,336,783.88)
Area 5 SPSS	116,840,964.75	124,828,021.00	(7,987,056.25)
Area 6 SEP	5,833,094.43	4,189,383.00	1,643,711.43
PMCM- Program Management/ Construction Management	181,557,337.01	169,451,031.00	12,106,306.01
<b>Grand Total</b>	<b>2,196,965,373.18</b>	<b>2,101,491,676.00</b>	<b>95,473,697.18</b>

## Monthly Variances - Summary

During the month of June 2016 the CD Program recorded an increase in the projected Estimate at Completion of \$4.8M distributed by Area as follows:

Area	Monthly Variance
Area 1 SD-WWTP	(8,479,467.76)
Area 2 CD-WWTP	(3,907,800.11)
Area 3 ND-WWTP	(1,643,733.83)
Area 4 WCTS	11,305,822.76
Area 5 SPSS	(180,626.83)
Area 6 SEP	(4,311.37)
PMCM	(1,913,965.92)
<b>Grand Total</b>	<b>(4,824,083.06)</b>

## Monthly Variances – Detail by Project

The table below shows the monthly variance in EAC by project:

Consent Decree Areas	Consent Decree Projects	Variance	Comments
<b>Area 1 SD-WWTP</b>	1.02 Oxygen Production	(916,023.00)	Increase due to reconciliation to match EAC to design task authorization
	1.05 (1) Effluent Pump Station Electrical Equipment (Pumps 7-9)	3,115,805.00	Decrease due to updated scope of work
	1.07 Digesters and Control Building	(11,364,018.70)	EAC increase. Additional mechanical scope added. 10" Modulating Valve, flow meter, 2 ea 750 GMP pumps with VFDs, and Heat Exchanger. Stainless Steel digester covers alternate cost increased
	1.12 Chlorine Contact Chamber Structural Rehab	684,768.94	EAC decrease. Inlet replacement and discharge gates unit prices have been updated. Escalation updated.
	<b>Area 1 SD-WWTP Total</b>	<b>(8,479,467.76)</b>	
<b>Area 2 CD-WWTP</b>	2.02 (1) Administration Building Improvements & Miscellaneous Rood Repairs	343,283.60	Decrease based on actual Engineer's estimate prepared by PMCM compared to the initial budget.
	2.02 (2) Maintenance, Storage & Operation Control Building Improvements Remodel Bathrooms, Locker R	(131,634.81)	Increase due to scope change. Costs for the bathroom remodel were added
	2.03 Headworks/Grit Basin Plant 1	(989.78)	Increase due to reconciliation to match EAC to design task authorization
	2.15 (1 ) Cluster 1	(19,695.31)	Increase due to reconciliation to match EAC to design task authorization
	2.17 Chlorination Facilities	453,652.38	Decrease due to reconciliation to match EAC to construction contract
	2.19 (2) Co-Gen Biogas Treatment Facilities	(3,991,009.00)	Increase due to EAC adjustment to 60% OPCC design submittal
	2.21 Pump Station No.1	(626,351.74)	Increase due to reconciliation to match EAC to design task authorization
	2.23 O2 Plant Process Controls Phase 2	67,351.53	Decrease due to reconciliation to match EAC to construction contract
	2.24 Gas Monitoring and Alarms	(2,406.98)	Increase due to reconciliation to match EAC to design task authorization
	<b>Area 2 CD-WWTP Total</b>	<b>(3,907,800.11)</b>	
<b>Area 3 ND-WWTP</b>			

Consent Decree Areas	Consent Decree Projects	Variance	Comments
	3.01 Headworks and Sludge Degritting & Transfer	(11,843.12)	Increase due to EAC reconciliation with in-house design and WASD stores overhead actual cost
	3.02 Primary Clarifiers and Odor Control	(20,077,255.20)	Increase in construction from BODR to 60% design OPCC. Additional scope included.
	3.05 (2) Secondary Clarifiers (Remaining Scope of Work)	19,625,595.65	\$17.6 M construction decrease. Previous budget amount was based on assumed scope. 30% OPCC detailed scope based on preliminary design. \$2.0M decrease per actuals reconciliation.
	3.06 Disinfection	(1,033,233.49)	Increase due to reconciliation to match EAC to design task authorization
	3.07 (1) Deep Injection Well Pump Station	(43,749.00)	Increase due to reconciliation to match EAC to design task authorization
	3.08 Plant Wide Electrical	(103,248.67)	Increase due to reconciliation to match EAC to design task authorization
<b>Area 3 ND-WWTP Total</b>		<b>(1,643,733.83)</b>	
	4.01.0101 Collection System I/I Repairs PMCM Dig & Replace I/I Repairs	33,873.60	Decrease due to management budget transfer to management account
	4.01.0300 Collection System I/I Repairs MDWASD Construction Management Team I/I Repairs	(1,909,541.68)	Increase due to management budget transfer to project
	4.03 Government Cut FM - Phase 3	(4,877.34)	Increase due to EAC reconciliation with management actual cost
	4.04 North Dade 72 inch PCCP FM Rehabilitation	(2,494.79)	Increase due to EAC reconciliation with management actual cost
	4.05 (1) Install New 60/54/48 Inch FM in SW 232nd St. and SW 127 Ave. Install 10,560 LF of 54-in an	12,210,708.77	Decrease due to EAC adjustment to match the pre-purchases cost
	4.07 Replacement of 18 inch DIP FM in Miami Lakes	(772.66)	Increase due to EAC reconciliation with management actual cost
	4.08(1) Rehabilitation of 2 54 inch PCCP FM in the City Phase 1	50,271.78	Decrease due to reconciliation to match EAC to design task authorization
	4.09 (2) Replacement of 2,200 LF of 12" ACP FM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.	(264.97)	Increase due to EAC reconciliation with in-house design actual cost
	4.09 (22) Replacement of 2,056 LF of 6" ACP FM from PS#358 to PS#0352	(23,924.15)	Increase due to reconciliation to match EAC to construction contract
	4.09 (29-31) Replace 12" & 10" ACP FM BTW PS#0812 & SW 102nd and 12" BTW SW107th Ave & 102nd PI	(7,926.40)	Increase due to reconciliation to match EAC to design task authorization
	4.09 (33) Replace 1266 LF 4" ACP FM from PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.	(2,127.92)	Increase due to EAC reconciliation with in-house design actual cost
	4.09 (34) PCTS 13182, 13184, 13189 REPLACE 4-IN, 6-IN, 8-IN, 10-IN AND 12-IN ACP FMS	(1,133,641.41)	Increase due to scope changes
	4.09 (46) Replacement of 140 LF of 6" ACP FM from SW107th Ct/155th St to SW 107th Ave./155th St.	(122,924.53)	Increase due to scope changes
	4.09 (48) Replacement of 1,822 LF of 10" ACP FM from PS#1017 to SW 123rd PI/268th St.	(54,643.36)	Increase due to reconciliation to match EAC to design task authorization
	4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132 Along Bikini Blvd to MH5 in Hanger Rd	(14,549.39)	Increase due to reconciliation to match EAC to design task authorization
	4.09 (69) Replacement of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.	(35,498.45)	Increase due to reconciliation to match EAC to construction contract
	4.09 (71) Replace 10" ACP FM from PS#0445, West to NW 207th St. and 30th Ave.	(20,508.73)	Increase due to reconciliation to match EAC to design task authorization and in-house design services actual cost
	4.09 (73) Replacement of 10" FM from PS#0735 and Private PS South of SW 152nd St. & W of U.S.1	(53,480.37)	Increase due to reconciliation to match EAC to design task authorization
	4.10(1) Opa-Locka Airport 48" PCCP FM Rehab	264,311.24	Decrease due to reconciliation to match EAC to design task authorization. Also decrease in escalation and contingency

Consent Decree Areas	Consent Decree Projects	Variance	Comments
	4.10 (2) Opa-Locka Airport 48" PCCP FM Replacement	2,067,242.29	Decrease due to EAC adjustment to 90% design submittal
	4.10 (3) Install 1,550 LF of 16" DI FM Along NW 159 ST Between 57 AV and 54 AV	66,591.23	Decrease due to reconciliation to match EAC to design task authorization
<b>Area 4 WCTS Total</b>		<b>11,305,822.76</b>	
<b>Area 5 SPSS</b>			
	5.01 Upgrade of PS#0418	(5,912.40)	Increase due to reconciliation to in-house design services costs
	5.02 Upgrade of PS#0691	126,773.08	Decrease due to EAC reconciliation to match EAC to design task authorization
	5.03 Upgrade of PS#0692	(110,588.58)	Increase due to EAC reconciliation to match EAC to design task authorization
	5.04 Replacement of Switchgear PS#0414	(1,305,837.52)	Increase due to additional civil scope like main entry asphalt with curb & gutter and erosion control. Increase in mechanical materials due to pump selection.
	5.05 Replacement of Switchgear and Rehabilitation of Wet well PS#0415	2,543,967.70	Decrease due to adjusted prices and quantities based on refined electrical and mechanical design.
	5.06 Replacement of Switchgear PS#0416	(299,837.18)	Increase due to EAC adjustment to 90% design submittal
	5.07 Replacement of Switchgear and Rehabilitation of Wet well PS#0417	1,793,629.46	Decrease based on better defined electrical scope and updated quotes from vendors. Escalation updated.
	5.08 Replacement of Electrical and Mechanical Equipment in PS#0107	(37,346.48)	Increase due to EAC adjustment to the construction recommended award cost
	5.09 Replacement of Pumping and Electrical Equipment at PS#0301	(2,610,317.62)	Civil, architectural, electrical and mechanical scopes have been adjusted from 60% to 90% design.
	5.11 Installation of 60 inch FM from Kendall Dr to PS#0536	(64,817.55)	Increase due to reconciliation to match EAC to design task authorization
	5.15 (1) Pump Station 0065 Compliance Project	(612.71)	Increase due to EAC reconciliation with actual cost
	5.15 (2) Pump Station 0201 Compliance Project	(6,338.14)	Increase due to EAC reconciliation with actual cost
	5.16 (2) Pump Station No. 0437 Upgrade	(8,169.23)	Increase due to EAC reconciliation with actual cost
	5.17 (1) Pump Station 0037 Compliance Project	(53,919.22)	Increase due to reconciliation to match EAC to design task authorization
	5.17 (2) Pump Station No. 0351 Upgrade	(45,586.17)	Increase due to reconciliation to match EAC to design task authorization
	5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM	(49,316.21)	Increase due to reconciliation to match EAC to design task authorization
	5.17 (4) Pump Station 0403 Upgrade	(39,606.82)	Increase due to reconciliation to match EAC to design task authorization
	5.19 SCADA RTU Upgrades	(6,788.83)	Project is completed. Increase due to final reconciliation with actual cost
<b>Area 5 SPSS Total</b>		<b>(180,626.83)</b>	
<b>Area 6 SEP</b>			
	6.01 SEP - C6 MIAMI CANAL - SEWER IMPROVEMENTS (WASD BASIN 0086)	(4,311.37)	Increase due to reconciliation to match EAC to design task authorization
<b>Area 6 SEP Total</b>		<b>(4,311.37)</b>	
<b>PMCM- Program Management/ Construction Management</b>			
	Construction Management-Program Management	(1,913,965.92)	Budget transfer from PMCM main account to construction management account per Project.
<b>PMCM- Program Management/ Construction Management Total</b>		<b>(1,913,965.92)</b>	
<b>Grand Total</b>		<b>(4,824,083.06)</b>	

## CD Commitments

Once a Task Authorization (TA) is issued it is recorded as a commitment in the cost tracking system. Other Commitments include Purchase Orders and Contracts. When actual costs are incurred without a TA, Purchase Order, Contract, those actual costs are also recorded as a commitment.

As of the end of this reporting period a total of \$340M have been approved via Task Authorizations, Purchase Orders and Construction Contracts. The current committed amount is \$401M.

