

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for March 2019

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Total Cost Estimate (Baseline)	Consent Decree Total Cost Estimate (Current)	Project Phase	Phase % Complete	Actual Compliance Date	Regulatory Compliance Date	Remarks
South District WWTP	1.1	Headworks	728,343	2,532,525	Procurement	63%		2/23/2020	
	1.2	Oxygen Production	7,549,529	19,856,695	Construction	5%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	10,770,763	Procurement	29%		11/16/2025	
	1.4	Chlorine Building	2,520,707	3,825,813	Design	64%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	49,186,049	Construction	26%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	40,891,591	Procurement	43%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	136,475,329	Construction	15%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	43,472,352	Procurement	43%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,389,855	Construction	84%		5/24/2019	
	1.10	Odor Control	8,130,067	23,824,449	Design	15%		4/25/2023	
	1.11	General Electrical	12,165,144	14,437,792	Procurement	54%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,260,978	Procurement	46%		6/18/2021	
Subtotal:			154,476,069	358,924,190					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,648,921	Construction	37%		6/14/2021	
	2.2	Building improvements	5,673,576	5,933,702	Procurement	90%		9/26/2019	
	2.3	Headworks Plant 1	20,637,859	16,830,038	Construction	95%		3/16/2019	
	2.4	Headworks Plant 2	20,891,336	9,307,930	Construction	85%		8/23/2019	
	2.5	Oxygenation Trains Plant 1	6,882,836	5,511,941	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	16,885,514	Construction	73%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	24,541,311	Procurement	26%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	13,243,469	Construction	3%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	15,367,648	Design	10%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,154,562	Construction	9%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,152,185	Procurement	56%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	31,179,205	Procurement	43%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	39,048,361	Procurement	43%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,442,288	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	132,216,144	Construction	37%		6/18/2023	
	2.16	Dewatering Building	99,952,854	48,952,219	Procurement	43%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	26,719,032	Complete / Closeout	100%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	11,726,621	Construction	43%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	61,272,883	Construction	61%		5/21/2020	
	2.20	Septage Unloading	29,061,616	-	Cancelled			6/3/2022	Project cancelled, as approved by EPA on December 28, 2016.
	2.21	Pump Station 1	11,575,513	8,841,452	Construction	57%		2/26/2021	
	2.22	Pump Station 2	5,371,361	9,464,587	Construction	41%		5/25/2019	
	2.23	O2 Plant Process Controls Phase 2	482,909	709,024	Complete	100%	10/14/2016	3/9/2017	Complete
	2.24	Gas Monitoring	334,913	1,086,050	Complete	100%	9/29/2017	9/29/2017	Complete
	2.25	Ventilation Improvements	2,766,973	10,797,053	Construction	68%		2/27/2025	
	2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,672,376	Construction	10%		9/27/2027	
	2.27	Oxygen Production	26,503,191	79,744,860	Procurement	86%		2/13/2022	
	2.28	SCADA RTU Upgrades	396,000	365,883	Complete	100%	2/10/2014	3/29/2014	Complete
	2.29	High Strength Influent Impact Study	1,544,400	1,116,337	Complete	100%	6/5/2014	6/24/2014	Complete
Subtotal:			596,338,295	665,931,593					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	37,156,481	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	75,881,400	Construction	53%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	66,658,403	Design	8%		3/6/2026	
	3.4	Oxygen Production	7,139,589	47,831,348	Design	8%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	52,951,153	Construction	53%		8/24/2027	
	3.6	Disinfection	18,721,749	24,377,332	Construction	2%		9/9/2020	
	3.7	Effluent Disposal	27,500,829	10,468,596	Complete / Closeout	99%	6/29/2018	12/28/2021	Project in closeout.
	3.8	Plant Wide Electrical	18,859,689	3,270,718	Design	4%		8/20/2022	
	3.9	Flood Mitigation	4,327,589	777,813	Complete	100%	6/24/2016	8/13/2017	Complete
	3.10	Yard Piping Replacement	4,901,560	229,517	Complete	100%	5/24/2016	12/4/2021	Complete
	3.11	SCADA RTU Upgrades	1,200,320	1,040,905	Complete	100%	11/26/2014	3/24/2015	Complete
Subtotal:			270,529,816	320,643,665					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	122,820,506	Construction	48%		9/27/2027	
	4.2	Government Cut FM - Phase 1 & 2	35,187,000	45,199,283	Complete	100%	9/30/2013	9/30/2013	The EPA Consent Decree only included the remaining cost of this project from October 2012.
	4.3	Government Cut FM - Phase 3	117,376,121	94,405,577	Complete	100%	11/23/16	4/8/2017	Complete
	4.4	North Dade 72 inch PCCP FM Rehabilitation	23,764,116	22,921,324	Complete	100%	5/5/2016	3/5/2018	Complete
	4.5	South Dade 54 inch PCCP FM Rehabilitation	18,570,705	47,115,271	Complete / Closeout	99%	9/14/2018	12/23/2018	Project in closeout.
	4.6	Replacement of Tamiami Canal Aerial Crossing FM's at NW 37th Ave	727,443	706,172	Complete	100%	8/11/2014	10/29/2016	Complete
	4.7	