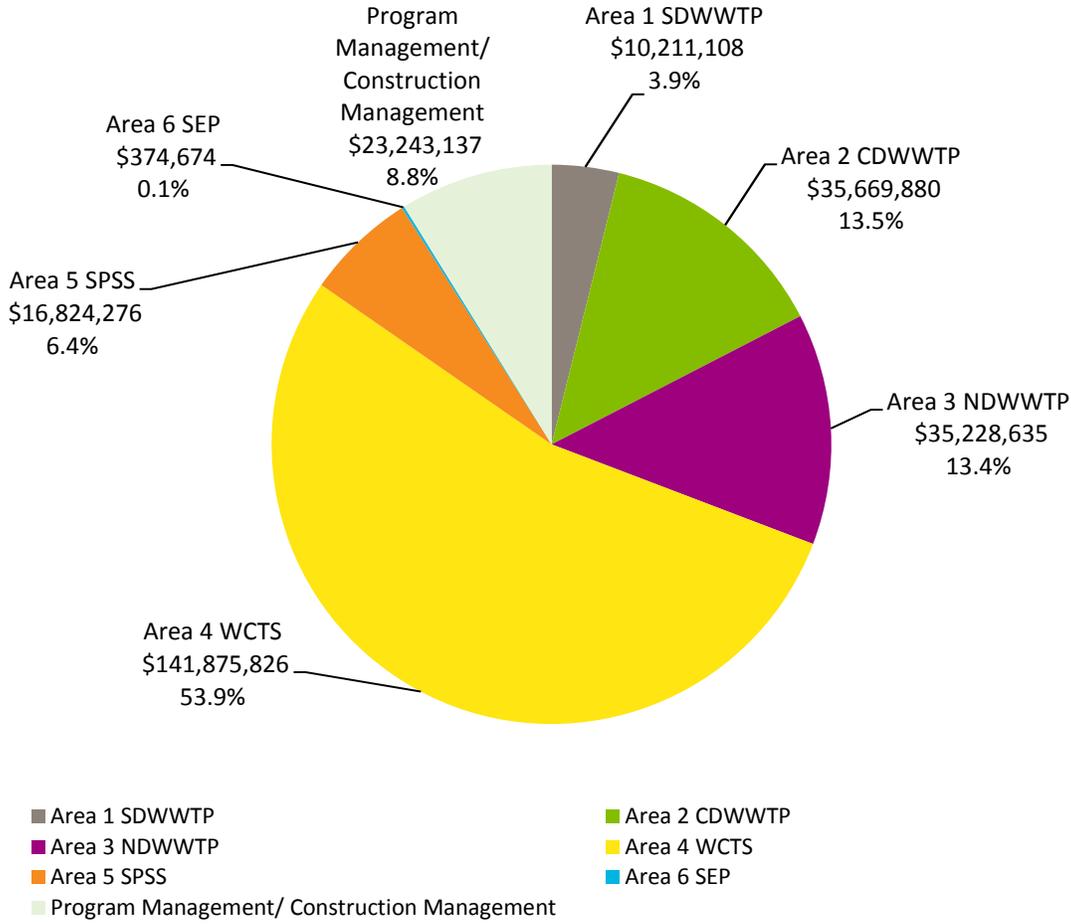
The actual expenditures without Task Authorizations correspond to WASD In-house construction (when applicable), WASD construction management, WASD Stores Overhead (9.4%), and WASD Overhead (10.6%)

See breakdown below for details:

Commitments	Amount
Construction	231,309,017.28
Design	58,428,293.56
Management	50,508,685.33
<b>Total Approved Commitments</b>	<b>340,245,996.17</b>
Actual Expenditures without Commitments	60,869,474.83
<b>TOTAL COMMITMENTS</b>	<b>401,115,471.00</b>

Actual Cost

As of the end of June 2016, the total actual cost paid from inception to date for the Consent Decree Program is \$263M.



**Graph 01- Actual Cost ITD as of June 2016**

## **Appendix A: Executive Cost Summary Report**

# EXECUTIVE COST SUMMARY

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE (- over / (3)=(1)-(2)	COMMITTED TO DATE (4)	% COMMITTED (5) = (4/1)	ACTUALS TO DATE (6)	% ACTUALS TO DATE (7) = (6/1)
<b>1</b> Area 1 SD-WWTP	347,616,826	354,791,022	-7,174,196	12,842,947	3.69%	10,211,108	2.94%
<b>2</b> Area 2 CD-WWTP	806,407,796	718,738,770	87,669,026	60,626,480	7.52%	35,669,880	4.42%
<b>3</b> Area 3 ND-WWTP	347,161,638	301,608,949	45,552,689	62,386,016	17.97%	35,228,635	10.15%
<b>4</b> Area 4 WCTS	391,547,716	427,884,500	-36,336,784	182,802,381	46.69%	141,875,826	36.23%
<b>5</b> Area 5 SPSS	116,840,965	124,828,021	-7,987,057	23,018,256	19.70%	16,824,276	14.40%
<b>6</b> Area 6 SEP	5,833,094	4,189,383	1,643,711	770,826	13.21%	374,674	6.42%
<b>9</b> PMCM- Program Management/ Construction Management	181,557,337	169,451,031	12,106,306	58,668,565	32.31%	23,243,137	12.80%
<b>Report Totals</b>	<b>2,196,965,373</b>	<b>2,101,491,677</b>	<b>95,473,696</b>	<b>401,115,471</b>	<b>18.26%</b>	<b>263,427,536</b>	<b>11.99%</b>

## **Appendix B: WWTP & WCTS Status Summary Report**

# WWTP & WCTS STATUS SUMMARY

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

Reporting Period 22: Ending Jun '16  
Cost

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Project Type and Description	ORIGINAL BASELINE BUDGET	BASELINE BUDGET REV 1.1	ESTIMATE AT COMPLETION	ACTUALS TO DATE
<b>Waste Water Treatment Plants</b>				
ACTIVE PROJECTS	656,568,896	973,735,516	835,046,550	78,862,557
FUTURE PROJECTS	284,995,829	524,757,431	537,845,125	0
COMPLETED PROJECTS	2,853,950	2,693,314	2,247,066	2,247,066
<b>Waste Water Treatment Plants</b>	<b>944,418,675</b>	<b>1,501,186,261</b>	<b>1,375,138,741</b>	<b>81,109,623</b>
<b>Waste Water Collection System</b>				
ACTIVE PROJECTS	404,770,146	396,812,304	428,897,343	117,380,777
FUTURE PROJECTS	43,582,599	81,760,384	86,303,773	0
COMPLETED PROJECTS	45,243,192	35,649,088	41,700,789	41,694,000
<b>Waste Water Collection System</b>	<b>493,595,937</b>	<b>514,221,775</b>	<b>556,901,904</b>	<b>159,074,776</b>
<b>Program and Construction Management</b>				
ACTIVE PROJECTS	114,414,960	181,557,337	169,451,031	23,243,137
<b>Report Totals</b>	<b>1,552,429,572</b>	<b>2,196,965,373</b>	<b>2,101,491,677</b>	<b>263,427,536</b>

## **Appendix C: Status by Area and Project Reports**

# STATUS BY AREA AND PROJECT

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description

	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
<u>1.01 Headworks</u>	2,351,189	2,355,012	-3,823	0	45,845	1.95%	45,845	1.95%
<u>1.02 Oxygen Production</u>	14,187,466	14,533,511	-346,045	-916,023	1,441,244	10.16%	1,274,211	8.98%
<u>1.03 (1) Oxygenation Trains - Structural Rehab</u>	19,293,157	9,715,961	9,577,196	0	848,576	4.40%	666,722	3.46%
<u>1.03 (2) Oxygenation Trains - Electrical Bldg Expansion</u>	13,775,174	14,862,519	-1,087,345	0	0	0.00%	0	0.00%
<u>1.03 (3) Oxygenation Trains - Mixer Upgrades</u>	0	15,687,783	-15,687,783	0	0	0.00%	0	0.00%
<u>1.04 Chlorine Building</u>	3,219,214	3,277,038	-57,824	0	0	0.00%	0	0.00%
<u>1.05 (1) Effluent Pump Station Electrical Equipment (Pumps 7-9)</u>	28,887,596	8,199,303	20,688,293	3,115,805	3,306,630	11.45%	2,518,929	8.72%
<u>1.05 (2) Effluent Pump Station Building Improvements and Pumps 1</u>	7,757,132	26,128,928	-18,371,796	0	0	0.00%	0	0.00%
<u>1.07 Digesters and Control Building</u>	89,741,306	137,543,483	-47,802,177	-11,364,019	4,041,729	4.50%	3,063,525	3.41%
<u>1.07 (2) Sub 7A &amp; 8A Digester Cluster 4 Feeders Breakers Upgrad</u>	0	210,581	-210,581	0	0	0.00%	0	0.00%
<u>1.09 FOG Removal Facility</u>	4,567,654	5,577,252	-1,009,598	0	1,324,497	29.00%	981,489	21.49%
<u>1.10 Odor Control</u>								

## Area 1 SD-WWTP

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
<u>1.11 General Electrical</u>	16,079,937	15,966,700	113,237	0	0	0.00%	0	0.00%
<u>1.11 (1) General Electrical- Emergency Repairs</u>	13,908,902	12,359,952	1,548,950	0	0	0.00%	0	0.00%
<u>1.12 Chlorine Contact Chamber Structural Rehab</u>	0	2,133,541	-2,133,541	0	0	0.00%	0	0.00%
<u>SD-WWTP &amp; CD-WWTP Thickening and Dewatering Facilities</u>	8,324,156	7,761,890	562,266	684,769	0	0.00%	0	0.00%
<b>Area 1 SD-WWTP</b>	125,523,945	78,477,567	47,046,378	0	1,834,426	1.46%	1,660,387	1.32%
	347,616,826	354,791,022	-7,174,196	-8,479,468	12,842,947	3.69%	10,211,108	2.94%

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description

Child Project and Description	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
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Area 2 CD-WWTP

2.01 Miscellaneous Electrical Improvements

23,915,383 17,427,174 6,488,209 0 2,252,026 9.42% 1,618,451 6.77%

2.02 (1) Administration Building Improvements & Miscellaneous Ro

1,202,513 3,556,448 -2,353,934 343,284 999,608 83.13% 423,767 35.24%

2.02 (2) Maintenance, Storage & Operation Control Building Improv

3,347,451 895,042 2,452,410 -131,635 0 0.00% 0 0.00%

2.03 Headworks/Grit Basin Plant 1

29,194,936 14,541,225 14,653,711 -990 6,451,684 22.10% 4,510,927 15.45%

2.04 Headworks/Grit Basin Plant 2

29,533,976 13,433,988 16,099,988 0 46,600 0.16% 46,600 0.16%

2.05 Oxygenation Trains Plant 1

14,877,211 14,322,362 554,849 0 2,469,089 16.60% 2,398,235 16.12%

2.06 Oxygenation Trains Plant 2

31,663,133 30,771,732 891,401 0 5,565,640 17.58% 5,113,953 16.15%

2.07 Secondary Clarifiers Plant 1

17,967,688 18,327,969 -360,281 0 0 0.00% 0 0.00%

2.08 Secondary Clarifiers Plant 2

32,412,214 30,228,563 2,183,651 0 0 0.00% 0 0.00%

2.09 Return Sludge PS Plant 1

13,651,687 13,529,746 121,941 0 0 0.00% 0 0.00%

2.10 Return Sludge PS Plant 2

18,120,837 20,813,726 -2,692,889 0 3,095,137 17.08% 265,101 1.46%

2.11 Effluent Pump Station

16,877,775 16,240,489 637,286 0 0 0.00% 0 0.00%

2.14 (1) Digesters Plant 1 - Cluster 1

42,916,175 41,082,659 1,833,516 0 0 0.00% 0 0.00%

2.14 (2) Digesters Plant 1 - Cluster 2

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	45,305,799	46,218,458	-912,659	0	0	0.00%	0	0.00%
<u>2.14.0201 Digesters Plant 1 Cover Demolition</u>	0	400,158	-400,158	0	0	0.00%	0	0.00%
<u>2.15 (1 ) Cluster 1</u>	39,929,717	42,325,814	-2,396,097	-19,695	6,886,270	17.25%	6,407,528	16.05%
<u>2.15 (1.1) Digesters Plant 2-Covers DEMO</u>	0	378,036	-378,036	0	0	0.00%	0	0.00%
<u>2.15.(2) Cluster 2</u>	47,777,645	51,926,554	-4,148,909	0	1,393,373	2.92%	908,237	1.90%
<u>2.15.(3) Cluster 3</u>	45,383,969	42,105,176	3,278,793	0	0	0.00%	0	0.00%
<u>2.15.(4) Cluster 4</u>	42,915,316	39,128,266	3,787,050	0	0	0.00%	0	0.00%
<u>2.17 Chlorination Facilities</u>	15,275,812	21,768,228	-6,492,416	453,652	17,160,727	112.34%	2,533,974	16.59%
<u>2.18 (1) Headworks Odor Control Systems (2.03/2.04)</u>	0	4,878,380	-4,878,380	0	0	0.00%	0	0.00%
<u>2.19 (1) Co-Gen Generator Replacement</u>	222,097	7,000,000	-6,777,903	0	5,329,301	2,399.54%	5,362,859	2,414.65%
<u>2.19 (2) Co-Gen Biogas Treatment Facilities</u>	37,983,261	34,087,492	3,895,769	-3,991,009	1,758,534	4.63%	174,480	0.46%
<u>2.20 Septage Unloading Station</u>	0	0	0	0	0	0.00%	0	0.00%
<u>2.21 Pump Station No.1</u>	19,290,536	19,581,315	-290,779	-626,352	676,445	3.51%	526,566	2.73%
<u>2.22 Pump Station No.2</u>	11,211,646	7,565,244	3,646,402	0	1,384,113	12.35%	852,573	7.60%
<u>2.23 O2 Plant Process Controls Phase 2</u>								

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<u>2.24 Gas Monitoring and Alarms</u>	1,440,358	1,116,694	323,664	67,352	674,992	46.86%	475,378	33.00%
<u>2.25 Ventilation Improvements</u>	1,056,089	1,116,261	-60,172	-2,407	181,752	17.21%	179,345	16.98%
<u>2.25 (2) Headworks Ventilation Improvements (2.03-2.04)</u>	9,303,102	9,488,968	-185,866	0	0	0.00%	0	0.00%
	0	6,631	-6,631	0	0	0.00%	0	0.00%
<u>2.26 Rehabilitation of Walkways and Stairways</u>	2,494,615	2,494,615	0	0	146,358	5.87%	146,358	5.87%
<u>2.27 Oxygen Production</u>	37,507,902	37,507,721	181	0	1,036,756	2.76%	749,762	2.00%
<u>2.28 SCADA RTU Upgrades</u>	313,397	313,397	0	0	277,121	88.42%	313,397	100.00%
<u>2.29 High Strength Influent Impact Study</u>	1,403,000	1,042,081	360,919	0	1,042,081	74.28%	1,042,081	74.28%
<u>SD-WWTP &amp; CD-WWTP Thickening and Dewatering Facilities</u>	171,912,557	113,118,160	58,794,397	0	1,798,872	1.05%	1,620,307	0.94%
<b>Area 2 CD-WWTP</b>	<b>806,407,796</b>	<b>718,738,770</b>	<b>87,669,026</b>	<b>-3,907,800</b>	<b>60,626,480</b>	<b>7.52%</b>	<b>35,669,880</b>	<b>4.42%</b>

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<u>3.01 Headworks and Sludge Degritting &amp; Transfer</u>	39,230,021	34,676,644	4,553,378	-11,843	27,033,649	68.91%	11,384,025	29.02%
<u>3.02 Primary Clarifiers and Odor Control</u>	62,224,127	67,883,924	-5,659,797	-20,077,255	4,185,336	6.73%	3,260,184	5.24%
<u>3.03 Oxygenation Trains</u>	65,846,950	65,451,788	395,162	0	0	0.00%	0	0.00%
<u>3.04 Oxygen Production</u>	18,867,468	18,731,000	136,468	0	0	0.00%	0	0.00%
<u>3.05 (1)Secondary Clarifiers (Replace Mechanisims #1-10)</u>	20,735,752	18,375,480	2,360,272	0	13,980,697	67.42%	8,134,238	39.23%
<u>3.05 (2) Secondary Clarifiers (Remaining Scope of Work)</u>	69,065,102	40,427,550	28,637,552	19,625,596	3,190,291	4.62%	487,489	0.71%
<u>3.06 Disinfection</u>	37,016,017	36,779,298	236,719	-1,033,233	6,522,855	17.62%	5,444,916	14.71%
<u>3.07 (1) Deep Injection Well Pump Station</u>	18,265,726	8,721,277	9,544,450	-43,749	5,505,271	30.14%	4,617,223	25.28%
<u>3.08 Plant Wide Electrical</u>	7,407,321	7,303,960	103,360	-103,249	452,984	6.12%	349,735	4.72%
<u>3.09 Flood Mitigation</u>	1,099,144	1,143,799	-44,655	0	627,486	57.09%	659,238	59.98%
<u>3.10 Yard Piping Replacement</u>	6,427,092	1,222,641	5,204,452	0	0	0.00%	0	0.00%
<u>3.11 SCADA RTU Upgrades</u>	976,917	891,588	85,329	0	887,449	90.84%	891,588	91.27%

Area 3 ND-WWTP

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Area 3 ND-WWTP	347,161,638	301,608,949	45,552,689	-1,643,734	62,386,016	17.97%	35,228,635	10.15%

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<u>4.01.0100 Collection System I/I Repairs PMCM CIPP I/I Repairs</u>	38,397,847	43,434,726	-5,036,879	0	2,759,768	7.19%	1,591,684	4.15%
<u>4.01.0101 Collection System I/I Repairs PMCM Dig &amp; Replace I/I R</u>	38,397,847	43,402,498	-5,004,651	33,874	5,135,997	13.38%	2,833,273	7.38%
<u>4.01.0300 Collection System I/I Repairs MDWASD Construction M</u>	38,397,847	43,940,213	-5,542,366	-1,909,542	16,581,368	43.18%	8,222,624	21.41%
<u>CD Budget- 4.02 (1) Government Cut FM - Phase 1&amp;2- CD Budget</u>	29,201,908	35,187,000	-5,985,092	0	35,187,000	120.50%	35,187,000	120.50%
<u>4.03 Government Cut FM - Phase 3</u>	96,500,965	90,009,338	6,491,627	-4,877	87,833,707	91.02%	67,170,018	69.61%
<u>4.04 North Dade 72 inch PCCP FM Rehabilitation</u>	23,089,204	21,985,933	1,103,272	-2,495	18,015,900	78.03%	17,281,509	74.85%
<u>4.05 (1) Install New 60/54/48 Inch FM in SW 232nd St. and SW 127</u>	17,925,283	51,671,817	-33,746,534	12,210,709	6,235,202	34.78%	2,170,276	12.11%
<u>4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 3</u>	786,546	604,872	181,674	0	677,325	86.11%	604,872	76.90%
<u>4.07 Replacement of 18 inch DIP FM in Miami Lakes</u>	1,348,715	1,108,929	239,786	-773	1,016,567	75.37%	890,216	66.00%
<u>4.08(1) Rehabilitation of 2 54 inch PCCP FM in the City Phase 1</u>	34,709,809	17,392,904	17,316,904	50,272	598,997	1.73%	514,073	1.48%
<u>4.08(2) Rehabilitation of 54 inch PCCP FM in the City Phase 2</u>	0	16,263,465	-16,263,465	0	0	0.00%	0	0.00%
<u>4.09 (1) Replacement of 2,757 LF of 12" ACP FM - SW 112th Ave.</u>	137,550	138,361	-810	0	0	0.00%	0	0.00%
<u>4.09 (2) Replacement of 2,200 LF of 12" ACP FM - NE 14th Ave. fr</u>	759,492	917,878	-158,386	-265	739,773	97.40%	112,420	14.80%
<u>4.09 (3-8) REPLACEMENT OF FORCE MAIN FROM PUMP STATI</u>								

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	1,417,627	1,091,371	326,256	0	1,128,307	79.59%	1,091,371	76.99%
4.09 (6-7) Replace 276LF of 6" ACP FM from PS #0362 to NW52nc	50,535	67,577	-17,042	0	19,348	38.29%	17,337	34.31%
4.09 (9-13) Replacement of 6, 8 and 12" ACP FM Between PS#038	0	1,184,084	-1,184,084	0	1,347,591	0.00%	1,184,084	0.00%
4.09 (14-19) Replacement of 6, 8 & 10" ACP FM Around PS#0376,	0	1,091,169	-1,091,169	0	1,127,152	0.00%	1,091,169	0.00%
4.09 (20-21) Replace 467LF 8" ACP FM from PS#0366 to NW42nd	1,044,853	1,221,097	-176,244	0	138,515	13.26%	129,820	12.42%
4.09 (22) Replacement of 2,056 LF of 6" ACP FM from PS#358 to F	609,602	830,165	-220,563	-23,924	629,352	103.24%	83,377	13.68%
4.09 (23) Replacment of 11,027 LF of 8" ACP FM from PS#1022 ro	647,015	801,866	-154,851	0	70,618	10.91%	0	0.00%
4.09 (24) Replacement of 800 LF of 8" ACP FM from PS#0353 to N	199,148	322,008	-122,860	0	19,528	9.81%	17,706	8.89%
4.09 (25-26) Replacement of 1425 LF of 10" ACP FM from NW123r	384,368	451,466	-67,098	0	57,619	14.99%	52,587	13.68%
4.09 (27) Replace 310 LF of 4" ACP FM in SW 149th Ter from SW 1	74,101	76,083	-1,982	0	56,416	76.13%	56,157	75.78%
4.09 (28) Replacement of 1,610 LF of 8" ACP FM from PS0786 to N	28,842	29,512	-670	0	0	0.00%	0	0.00%
4.09 (29-31) Replace 12" & 10" ACP FM BTW PS#0812 & SW 102r	2,578,519	2,538,026	40,493	-7,926	141,142	5.47%	115,302	4.47%
4.09 (32) Replacement of 851 LF of 12" ACP FM in SW 107th Ave.	492,024	498,318	-6,294	0	58,512	11.89%	51,203	10.41%
4.09 (33) Replace 1266 LF 4" ACP FM from PVT PS at SW104th A	275,039	118,411	156,628	-2,128	19,424	7.06%	19,424	7.06%
4.09 (34) PCTS 13182, 13184, 13189 REPLACE 4-IN, 6-IN, 8-IN, 1								

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	5,385,702	4,475,611	910,091	-1,133,641	0	0.00%	0	0.00%
<u>4.09 (44-45) Replacement of 1200 LF of 8" ACP FM from PS#0810</u>	0	28,496	-28,496	0	0	0.00%	0	0.00%
<u>4.09 (46) Replacement of 140 LF of 6" ACP FM from SW107th Ct/1</u>	48,823	363,271	-314,447	-122,925	0	0.00%	0	0.00%
<u>4.09 (47) Replacement of 973 LF of 8" ACP FM from PS#0869 to S</u>	357,579	499,202	-141,623	0	58,795	16.44%	53,859	15.06%
<u>4.09 (48) Replacement of 1,822 LF of 10" ACP FM from PS#1017 t</u>	3,700,327	4,225,870	-525,543	-54,643	310,780	8.40%	0	0.00%
<u>4.09 (54-56) Replace 5043LF of 12" ACP FM - SW 72nd St from 13</u>	29,511	30,240	-729	0	0	0.00%	0	0.00%
<u>4.09 (57-59) Replace 1441LF 8", 2101LF 10" &amp; 776LF 12"ACP FM</u>	49,184	50,403	-1,218	0	0	0.00%	0	0.00%
<u>4.09 (60-62) Replace 1420LF 8" ACP FM (PS#1013 - PS#1012), 22</u>	1,527,466	1,507,724	19,742	0	0	0.00%	0	0.00%
<u>4.09 (64) Replacement of 1,236 LF of 6" ACP FM Along SW 296th :</u>	27,922	28,388	-466	0	0	0.00%	0	0.00%
<u>4.09 (65) Replacement of 1,819 LF of 6" ACP FM from PS#1002 to</u>	712,883	610,501	102,382	0	0	0.00%	0	0.00%
<u>4.09 (66) Replacement 2,989 LF of 8" ACP FM from PS#1002 to S\</u>	76,758	75,729	1,029	0	0	0.00%	0	0.00%
<u>4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132 Along Bik</u>	743,251	754,162	-10,912	-14,549	69,962	9.41%	55,413	7.46%
<u>4.09 (68) Replacement of 3,400 LF of 6" and 8" ACP FM, from PS#</u>	1,018,890	1,079,681	-60,791	0	104,926	10.30%	102,243	10.03%
<u>4.09 (69) Replacement of 2,320 LF of 12" ACP FM from PS#0333 S</u>	816,741	1,043,578	-226,837	-35,498	788,343	96.52%	92,471	11.32%
<u>4.09 (70) Replace 8,000 LF of 10" ACP FM Along US-1 from 184th</u>								

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	2,421,895	487,539	1,934,356	0	9,814	0.41%	9,814	0.41%
<u>4.09 (71) Replace 10" ACP FM from PS#0445, West to NW 207th St</u>	720,851	738,601	-17,750	-20,509	68,922	9.56%	41,252	5.72%
<u>4.09 (72) Replace 9,045 LF of 8", 12" and 16" ACP FM from PS#08</u>	3,402,394	3,541,273	-138,879	0	62,505	1.84%	0	0.00%
<u>4.09 (73) Replacement of 10" FM from PS#0735 and Private PS Sc</u>	4,230,487	4,059,045	171,442	-53,480	505,486	11.95%	397,313	9.39%
<u>4.10(1) Opa-Locka Airport 48" PCCP FM Rehab</u>	38,822,365	5,022,613	33,799,752	264,311	198,035	0.51%	0	0.00%
<u>4.10 (2) Opa-Locka Airport 48" PCCP FM Replacement</u>	0	21,825,847	-21,825,847	2,067,242	1,029,682	0.00%	635,958	0.00%
<u>4.10 (3) Install 1,550 LF of 16" DI FM Along NW 159 ST Between 5</u>	0	1,057,638	-1,057,638	66,591	0	0.00%	0	0.00%
<b>Area 4 WCTS</b>	<b>391,547,716</b>	<b>427,884,500</b>	<b>-36,336,784</b>	<b>11,305,823</b>	<b>182,802,381</b>	<b>46.69%</b>	<b>141,875,826</b>	<b>36.23%</b>

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<u>Area 5 SPSS</u>								
<u>5.01 Upgrade of PS#0418</u>	15,908,856	20,040,842	-4,131,987	-5,912	2,358,950	14.83%	1,373,655	8.63%
<u>5.02 Upgrade of PS#0691</u>	9,650,533	4,237,208	5,413,325	126,773	337,759	3.50%	310,447	3.22%
<u>5.03 Upgrade of PS#0692</u>	10,231,796	13,607,164	-3,375,368	-110,589	1,168,953	11.42%	458,618	4.48%
<u>5.04 Replacement of Switchgear PS#0414</u>	5,690,156	7,691,811	-2,001,655	-1,305,838	786,643	13.82%	537,085	9.44%
<u>5.05 Replacement of Switchgear and Rehabilitation of Wetwell PS#</u>	5,938,012	8,878,913	-2,940,902	2,543,968	827,979	13.94%	592,197	9.97%
<u>5.06 Replacement of Switchgear PS#0416</u>	2,714,253	6,720,588	-4,006,335	-299,837	774,771	28.54%	630,373	23.22%
<u>5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#</u>	3,167,665	5,310,245	-2,142,580	1,793,629	826,729	26.10%	592,566	18.71%
<u>5.08 Replacement of Electrical and Mechanical Equipment in PS#0</u>	1,461,252	1,803,398	-342,146	-37,346	172,083	11.78%	149,545	10.23%
<u>5.09 Replacement of Pumping and Electrical Equipment at PS#030</u>	4,373,712	12,565,578	-8,191,866	-2,610,318	970,567	22.19%	744,742	17.03%
<u>5.10 Upgrade of PS#0488</u>	986,331	918,022	68,309	1	724,676	73.47%	84,437	8.56%
<u>5.11 Installation of 60 inch FM from Kendall Dr to PS#0536</u>	16,665,111	2,584,187	14,080,923	-64,818	183,325	1.10%	0	0.00%
<u>5.12 Replacement of Switchgear at PS#0187</u>	9,383,759	13,081,824	-3,698,065	0	721,975	7.69%	633,606	6.75%
<u>5.13 Refurbish Emergency Generators and Controls at Regional Pl</u>	2,658,995	479,529	2,179,467	0	496,474	18.67%	479,529	18.03%
<u>5.14 (1) RPQ T1537 PUMP STATION 0086 COMPLIANCE PROJE</u>								

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
<u>5.14 (2) RPQ T1665 UPGRADE SEWAGE PUMP STATION No. 49</u>	447,397	576,797	-129,400	0	595,558	133.12%	576,797	128.92%
<u>5.15 (1) Pump Station 0065 Compliance Project</u>	505,579	640,167	-134,588	0	695,715	137.61%	640,167	126.62%
<u>5.15 (1.1) FM for PS 0065 Phase 1</u>	2,055,006	974,821	1,080,185	-613	803,787	39.11%	721,972	35.13%
<u>5.15 (2) Pump Station 0201 Compliance Project</u>	2,055,004	864,718	1,190,287	0	923,130	44.92%	864,718	42.08%
<u>5.15 (3) Pump Station 0334 Compliance Project</u>	352,026	462,132	-110,106	-6,338	452,775	128.62%	455,794	129.48%
<u>5.15 (3.1) FM for Pump Station 0334</u>	777,887	814,259	-36,372	0	755,608	97.14%	727,645	93.54%
<u>5.15 (4) Pump Station 0374 Upgrade</u>	777,887	476,692	301,195	0	494,025	63.51%	476,692	61.28%
<u>5.15 (4.1) Pump Station 0374 FM Installation</u>	0	6,752	-6,752	0	6,752	0.00%	6,752	0.00%
<u>5.15 (5) Pump Station 0607 Compliance Project</u>	0	13,645	-13,645	0	13,645	0.00%	13,645	0.00%
<u>5.16 (1) Pump Station 0198 Compliance Project (I/I Work)</u>	825,845	873,610	-47,765	0	770,058	93.24%	713,309	86.37%
<u>5.16 (2) Pump Station No. 0437 Upgrade</u>	1,202,847	1,590,192	-387,344	0	1,132,191	94.13%	122,447	10.18%
<u>5.16 (3) Pump Station 0466 Compliance Project</u>	1,341,457	909,188	432,269	-8,169	745,138	55.55%	108,076	8.06%
<u>5.16 (4) Pump Station 0680 Upgrade</u>	1,449,446	597,115	852,332	0	26,619	1.84%	20,276	1.40%
<u>5.17 (1) Pump Station 0037 Compliance Project</u>	1,013,963	882,556	131,408	-3	744,624	73.44%	104,022	10.26%

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

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MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
<u>5.17 (2) Pump Station No. 0351 Upgrade</u>	1,228,538	1,683,213	-454,675	-53,919	158,699	12.92%	0	0.00%
<u>5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM</u>	1,238,250	1,494,646	-256,396	-45,586	139,313	11.25%	0	0.00%
<u>5.17 (4) Pump Station 0403 Upgrade</u>	731,452	1,294,599	-563,147	-49,316	128,695	17.59%	0	0.00%
<u>5.18 (1) Pump Station 0441 Upgrade</u>	648,313	1,338,647	-690,335	-39,607	123,289	19.02%	0	0.00%
<u>5.18 (2) Pump Station 0491 Compliance Project</u>	817,217	825,959	-8,742	0	0	0.00%	0	0.00%
<u>5.18 (3) Pump Station 0710 Compliance Project</u>	916,729	926,535	-9,806	0	0	0.00%	0	0.00%
<u>5.18 (4) Pump Station 0827 Compliance Project</u>	1,188,130	1,200,839	-12,708	0	0	0.00%	0	0.00%
<u>5.18 (5) Pump Station 0852 Compliance Project</u>	1,095,653	1,107,372	-11,719	0	0	0.00%	0	0.00%
<u>5.18 (6) Pump Station 1236 Compliance Project</u>	1,000,161	1,010,859	-10,698	0	0	0.00%	0	0.00%
<u>5.19 SCADA RTU Upgrades</u>	1,634,088	1,651,447	-17,359	0	0	0.00%	0	0.00%
<b>Area 5 SPSS</b>	4,707,657	4,691,952	15,705	-6,789	3,957,751	84.07%	4,685,163	99.52%
	116,840,965	124,828,021	-7,987,057	-180,627	23,018,256	19.70%	16,824,276	14.40%

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

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MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description

Child Project and Description	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
<b>Area 6 SEP</b>								
6.01 SEP - C6 MIAMI CANAL - SEWER IMPROVEMENTS (WASD)	0	3,492,187	-3,492,187	0	506,016	0.00%	233,026	0.00%
	5,833,094	697,197	5,135,898	-4,311	264,811	4.54%	141,648	2.43%
<b>Area 6 SEP</b>	5,833,094	4,189,383	1,643,711	-4,311	770,826	13.21%	374,674	6.42%

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

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MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description

BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
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PMCM- Program Management/ Construction Management

Construction Management-Program Management

181,557,337	169,451,031	12,106,306	-1,913,966	58,668,565	32.31%	23,243,137	12.80%
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CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Child Project and Description	BASELINE BUDGET REV 1.1 (1)	ESTIMATE AT COMPLETION (2)	PROJECTED VARIANCE REV1.1 PROJECTED VARIANCE (- over / +under) (3)=(1)-(2)	EAC MONTHLY VARIANCE (Prev EAC minus Current EAC) (4)	COMMITTED TO DATE (5)	% COMMITTED (6) = (5/1)	ACTUALS TO DATE (7)	% ACTUALS TO DATE (8) = (7/1)
Report Totals	2,196,965,373	2,101,491,677	95,473,696	-4,824,083	401,115,471	18.26%	263,427,536	11.99%

## **Appendix D: Current EAC vs. Compliance Report**

# CD CURRENT EAC Vs. COMPLIANCE

## CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

EAC vs. Compliance

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>Area: Area 1 SD-WWTP</b>													
<b>1.01.0000</b>	1.01 Headworks												
Actual/ETC	0	45,236	180,862	842,583	698,751	497,184	90,397	0	0	0	0	0	2,355,012
COMPLIANCE	0	45,236	369,218	720,738	710,418	495,910	231,006	0	0	0	0	0	2,572,525
<b>1.02.0000</b>	1.02 Oxygen Production												
Actual/ETC	0	266,741	1,122,840	1,657,581	7,465,045	2,643,082	960,598	0	0	0	0	417,623	14,533,511
COMPLIANCE	0	266,741	984,848	2,018,710	7,683,860	3,878,190	361,289	0	0	0	0	0	15,193,638
<b>1.03.0100</b>	1.03 (1) Oxygenation Trains - Structural Rehab												
Actual/ETC	0	572,821	977,476	1,500,262	1,302,164	1,278,109	1,285,608	1,430,106	1,369,416	0	0	0	9,715,961
COMPLIANCE	0	572,821	1,281,358	1,570,524	2,284,987	3,002,000	3,214,478	3,151,018	2,821,875	2,048,582	1,690,203	1,601,859	23,239,705
<b>1.03.0200</b>	1.03 (2) Oxygenation Trains - Electrical Bldg Expansion												
Actual/ETC	0	0	0	1,472,704	442,883	3,382,520	5,639,058	3,925,354	0	0	0	0	14,862,519
COMPLIANCE	0	0	0	843,317	0	0	0	0	0	0	5,817,277	9,583,546	16,244,140
<b>1.03.0300</b>	1.03 (3) Oxygenation Trains - Mixer Upgrades												
Actual/ETC	0	0	673,672	2,518,686	2,537,699	2,484,892	2,560,550	2,619,713	2,292,571	0	0	0	15,687,783
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>1.04.0000</b>	1.04 Chlorine Building												
Actual/ETC	0	0	0	11,386	201,136	95,683	1,238,008	1,730,826	0	0	0	0	3,277,038
COMPLIANCE	0	0	0	0	86,495	83,760	10,887	990,949	2,108,581	52,656	0	0	3,333,327
<b>1.05.0100</b>	1.05 (1) Effluent Pump Station Electrical Equipment (Pumps 7-9)												
Actual/ETC	805	2,511,889	140,657	1,392,059	292,002	1,742,312	2,119,579	0	0	0	0	0	8,199,303
COMPLIANCE	805	2,511,889	1,223,449	2,124,377	2,897,487	2,879,435	2,280,411	1,841,805	1,202,684	6,465	0	0	16,968,806
<b>1.05.0200</b>	1.05 (2) Effluent Pump Station Building Improvements and Pumps 1-6 Equipment												
Actual/ETC	0	0	250,325	1,745,195	737,261	6,639,173	13,123,922	3,633,053	0	0	0	0	26,128,928
COMPLIANCE	0	0	357,133	1,069,766	86,649	946,186	7,100,950	9,487,279	3,530,438	13,296	0	0	22,591,698
<b>1.07.0000</b>	1.07 Digesters and Control Building												
Actual/ETC	0	627,262	3,907,850	3,729,536	24,388,318	51,458,775	35,631,722	17,800,020	0	0	0	0	137,543,483
COMPLIANCE	0	627,262	3,102,357	574,648	11,211,435	23,739,083	24,349,395	14,898,458	2,887,648	0	0	0	81,390,286
<b>1.07.0200</b>	1.07 (2) Sub 7A & 8A Digester Cluster 4 Feeders Breakers Upgrade												
Actual/ETC	0	0	210,581	0	0	0	0	0	0	0	0	0	210,581
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>1.09.0000</b>	1.09 FOG Removal Facility												
Actual/ETC	0	478,393	638,415	3,432,482	684,954	0	0	0	0	0	0	343,008	5,577,252
COMPLIANCE	0	478,393	584,104	3,390,184	774,432	0	0	0	0	0	0	0	5,227,114
<b>1.10.0000</b>	1.10 Odor Control												
Actual/ETC	0	0	0	0	241,611	881,162	430,712	7,077,386	6,693,472	642,358	0	0	15,966,700
COMPLIANCE	0	0	0	0	0	476,636	421,783	1,175,576	10,507,965	4,050,336	73,064	0	16,705,360
<b>1.11.0000</b>	1.11 General Electrical												
Actual/ETC	0	0	298,205	1,358,032	3,136,328	4,455,715	3,100,421	11,252	0	0	0	0	12,359,952
COMPLIANCE	0	0	295,264	699,856	81,058	1,152,011	9,158,543	3,015,359	0	0	0	0	14,402,090

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

EAC vs. Compliance

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>1.11.0100</b> 1.11 (1) General Electrical- Emergency Repairs													
Actual/ETC	0	0	2,133,541	0	0	0	0	0	0	0	0	0	2,133,541
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>1.12.0000</b> 1.12 Chlorine Contact Chamber Structural Rehab													
Actual/ETC	0	0	1,466,379	4,540,367	880,893	146,918	727,333	0	0	0	0	0	7,761,890
COMPLIANCE	0	0	82,835	380,485	19,993	940,090	4,256,810	2,807,228	112,403	0	0	0	8,599,843
<b>2.30.0000</b> SD-WWTP & CD-WWTP Thickening and Dewatering Facilities													
Actual/ETC	0	515,247	2,019,244	8,777,313	36,240,240	20,909,756	4,500,552	854,872	1,485,131	2,984,542	0	190,670	78,477,567
COMPLIANCE	0	515,247	1,040,819	5,467,245	37,728,880	35,571,522	11,600,534	21,118,231	14,483,804	1,130,206	0	0	128,656,488
<b>Area: Area 1 SD-WWTP</b>													
Actual/ETC	805	5,017,589	14,020,045	32,978,186	79,249,284	96,615,281	71,408,459	39,082,582	11,840,590	3,626,900	0	951,301	354,791,022
COMPLIANCE	805	5,017,589	9,321,384	18,859,850	63,565,695	73,164,821	62,986,086	58,485,902	37,655,398	7,301,540	7,580,544	11,185,405	355,125,020

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

EAC vs. Compliance

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>Area: Area 2 CD-WWTP</b>													
<b>2.01.0000</b>	2.01 Miscellaneous Electrical Improvements												
Actual/ETC	0	0	3,743,912	5,003,777	4,759,950	2,320,417	1,599,118	0	0	0	0	0	17,427,174
COMPLIANCE	0	0	2,413,660	1,009,682	76,729	8,855,006	5,431,290	0	0	0	0	0	17,786,367
<b>2.02.0100</b>	2.02 (1) Administration Building Improvements & Miscellaneous Rood Repairs												
Actual/ETC	12,072	252,042	966,163	2,326,170	0	0	0	0	0	0	0	0	3,556,448
COMPLIANCE	12,072	252,042	1,973,790	1,580,065	122,898	17,066	17,112	17,066	17,066	17,066	17,112	27,946	4,071,301
<b>2.02.0200</b>	2.02 (2) Maintenance, Storage & Operation Control Building Improvements Remodel Bathrooms, Locker R												
Actual/ETC	0	0	0	888,171	6,870	0	0	0	0	0	0	0	895,042
COMPLIANCE	0	0	49,567	698,035	36,060	0	0	0	0	0	0	0	783,662
<b>2.03.0000</b>	2.03 Headworks/Grit Basin Plant 1												
Actual/ETC	0	910,081	4,280,132	7,824,771	1,066,847	0	0	0	0	0	0	459,393	14,541,225
COMPLIANCE	0	478,341	5,248,140	11,087,573	1,101,834	0	0	0	0	0	0	0	17,915,889
<b>2.04.0000</b>	2.04 Headworks/Grit Basin Plant 2												
Actual/ETC	0	46,600	750,341	8,064,671	4,572,376	0	0	0	0	0	0	0	13,433,988
COMPLIANCE	0	478,341	4,367,889	8,462,122	4,629,698	189,952	0	0	0	0	0	0	18,128,003
<b>2.05.0000</b>	2.05 Oxygenation Trains Plant 1												
Actual/ETC	2,369,847	28,388	168,652	4,886,938	6,868,538	0	0	0	0	0	0	0	14,322,362
COMPLIANCE	2,369,847	28,388	24,371	1,943,159	11,411,025	79,045	0	0	0	0	0	0	15,855,835
<b>2.06.0000</b>	2.06 Oxygenation Trains Plant 2												
Actual/ETC	0	3,694,813	1,737,242	1,271,537	10,329,250	13,738,890	0	0	0	0	0	0	30,771,732
COMPLIANCE	12,317	3,682,496	3,882,462	5,736,219	6,137,270	5,712,439	4,043,028	3,509,411	2,414,078	38,305	0	0	35,168,024
<b>2.07.0000</b>	2.07 Secondary Clarifiers Plant 1												
Actual/ETC	0	0	0	0	1,093,274	306,731	2,519,800	7,523,118	5,119,158	1,765,888	0	0	18,327,969
COMPLIANCE	0	0	0	0	0	0	0	1,250,849	48,748	12,912	4,628,721	14,816,158	20,757,388
<b>2.08.0000</b>	2.08 Secondary Clarifiers Plant 2												
Actual/ETC	0	0	35,812	215,827	1,650,668	4,401,067	8,528,034	7,981,751	4,190,870	3,224,533	0	0	30,228,563
COMPLIANCE	0	0	596,632	1,700,390	90,241	2,479,004	6,444,357	9,778,316	7,539,085	4,494,419	495,822	0	33,618,266
<b>2.09.0000</b>	2.09 Return Sludge PS Plant 1												
Actual/ETC	0	0	0	0	830,660	233,051	1,863,367	5,513,462	3,757,745	1,331,460	0	0	13,529,746
COMPLIANCE	0	0	0	0	0	0	0	120,381	736,083	124,192	3,533,436	11,257,181	15,771,274
<b>2.10.0000</b>	2.10 Return Sludge PS Plant 2												
Actual/ETC	0	0	3,052,582	1,731,864	1,188,506	3,001,688	3,138,867	3,139,808	3,204,065	2,356,347	0	0	20,813,726
COMPLIANCE	0	0	26,134	1,258,073	50,451	1,516,597	3,570,857	5,417,649	4,179,310	2,498,839	277,201	0	18,795,111
<b>2.11.0000</b>	2.11 Effluent Pump Station												
Actual/ETC	0	0	204,915	1,517,229	2,149,517	12,335,631	33,197	0	0	0	0	0	16,240,489
COMPLIANCE	0	0	0	505,634	520,206	3,397,550	12,812,230	229,692	0	0	0	0	17,465,313
<b>2.14.0100</b>	2.14 (1) Digesters Plant 1 - Cluster 1												
Actual/ETC	0	0	0	0	389,875	1,079,228	11,243,954	24,525,136	3,844,466	0	0	0	41,082,659
COMPLIANCE	0	0	0	0	0	0	2,143,218	398,939	0	20,558,426	25,421,751	1,189,397	49,711,731
<b>2.14.0200</b>	2.14 (2) Digesters Plant 1 - Cluster 2												
Actual/ETC	0	0	0	0	737,481	2,529,007	1,383,983	26,232,147	15,335,840	0	0	0	46,218,458
COMPLIANCE	0	0	0	0	0	0	0	709,801	1,832,356	0	5,176,042	44,624,296	52,342,495
<b>2.14.0201</b>	2.14.0201 Digesters Plant 1 Cover Demolition												
Actual/ETC	0	0	400,158	0	0	0	0	0	0	0	0	0	400,158
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

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MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>2.15.0100</b> 2.15 (1 ) Cluster 1													
Actual/ETC	19,267	4,938,450	2,430,229	29,185,647	5,621,536	0	0	0	0	0	0	130,685	42,325,814
COMPLIANCE	19,267	4,968,294	308,178	28,341,849	4,562,016	0	0	0	0	0	0	0	38,199,604
<b>2.15.0101</b> 2.15 (1.1) Digesters Plant 2-Covers DEMO													
Actual/ETC	0	0	378,036	0	0	0	0	0	0	0	0	0	378,036
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2.15.0200</b> 2.15.(2) Cluster 2													
Actual/ETC	0	302,363	1,834,667	2,041,229	29,546,874	18,201,421	0	0	0	0	0	0	51,926,554
COMPLIANCE	0	302,363	1,032,942	0	3,612,923	3,304,419	0	20,217,211	21,462,494	1,081,413	0	0	51,013,766
<b>2.15.0300</b> 2.15.(3) Cluster 3													
Actual/ETC	0	0	95,948	3,079,639	1,155,237	7,199,469	26,043,436	4,531,447	0	0	0	0	42,105,176
COMPLIANCE	0	0	484,641	2,100,110	0	4,370,781	29,607,676	6,396,547	0	0	0	0	42,959,756
<b>2.15.0400</b> 2.15.(4) Cluster 4													
Actual/ETC	0	0	1,550,671	1,472,772	14,136,725	19,606,333	2,361,765	0	0	0	0	0	39,128,266
COMPLIANCE	0	0	0	0	10,382,138	22,241,025	2,001,098	0	0	0	0	0	34,624,261
<b>2.17.0000</b> 2.17 Chlorination Facilities													
Actual/ETC	2,269	343,121	4,419,565	14,055,741	2,436,369	0	0	0	0	0	0	511,163	21,768,228
COMPLIANCE	2,269	343,121	8,984,614	11,060,362	568,862	0	0	0	0	0	0	0	20,959,230
<b>2.18.0100</b> 2.18 (1) Headworks Odor Control Systems (2.03/2.04)													
Actual/ETC	0	0	197,638	3,001,663	1,679,080	0	0	0	0	0	0	0	4,878,380
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2.19.0100</b> 2.19 (1) Co-Gen Generator Replacement													
Actual/ETC	543,672	4,632,017	1,824,311	0	0	0	0	0	0	0	0	0	7,000,000
COMPLIANCE	543,672	4,632,017	1,824,311	0	0	0	0	0	0	0	0	0	7,000,000
<b>2.19.0200</b> 2.19 (2) Co-Gen Biogas Treatment Facilities													
Actual/ETC	0	0	2,656,922	4,696,936	20,489,819	6,243,815	0	0	0	0	0	0	34,087,492
COMPLIANCE	0	0	1,921,442	3,234,775	19,054,543	6,634,341	0	0	0	0	0	0	30,845,101
<b>2.20.0000</b> 2.20 Septage Unloading Station													
Actual/ETC	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2.21.0000</b> 2.21 Pump Station No.1													
Actual/ETC	0	10,812	1,144,441	1,466,917	4,592,728	12,260,397	106,020	0	0	0	0	0	19,581,315
COMPLIANCE	0	10,812	1,000,000	201,415	1,099,127	16,223,035	1,410,377	0	0	0	0	0	19,944,766
<b>2.22.0000</b> 2.22 Pump Station No.2													
Actual/ETC	0	353,742	1,087,807	5,625,868	497,828	0	0	0	0	0	0	0	7,565,244
COMPLIANCE	0	353,742	773,028	8,239,354	569,601	0	0	0	0	0	0	0	9,935,724
<b>2.23.0000</b> 2.23 O2 Plant Process Controls Phase 2													
Actual/ETC	0	184,435	568,198	0	0	0	0	0	0	0	0	364,061	1,116,694
COMPLIANCE	0	184,435	775,098	304,648	0	0	0	0	0	0	0	0	1,264,182
<b>2.24.0000</b> 2.24 Gas Monitoring and Alarms													
Actual/ETC	0	176,759	28,963	890,604	19,935	0	0	0	0	0	0	0	1,116,261
COMPLIANCE	0	176,759	5,935	937,997	12,364	0	0	0	0	0	0	0	1,133,055
<b>2.25.0000</b> 2.25 Ventilation Improvements													
Actual/ETC	0	0	84,212	877,112	1,210,695	1,918,581	1,925,410	1,470,198	1,014,762	987,998	0	0	9,488,968
COMPLIANCE	0	0	0	0	0	0	81,897	389,013	11,923	693,653	6,410,867	2,467,864	10,055,218
<b>2.25.0200</b> 2.25 (2) Headworks Ventilation Improvements (2.03-2.04)													
Actual/ETC	0	0	268	4,041	2,322	0	0	0	0	0	0	0	6,631
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0

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Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>2.26.0000</b> 2.26 Rehabilitation of Walkways and Stairways													
Actual/ETC	45,392	100,967	60,544	388,795	448,534	453,711	409,269	267,269	175,664	118,440	26,031	0	2,494,615
COMPLIANCE	45,392	100,967	234,933	234,292	234,292	234,292	234,933	234,292	234,292	234,292	234,933	700,307	2,957,215
<b>2.27.0000</b> 2.27 Oxygen Production													
Actual/ETC	0	626,176	1,260,978	1,134,398	9,081,960	18,334,659	7,069,550	0	0	0	0	0	37,507,721
COMPLIANCE	0	626,176	436,066	1,847	10,817,985	23,518,315	4,554,231	0	0	0	0	0	39,954,620
<b>2.28.0000</b> 2.28 SCADA RTU Upgrades													
Actual/ETC	242,458	70,940	0	0	0	0	0	0	0	0	0	0	313,397
COMPLIANCE	242,458	70,940	0	0	0	0	0	0	0	0	0	0	313,397
<b>2.29.0000</b> 2.29 High Strength Influent Impact Study													
Actual/ETC	1,026,824	15,257	0	0	0	0	0	0	0	0	0	0	1,042,081
COMPLIANCE	1,026,824	15,257	0	0	0	0	0	0	0	0	0	0	1,042,081
<b>2.30.0000</b> SD-WWTP & CD-WWTP Thickening and Dewatering Facilities													
Actual/ETC	0	410,225	2,053,208	12,245,469	54,286,668	34,243,690	9,878,900	0	0	0	0	0	113,118,160
COMPLIANCE	0	410,225	2,756,272	3,221,721	12,138,211	28,824,838	87,355,228	37,245,855	3,115,786	0	0	0	175,068,136
<b>Area: Area 2 CD-WWTP</b>													
Actual/ETC	4,261,800	17,097,188	37,016,517	113,897,785	180,850,121	158,407,787	78,104,667	81,184,336	36,642,570	9,784,667	26,031	1,465,302	718,738,770
COMPLIANCE	4,274,117	17,114,716	39,120,107	91,859,321	87,228,475	127,597,705	159,707,532	85,915,021	41,591,220	29,753,516	46,195,887	75,083,148	805,440,766

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MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>Area: Area 3 ND-WWTP</b>													
<b>3.01.0000</b>	3.01 Headworks and Sludge Degritting & Transfer												
Actual/ETC	2,053,265	1,578,886	12,548,355	15,593,403	2,902,734	0	0	0	0	0	0	0	34,676,644
COMPLIANCE	2,053,265	1,578,886	7,939,548	16,997,516	6,932,370	29,449	0	0	0	0	0	0	35,531,034
<b>3.02.0000</b>	3.02 Primary Clarifiers and Odor Control												
Actual/ETC	0	490,651	3,871,288	1,889,678	10,091,195	28,059,507	17,343,672	6,137,933	0	0	0	0	67,883,924
COMPLIANCE	0	0	2,951,879	919,438	5,317,488	24,583,266	22,504,370	9,454,304	154,169	0	0	0	65,884,916
<b>3.03.0000</b>	3.03 Oxygenation Trains												
Actual/ETC	0	0	0	0	0	3,560,035	1,053,694	12,384,659	35,577,652	12,875,747	0	0	65,451,788
COMPLIANCE	0	0	0	0	0	83,475	4,503,127	121,900	22,354,339	34,370,978	7,225,070	0	68,658,888
<b>3.04.0000</b>	3.04 Oxygen Production												
Actual/ETC	0	0	0	529,450	754,528	303,230	2,510,703	6,511,900	5,430,797	2,690,392	0	0	18,731,000
COMPLIANCE	0	0	0	85,301	614,584	357,284	7,695	3,617,746	8,129,287	5,408,825	1,436,446	0	19,657,167
<b>3.05.0100</b>	3.05 (1)Secondary Clarifiers (Replace Mechanisims #1-10)												
Actual/ETC	0	3,284,683	11,013,625	4,077,172	0	0	0	0	0	0	0	0	18,375,480
COMPLIANCE	0	3,284,683	16,552,963	2,277,656	415,106	627,534	698,805	1,640,160	721,890	714,729	714,815	2,427,425	30,075,764
<b>3.05.0200</b>	3.05 (2) Secondary Clarifiers (Remaining Scope of Work)												
Actual/ETC	0	0	1,922,413	1,733,582	1,601,116	4,222,898	7,484,089	9,151,120	6,819,454	3,969,122	3,523,757	0	40,427,550
COMPLIANCE	0	0	1,904,168	1,573,453	296,565	0	0	0	3,972,076	8,577,754	17,075,834	37,833,194	71,233,044
<b>3.06.0000</b>	3.06 Disinfection												
Actual/ETC	4,978,742	304,946	1,473,060	1,226,375	19,146,635	9,649,540	0	0	0	0	0	0	36,779,298
COMPLIANCE	4,978,742	304,946	86,179	70,042	8,084	8,059,977	24,294,510	1,309,125	0	0	0	0	39,111,607
<b>3.07.0100</b>	3.07 (1) Deep Injection Well Pump Station												
Actual/ETC	80,531	3,112,524	1,596,007	2,804,136	1,139,698	0	0	0	0	0	0	-11,620	8,721,277
COMPLIANCE	80,531	3,112,524	3,527,347	4,335,553	2,656,632	753,225	10,728	0	0	0	0	0	14,476,540
<b>3.08.0000</b>	3.08 Plant Wide Electrical												
Actual/ETC	45,999	233,692	225,243	869,957	1,464,068	1,520,285	1,172,604	839,027	829,837	0	0	103,249	7,303,960
COMPLIANCE	45,999	233,692	428,956	731,434	1,312,284	1,510,258	1,422,685	1,270,836	1,167,365	0	0	0	8,123,509
<b>3.09.0000</b>	3.09 Flood Mitigation												
Actual/ETC	58,505	525,050	536,106	24,139	0	0	0	0	0	0	0	0	1,143,799
COMPLIANCE	58,505	525,050	372,404	284,617	0	0	0	0	0	0	0	0	1,240,577
<b>3.10.0000</b>	3.10 Yard Piping Replacement												
Actual/ETC	0	0	1,222,641	0	0	0	0	0	0	0	0	0	1,222,641
COMPLIANCE	0	0	101,765	187,438	262,893	263,486	227,714	234,392	78,895	4,105	9,297	54,932	1,424,917
<b>3.11.0000</b>	3.11 SCADA RTU Upgrades												
Actual/ETC	777,721	113,867	0	0	0	0	0	0	0	0	0	0	891,588
COMPLIANCE	777,721	113,867	0	0	0	0	0	0	0	0	0	0	891,588
<b>Area: Area 3 ND-WWTP</b>													
Actual/ETC	7,994,763	9,644,299	34,408,739	28,747,891	37,099,974	47,315,494	29,564,761	35,024,640	48,657,740	19,535,262	3,523,757	91,629	301,608,949
COMPLIANCE	7,994,763	9,153,649	33,865,210	27,462,447	17,816,008	36,267,953	53,669,634	17,648,463	36,578,021	49,076,390	26,461,460	40,315,551	356,309,549

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Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>Area: Area 4 WCTS</b>													
<b>4.01.0100</b>	4.01.0100 Collection System I/I Repairs PMCM CIPP I/I Repairs												
Actual/ETC	0	0	3,307,172	6,351,448	4,821,384	4,821,384	4,834,593	4,821,384	4,821,384	4,821,384	4,834,593	0	43,434,726
COMPLIANCE	0	0	2,964,297	5,173,085	5,173,085	5,173,085	5,187,258	5,173,085	5,173,085	5,173,085	1,295,864	2,948,796	43,434,726
<b>4.01.0101</b>	4.01.0101 Collection System I/I Repairs PMCM Dig & Replace I/I Repairs												
Actual/ETC	0	0	5,648,891	11,458,042	3,755,040	3,755,040	3,765,327	3,755,040	3,755,040	3,755,040	3,755,040	0	43,402,498
COMPLIANCE	0	0	5,264,445	4,925,406	4,925,406	4,925,406	4,938,900	4,925,406	4,925,406	4,925,406	1,225,727	2,453,218	43,434,726
<b>4.01.0300</b>	4.01.0300 Collection System I/I Repairs MDWASD Construction Management Team I/I Repairs												
Actual/ETC	50,432	5,116,016	5,564,570	15,173,534	2,886,022	2,886,022	2,893,929	2,886,022	2,886,022	2,886,022	711,622	0	43,940,213
COMPLIANCE	0	5,166,448	10,419,586	3,594,684	3,594,684	3,594,684	3,604,533	3,594,684	3,594,684	3,594,684	995,825	0	41,754,497
<b>4.02.0000</b>	CD Budget- 4.02 (1) Government Cut FM - Phase 1&2- CD Budget												
Actual/ETC	35,087,567	99,433	0	0	0	0	0	0	0	0	0	0	35,187,000
COMPLIANCE	35,087,567	99,433	0	0	0	0	0	0	0	0	0	0	35,187,000
<b>4.03.0000</b>	4.03 Government Cut FM - Phase 3												
Actual/ETC	11,075,071	24,725,429	52,834,612	1,374,226	0	0	0	0	0	0	0	0	90,009,338
COMPLIANCE	11,075,071	24,725,429	51,979,802	5,031,990	89,865	0	0	0	0	0	0	0	92,902,157
<b>4.04.0000</b>	4.04 North Dade 72 inch PCCP FM Rehabilitation												
Actual/ETC	1,390,702	938,697	17,127,994	0	0	0	0	0	0	0	0	2,528,539	21,985,933
COMPLIANCE	1,390,702	938,697	19,582,376	1,076,893	0	0	0	0	0	0	0	0	22,988,668
<b>4.05.0100</b>	4.05 (1) Install New 60/54/48 Inch FM in SW 232nd St. and SW 127 Ave. Install 10,560 LF of 54-in an												
Actual/ETC	0	745,987	3,383,632	41,486,230	6,055,969	0	0	0	0	0	0	0	51,671,817
COMPLIANCE	0	745,987	2,116,735	54,223,276	17,291,171	0	0	0	0	0	0	0	74,377,169
<b>4.06.0000</b>	4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave												
Actual/ETC	604,872	0	0	0	0	0	0	0	0	0	0	0	604,872
COMPLIANCE	604,872	0	0	0	0	0	0	0	0	0	0	0	604,872
<b>4.07.0000</b>	4.07 Replacement of 18 inch DIP FM in Miami Lakes												
Actual/ETC	45,542	580,064	327,965	0	0	0	0	0	0	0	0	155,358	1,108,929
COMPLIANCE	45,542	580,064	568,502	311,986	2,762	0	0	0	0	0	0	0	1,508,856
<b>4.08.0100</b>	4.08(1) Rehabilitation of 2 54 inch PCCP FM in the City Phase 1												
Actual/ETC	0	260,786	2,203,342	14,868,852	0	0	0	0	0	0	0	59,925	17,392,904
COMPLIANCE	0	260,786	6,832,653	10,819,135	84,936	0	0	0	0	0	0	0	17,997,510
<b>4.08.0200</b>	4.08(2) Rehabilitation of 54 inch PCCP FM in the City Phase 2												
Actual/ETC	0	0	299,469	6,828,610	9,135,387	0	0	0	0	0	0	0	16,263,465
COMPLIANCE	0	0	0	1,520,228	8,233,766	6,633,354	114,373	0	0	0	0	0	16,501,721
<b>4.09.0100</b>	4.09 (1) Replacement of 2,757 LF of 12" ACP FM - SW 112th Ave. from 112th to 104th St.												
Actual/ETC	0	0	5,047	9,546	97,088	26,680	0	0	0	0	0	0	138,361
COMPLIANCE	0	0	0	7,835	1,219	129,674	10,195	0	0	0	0	0	148,923
<b>4.09.0200</b>	4.09 (2) Replacement of 2,200 LF of 12" ACP FM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.												
Actual/ETC	31,304	73,951	309,656	487,722	0	0	0	0	0	0	0	15,245	917,878
COMPLIANCE	31,304	73,951	0	0	275	626,605	53,970	0	0	0	0	0	786,104
<b>4.09.0300</b>	4.09 (3-8) REPLACEMENT OF FORCE MAIN FROM PUMP STATION NO. 0356 TO NW 183RD ST AND 52ND AVE.												
Actual/ETC	980,422	101,773	9,177	0	0	0	0	0	0	0	0	0	1,091,371
COMPLIANCE	980,422	101,773	117,586	5,373	0	0	0	0	0	0	0	0	1,205,154
<b>4.09.0600</b>	4.09 (6-7) Replace 276LF of 6" ACP FM from PS #0362 to NW52nd Ct. and 190th St. & 400LF 10" to 189th												
Actual/ETC	0	6,052	15,582	43,932	0	0	0	0	0	0	0	2,011	67,577
COMPLIANCE	0	6,052	0	0	0	52,763	4,021	0	0	0	0	0	62,837

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<b>4.09.0900</b>	4.09 (9-13) Replacement of 6, 8 and 12" ACP FM Between PS#0385, PS#0374 and NW 119th St./37th Ave.												
Actual/ETC	137,985	898,603	147,496	0	0	0	0	0	0	0	0	0	1,184,084
COMPLIANCE	137,985	898,603	237,246	15,214	0	0	0	0	0	0	0	0	1,289,048
<b>4.09.1400</b>	4.09 (14-19) Replacement of 6, 8 & 10" ACP FM Around PS#0376, 0427, 0375, 0377 and 0368												
Actual/ETC	155,661	875,778	59,730	0	0	0	0	0	0	0	0	0	1,091,169
COMPLIANCE	155,661	875,778	119,225	7,784	0	0	0	0	0	0	0	0	1,158,447
<b>4.09.2000</b>	4.09 (20-21) Replace 467LF 8" ACP FM from PS#0366 to NW42ndPI/199thTer. & 1792LF 10" - 39thCt/199th S												
Actual/ETC	0	91,161	281,903	848,031	0	0	0	0	0	0	0	3	1,221,097
COMPLIANCE	0	91,161	0	0	343	1,005,830	72,544	0	0	0	0	0	1,169,878
<b>4.09.2200</b>	4.09 (22) Replacement of 2,056 LF of 6" ACP FM from PS#358 to PS#0352												
Actual/ETC	0	59,585	178,606	591,973	0	0	0	0	0	0	0	0	830,165
COMPLIANCE	0	59,585	0	0	0	496,497	32,691	0	0	0	0	0	588,773
<b>4.09.2300</b>	4.09 (23) Replacment of 11,027 LF of 8" ACP FM from PS#1022 ro PS#1072												
Actual/ETC	0	0	10,313	456,773	276,243	0	0	0	0	0	0	58,537	801,866
COMPLIANCE	0	0	0	2,555	93,231	736,330	45,089	0	0	0	0	0	877,204
<b>4.09.2400</b>	4.09 (24) Replacement of 800 LF of 8" ACP FM from PS#0353 to NW 48th Ct												
Actual/ETC	0	641	123,918	195,626	0	0	0	0	0	0	0	1,823	322,008
COMPLIANCE	0	641	4,326	4,586	2,934	192,714	18,684	0	0	0	0	0	223,885
<b>4.09.2500</b>	4.09 (25-26) Replacement of 1425 LF of 10" ACP FM from NW123rd Dr/52nd Ave. to NW 178th Ter/52nd Ave												
Actual/ETC	0	37,851	108,702	304,913	0	0	0	0	0	0	0	0	451,466
COMPLIANCE	0	37,851	0	0	0	555,354	46,886	0	0	0	0	0	640,091
<b>4.09.2700</b>	4.09 (27) Replace 310 LF of 4" ACP FM in SW 149th Ter from SW 89th Ave. to PVT PS Property												
Actual/ETC	0	0	66,621	9,462	0	0	0	0	0	0	0	0	76,083
COMPLIANCE	0	0	0	0	4,572	71,384	5,678	0	0	0	0	0	81,634
<b>4.09.2800</b>	4.09 (28) Replacement of 1,610 LF of 8" ACP FM from PS0786 to MH 5 at PS#0785												
Actual/ETC	0	0	1,491	1,844	23,424	2,752	0	0	0	0	0	0	29,512
COMPLIANCE	0	0	0	93	1,826	27,747	2,291	0	0	0	0	0	31,958
<b>4.09.2900</b>	4.09 (29-31) Replace 12" & 10" ACP FM BTW PS#0812 & SW 102nd and 12" BTW SW107th Ave & 102nd PI												
Actual/ETC	2,168	86,339	97,561	1,346,345	1,005,612	0	0	0	0	0	0	0	2,538,026
COMPLIANCE	2,168	86,339	56,861	41,708	511,429	1,969,790	138,479	0	0	0	0	0	2,806,775
<b>4.09.3200</b>	4.09 (32) Replacement of 851 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd												
Actual/ETC	0	34,065	151,587	312,666	0	0	0	0	0	0	0	0	498,318
COMPLIANCE	0	34,065	0	0	0	471,074	44,973	0	0	0	0	0	550,112
<b>4.09.3300</b>	4.09 (33) Replace 1266 LF 4" ACP FM from PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.												
Actual/ETC	0	0	32,281	86,130	0	0	0	0	0	0	0	0	118,411
COMPLIANCE	0	0	0	0	6,728	105,321	8,802	0	0	0	0	0	120,851
<b>4.09.3400</b>	4.09 (34) PCTS 13182, 13184, 13189 REPLACE 4-IN, 6-IN, 8-IN, 10-IN AND 12-IN ACP FMS												
Actual/ETC	0	0	107,152	251,352	2,405,650	1,711,458	0	0	0	0	0	0	4,475,611
COMPLIANCE	0	0	31,916	105,711	1,355,981	1,806,588	147,839	0	0	0	0	0	3,448,034
<b>4.09.4400</b>	4.09 (44-45) Replacement of 1200 LF of 8" ACP FM from PS#0810 to SW118th PI and 72nd St.												
Actual/ETC	0	0	603	1,179	22,622	4,092	0	0	0	0	0	0	28,496
COMPLIANCE	0	0	0	904	1,019	26,678	2,281	0	0	0	0	0	30,882
<b>4.09.4600</b>	4.09 (46) Replacement of 140 LF of 6" ACP FM from SW107th Ct/155th St to SW 107th Ave./155th St.												
Actual/ETC	0	0	17,733	258,626	86,912	0	0	0	0	0	0	0	363,271
COMPLIANCE	0	0	0	0	15,699	233,674	23,505	0	0	0	0	0	272,878
<b>4.09.4700</b>	4.09 (47) Replacement of 973 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.												
Actual/ETC	0	34,910	165,318	298,973	0	0	0	0	0	0	0	0	499,202
COMPLIANCE	0	34,910	0	0	0	426,787	39,206	0	0	0	0	0	500,903

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<b>4.09.4800</b> 4.09 (48) Replacement of 1,822 LF of 10" ACP FM from PS#1017 to SW 123rd Pl/268th St.													
Actual/ETC	0	0	315,791	347,209	2,139,635	1,421,848	1,387	0	0	0	0	0	4,225,870
COMPLIANCE	0	0	36,244	140,406	1,692,795	2,272,096	191,932	0	0	0	0	0	4,333,472
<b>4.09.5400</b> 4.09 (54-56) Replace 5043LF of 12" ACP FM - SW 72nd St from 137th to 147th Ave & 2451LF 8" to PS#086													
Actual/ETC	0	0	299	2,625	10,432	16,884	0	0	0	0	0	0	30,240
COMPLIANCE	0	0	692	1,137	5,794	22,285	1,577	0	0	0	0	0	31,484
<b>4.09.5700</b> 4.09 (57-59) Replace 1441LF 8", 2101LF 10" & 776LF 12" ACP FM - Kendale Lakes Blvd, SW 142nd-137th Av													
Actual/ETC	0	0	329	2,636	17,049	30,388	0	0	0	0	0	0	50,403
COMPLIANCE	0	0	1,153	1,894	9,656	37,143	2,629	0	0	0	0	0	52,476
<b>4.09.6000</b> 4.09 (60-62) Replace 1420LF 8" ACP FM (PS#1013 - PS#1012), 2213LF 10" (SW144th/SW 280th St), 958LF 8													
Actual/ETC	0	0	0	117,983	704,053	685,687	0	0	0	0	0	0	1,507,724
COMPLIANCE	0	0	0	26,301	350,939	1,122,109	79,875	0	0	0	0	0	1,579,224
<b>4.09.6400</b> 4.09 (64) Replacement of 1,236 LF of 6" ACP FM Along SW 296th St. from PS#1009 to 147th Ave.													
Actual/ETC	0	0	0	2,444	16,831	9,113	0	0	0	0	0	0	28,388
COMPLIANCE	0	0	0	848	932	25,734	2,125	0	0	0	0	0	29,639
<b>4.09.6500</b> 4.09 (65) Replacement of 1,819 LF of 6" ACP FM from PS#1002 to SW 152nd Ave. and 304th St.													
Actual/ETC	0	0	13,721	256,998	339,782	0	0	0	0	0	0	0	610,501
COMPLIANCE	0	0	0	0	42,127	659,389	55,211	0	0	0	0	0	756,727
<b>4.09.6600</b> 4.09 (66) Replacement 2,989 LF of 8" ACP FM from PS#1002 to SW 152nd and 304th St.													
Actual/ETC	0	0	0	7,162	68,567	0	0	0	0	0	0	0	75,729
COMPLIANCE	0	0	0	0	4,534	70,833	5,643	0	0	0	0	0	81,010
<b>4.09.6700</b> 4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132 Along Bikini Blvd to MH5 in Hanger Rd													
Actual/ETC	1,222	12,262	54,764	468,266	207,172	0	0	0	0	0	0	10,477	754,162
COMPLIANCE	1,222	35,971	19,903	15,424	48,798	640,481	43,905	0	0	0	0	0	805,705
<b>4.09.6800</b> 4.09 (68) Replacement of 3,400 LF of 6" and 8" ACP FM, from PS#0364 to NW 199th St./42nd Ave.													
Actual/ETC	14,503	61,636	166,139	834,720	0	0	0	0	0	0	0	2,683	1,079,681
COMPLIANCE	14,503	61,636	0	0	3,278	984,138	68,000	0	0	0	0	0	1,131,556
<b>4.09.6900</b> 4.09 (69) Replacement of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.													
Actual/ETC	0	71,449	196,162	775,968	0	0	0	0	0	0	0	0	1,043,578
COMPLIANCE	0	71,449	0	0	192	783,816	56,575	0	0	0	0	0	912,032
<b>4.09.7000</b> 4.09 (70) Replace 8,000 LF of 10" ACP FM Along US-1 from 184th St. to Caribbean Blvd.													
Actual/ETC	1,086	8,727	8,977	27,603	441,145	0	0	0	0	0	0	0	487,539
COMPLIANCE	1,086	8,727	0	0	7,377	2,332,738	282,499	0	0	0	0	0	2,632,428
<b>4.09.7100</b> 4.09 (71) Replace 10" ACP FM from PS#0445, West to NW 207th St. and 30th Ave.													
Actual/ETC	1,986	23,994	48,557	252,454	393,909	17,701	0	0	0	0	0	0	738,601
COMPLIANCE	1,986	23,994	13,709	6,761	145,743	546,692	39,058	0	0	0	0	0	777,943
<b>4.09.7200</b> 4.09 (72) Replace 9,045 LF of 8", 12" and 16" ACP FM from PS#0891 to SW 108th St.-127th Ave.-88th St													
Actual/ETC	0	0	171,174	1,926,550	1,443,548	0	0	0	0	0	0	0	3,541,273
COMPLIANCE	0	0	218,796	15,058	1,274,798	2,031,260	167,375	0	0	0	0	0	3,707,288
<b>4.09.7300</b> 4.09 (73) Replacement of 10" FM from PS#0735 and Private PS South of SW 152nd St. & W of U.S.1													
Actual/ETC	0	115,577	336,429	2,059,658	1,547,381	0	0	0	0	0	0	0	4,059,045
COMPLIANCE	0	115,577	203,847	156,825	640,477	2,866,105	207,769	0	0	0	0	0	4,190,601
<b>4.10.0100</b> 4.10(1) Opa-Locka Airport 48" PCCP FM Rehab													
Actual/ETC	0	0	344,864	4,677,748	0	0	0	0	0	0	0	0	5,022,613
COMPLIANCE	0	0	343,200	1,125,318	4,140,170	0	0	0	0	0	0	0	5,608,688
<b>4.10.0200</b> 4.10 (2) Opa-Locka Airport 48" PCCP FM Replacement													
Actual/ETC	0	0	1,551,791	16,710,931	3,563,125	0	0	0	0	0	0	0	21,825,847
COMPLIANCE	0	0	1,967,402	21,593,280	6,372,430	0	0	0	0	0	0	0	29,933,112

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<b>4.10.0300</b> 4.10 (3) Install 1,550 LF of 16" DI FM Along NW 159 ST Between 57 AV and 54 AV													
Actual/ETC	0	0	73,813	871,117	112,708	0	0	0	0	0	0	0	1,057,638
COMPLIANCE	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Area: Area 4 WCTS</b>													
Actual/ETC	49,580,525	35,060,766	95,870,936	132,388,107	41,576,688	15,389,050	11,495,237	11,462,446	11,462,446	11,462,446	9,301,255	2,834,599	427,884,500
COMPLIANCE	49,530,092	35,134,908	103,100,504	109,951,696	56,130,971	43,656,156	15,746,370	13,693,176	13,693,176	13,693,176	3,517,416	5,402,014	463,249,652

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Cost in

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<b>Area: Area 5 SPSS</b>													
<b>5.01.0000</b>	5.01 Upgrade of PS#0418												
Actual/ETC	1,099,594	88,939	1,850,716	11,554,849	5,446,744	0	0	0	0	0	0	0	20,040,842
COMPLIANCE	1,099,594	88,939	1,371,921	7,673,861	8,292,162	1,946,991	0	0	0	0	0	0	20,473,469
<b>5.02.0000</b>	5.02 Upgrade of PS#0691												
Actual/ETC	0	83,231	292,344	443,831	3,131,504	286,298	0	0	0	0	0	0	4,237,208
COMPLIANCE	0	83,231	359,525	366,401	2,938,572	789,573	0	0	0	0	0	0	4,537,301
<b>5.03.0000</b>	5.03 Upgrade of PS#0692												
Actual/ETC	4,847	417,297	902,172	2,323,955	8,013,818	1,945,074	0	0	0	0	0	0	13,607,164
COMPLIANCE	4,847	417,297	632,724	770,792	9,224,351	2,805,137	0	0	0	0	0	0	13,855,150
<b>5.04.0000</b>	5.04 Replacement of Switchgear PS#0414												
Actual/ETC	0	37,383	807,262	3,450,987	3,396,180	0	0	0	0	0	0	0	7,691,811
COMPLIANCE	0	37,383	1,121,697	2,718,756	3,679,073	86,657	0	0	0	0	0	0	7,643,567
<b>5.05.0000</b>	5.05 Replacement of Switchgear and Rehabilitation of Wetwell PS#0415												
Actual/ETC	0	36,744	820,482	945,761	5,531,654	1,544,273	0	0	0	0	0	0	8,878,913
COMPLIANCE	0	36,744	672,340	642,707	7,641,456	1,928,195	0	0	0	0	0	0	10,921,443
<b>5.06.0000</b>	5.06 Replacement of Switchgear PS#0416												
Actual/ETC	0	0	828,566	2,924,283	2,967,739	0	0	0	0	0	0	0	6,720,588
COMPLIANCE	0	0	357,189	2,337,570	2,895,743	60,304	0	0	0	0	0	0	5,650,807
<b>5.07.0000</b>	5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#0417												
Actual/ETC	0	37,273	784,724	655,266	2,980,345	852,637	0	0	0	0	0	0	5,310,245
COMPLIANCE	0	37,273	399,316	452,271	4,776,403	1,793,967	0	0	0	0	0	0	7,459,230
<b>5.08.0000</b>	5.08 Replacement of Electrical and Mechanical Equipment in PS#0107												
Actual/ETC	0	30,718	197,669	1,308,794	266,216	0	0	0	0	0	0	0	1,803,398
COMPLIANCE	0	30,718	46,155	7,182	1,694,497	921,640	0	0	0	0	0	0	2,700,192
<b>5.09.0000</b>	5.09 Replacement of Pumping and Electrical Equipment at PS#0301												
Actual/ETC	0	144,122	870,039	5,038,252	4,826,928	983,193	703,044	0	0	0	0	0	12,565,578
COMPLIANCE	0	144,122	565,316	2,265,174	2,031,006	47,919	0	0	0	0	0	0	5,053,537
<b>5.10.0000</b>	5.10 Upgrade of PS#0488												
Actual/ETC	0	52,310	404,224	461,488	0	0	0	0	0	0	0	0	918,022
COMPLIANCE	0	52,310	18,149	343,871	589,891	12,671	0	0	0	0	0	0	1,016,892
<b>5.11.0000</b>	5.11 Installation of 60 inch FM from Kendall Dr to PS#0536												
Actual/ETC	0	0	208,007	1,586,268	789,912	0	0	0	0	0	0	0	2,584,187
COMPLIANCE	0	0	157,588	674,334	1,714,697	32,631	0	0	0	0	0	0	2,579,250
<b>5.12.0000</b>	5.12 Replacement of Switchgear at PS#0187												
Actual/ETC	0	266,299	691,173	8,263,738	3,860,614	0	0	0	0	0	0	0	13,081,824
COMPLIANCE	0	266,299	1,503,127	9,242,355	4,784,508	166,547	0	0	0	0	0	0	15,962,836
<b>5.13.0000</b>	5.13 Refurbish Emergency Generators and Controls at Regional Pump Stations												
Actual/ETC	0	278,259	201,270	0	0	0	0	0	0	0	0	0	479,529
COMPLIANCE	0	278,259	250,800	29,002	0	0	0	0	0	0	0	0	558,061
<b>5.14.0100</b>	5.14 (1) RPQ T1537 PUMP STATION 0086 COMPLIANCE PROJECT												
Actual/ETC	576,797	0	0	0	0	0	0	0	0	0	0	0	576,797
COMPLIANCE	576,797	0	0	0	0	0	0	0	0	0	0	0	576,797
<b>5.14.0200</b>	5.14 (2) RPQ T1665 UPGRADE SEWAGE PUMP STATION No. 492												
Actual/ETC	640,167	0	0	0	0	0	0	0	0	0	0	0	640,167
COMPLIANCE	640,167	0	0	0	0	0	0	0	0	0	0	0	640,167

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<b>5.15.0100</b> 5.15 (1) Pump Station 0065 Compliance Project													
Actual/ETC	45,420	121,541	807,859	0	0	0	0	0	0	0	0	0	974,821
COMPLIANCE	45,420	121,541	1,101,604	0	0	0	0	0	0	0	0	0	1,268,565
<b>5.15.0101</b> 5.15 (1.1) FM for PS 0065 Phase 1													
Actual/ETC	0	116,897	747,820	0	0	0	0	0	0	0	0	0	864,718
COMPLIANCE	0	116,897	1,005,749	0	0	0	0	0	0	0	0	0	1,122,646
<b>5.15.0200</b> 5.15 (2) Pump Station 0201 Compliance Project													
Actual/ETC	13,185	311,110	131,499	0	0	0	0	0	0	0	0	6,338	462,132
COMPLIANCE	13,185	311,110	44,209	3,016	0	0	0	0	0	0	0	0	371,520
<b>5.15.0300</b> 5.15 (3) Pump Station 0334 Compliance Project													
Actual/ETC	36,294	151,014	540,336	0	0	0	0	0	0	0	0	86,614	814,259
COMPLIANCE	36,294	151,157	648,798	0	0	0	0	0	0	0	0	0	836,249
<b>5.15.0301</b> 5.15 (3.1) FM for Pump Station 0334													
Actual/ETC	0	405,279	71,412	0	0	0	0	0	0	0	0	0	476,692
COMPLIANCE	0	405,279	222,239	12,978	0	0	0	0	0	0	0	0	640,496
<b>5.15.0400</b> 5.15 (4) Pump Station 0374 Upgrade													
Actual/ETC	6,752	0	0	0	0	0	0	0	0	0	0	0	6,752
COMPLIANCE	6,752	0	0	0	0	0	0	0	0	0	0	0	6,752
<b>5.15.0401</b> 5.15 (4.1) Pump Station 0374 FM Installation													
Actual/ETC	13,645	0	0	0	0	0	0	0	0	0	0	0	13,645
COMPLIANCE	13,645	0	0	0	0	0	0	0	0	0	0	0	13,645
<b>5.15.0500</b> 5.15 (5) Pump Station 0607 Compliance Project													
Actual/ETC	67,132	317,584	488,893	0	0	0	0	0	0	0	0	0	873,610
COMPLIANCE	67,132	317,441	529,256	0	0	0	0	0	0	0	0	0	913,829
<b>5.16.0100</b> 5.16 (1) Pump Station 0198 Compliance Project (I/I Work)													
Actual/ETC	0	55,508	506,398	1,028,285	0	0	0	0	0	0	0	0	1,590,192
COMPLIANCE	0	55,508	571,694	596,798	0	0	0	0	0	0	0	0	1,224,001
<b>5.16.0200</b> 5.16 (2) Pump Station No. 0437 Upgrade													
Actual/ETC	0	65,071	294,469	549,648	0	0	0	0	0	0	0	0	909,188
COMPLIANCE	0	65,071	596,422	630,824	0	0	0	0	0	0	0	0	1,292,317
<b>5.16.0300</b> 5.16 (3) Pump Station 0466 Compliance Project													
Actual/ETC	0	0	129,026	468,089	0	0	0	0	0	0	0	0	597,115
COMPLIANCE	0	0	744,094	1,055,460	0	0	0	0	0	0	0	0	1,799,554
<b>5.16.0400</b> 5.16 (4) Pump Station 0680 Upgrade													
Actual/ETC	0	57,704	204,136	620,715	0	0	0	0	0	0	0	0	882,556
COMPLIANCE	0	57,704	481,277	497,747	0	0	0	0	0	0	0	0	1,036,728
<b>5.17.0100</b> 5.17 (1) Pump Station 0037 Compliance Project													
Actual/ETC	0	0	164,473	642,694	876,046	0	0	0	0	0	0	0	1,683,213
COMPLIANCE	0	0	442,250	4,309,534	2,822,078	0	0	0	0	0	0	0	7,573,863
<b>5.17.0200</b> 5.17 (2) Pump Station No. 0351 Upgrade													
Actual/ETC	0	0	133,098	1,072,686	288,862	0	0	0	0	0	0	0	1,494,646
COMPLIANCE	0	0	443,808	477,132	352,287	0	0	0	0	0	0	0	1,273,227
<b>5.17.0300</b> 5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM													
Actual/ETC	0	0	118,214	518,909	657,476	0	0	0	0	0	0	0	1,294,599
COMPLIANCE	0	0	44,734	430,273	277,289	0	0	0	0	0	0	0	752,296
<b>5.17.0400</b> 5.17 (4) Pump Station 0403 Upgrade													
Actual/ETC	0	0	113,942	398,297	826,409	0	0	0	0	0	0	0	1,338,647
COMPLIANCE	0	0	39,650	381,368	245,773	0	0	0	0	0	0	0	666,792

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

EAC vs. Compliance

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>5.18.0100</b> 5.18 (1) Pump Station 0441 Upgrade													
Actual/ETC	0	0	0	75,784	639,310	110,865	0	0	0	0	0	0	825,959
COMPLIANCE	0	0	0	48,292	486,954	306,680	0	0	0	0	0	0	841,926
<b>5.18.0200</b> 5.18 (2) Pump Station 0491 Compliance Project													
Actual/ETC	0	0	0	54,173	695,827	176,535	0	0	0	0	0	0	926,535
COMPLIANCE	0	0	0	54,173	546,250	344,023	0	0	0	0	0	0	944,446
<b>5.18.0300</b> 5.18 (3) Pump Station 0710 Compliance Project													
Actual/ETC	0	0	0	110,181	864,453	226,205	0	0	0	0	0	0	1,200,839
COMPLIANCE	0	0	0	70,211	707,968	445,872	0	0	0	0	0	0	1,224,051
<b>5.18.0400</b> 5.18 (4) Pump Station 0827 Compliance Project													
Actual/ETC	0	0	4,097	108,270	787,277	207,728	0	0	0	0	0	0	1,107,372
COMPLIANCE	0	0	0	64,746	652,864	411,168	0	0	0	0	0	0	1,128,778
<b>5.18.0500</b> 5.18 (5) Pump Station 0852 Compliance Project													
Actual/ETC	0	0	0	92,749	727,692	190,418	0	0	0	0	0	0	1,010,859
COMPLIANCE	0	0	0	59,103	854,595	116,703	0	0	0	0	0	0	1,030,401
<b>5.18.0600</b> 5.18 (6) Pump Station 1236 Compliance Project													
Actual/ETC	0	0	0	563,985	848,538	238,924	0	0	0	0	0	0	1,651,447
COMPLIANCE	0	0	0	510,754	690,730	481,673	0	0	0	0	0	0	1,683,157
<b>5.19.0000</b> 5.19 SCADA RTU Upgrades													
Actual/ETC	2,567,113	1,730,867	387,182	0	0	0	0	0	0	0	0	6,789	4,691,952
COMPLIANCE	2,567,113	1,730,867	672,223	0	0	0	0	0	0	0	0	0	4,970,204
<b>Area: Area 5 SPSS</b>													
Actual/ETC	5,070,949	4,805,152	13,701,505	45,261,938	48,423,544	6,762,149	703,044	0	0	0	0	99,741	124,828,021
COMPLIANCE	5,070,949	4,805,152	15,043,854	36,726,688	57,899,148	12,698,352	0	0	0	0	0	0	132,244,141

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

EAC vs. Compliance

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>Area: Area 6 SEP</b>													
<b>6.00.0000</b>													
Actual/ETC	0	93,254	363,688	373,769	2,501,694	159,781	0	0	0	0	0	0	3,492,187
COMPLIANCE	0	93,254	365,720	361,221	2,294,380	429,787	0	0	0	0	0	0	3,544,363
<b>6.01.0000</b>	<b>6.01 SEP - C6 MIAMI CANAL - SEWER IMPROVEMENTS (WASD BASIN 0086)</b>												
Actual/ETC	0	34,068	636,215	26,914	0	0	0	0	0	0	0	0	697,197
COMPLIANCE	0	34,068	678,820	23,796	0	0	0	0	0	0	0	0	736,684
<b>Area: Area 6 SEP</b>													
Actual/ETC	0	127,322	999,904	400,683	2,501,694	159,781	0	0	0	0	0	0	4,189,383
COMPLIANCE	0	127,322	1,044,540	385,017	2,294,380	429,787	0	0	0	0	0	0	4,281,047

CONSENT DECREE PROGRAM MIAMI-DADE WATER AND SEWER DEPARTMENT

EAC vs. Compliance

Reporting Period 22: Ending Jun '16

\*\*\*PRELIMINARY\*\*\*

MIAMI-DADE WATER AND SEWER DEPARTMENT

Cost in

	Historical	Hist-FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	Remain	Total
<b>Area: PMCM- Program Management/ Construction Management</b>													
<b>9.00.0000 Construction Management-Program Management</b>													
Actual/ETC	0	16,593,680	19,294,079	25,447,561	23,597,218	20,122,893	18,886,230	17,017,468	16,648,107	11,611,765	0	232,032	169,451,031
COMPLIANCE	0	16,309,282	20,511,310	20,255,253	18,404,910	14,930,585	13,693,922	11,825,160	11,455,799	11,338,430	9,536,490	31,889,928	180,151,068
<b>Area: PMCM- Program Management/ Construction Management</b>													
Actual/ETC	0	16,593,680	19,294,079	25,447,561	23,597,218	20,122,893	18,886,230	17,017,468	16,648,107	11,611,765	0	232,032	169,451,031
COMPLIANCE	0	16,309,282	20,511,310	20,255,253	18,404,910	14,930,585	13,693,922	11,825,160	11,455,799	11,338,430	9,536,490	31,889,928	180,151,068
<b>Report Totals</b>													
Actual/ETC	66,908,842	88,345,996	215,311,724	379,122,151	413,298,522	344,772,435	210,162,398	183,771,471	125,251,453	56,021,039	12,851,043	5,674,604	2,101,491,677
COMPLIANCE	66,870,726	87,662,618	222,006,909	305,500,272	303,339,586	308,745,359	305,803,543	187,567,721	140,973,613	111,163,052	93,291,796	163,876,046	2,296,801,243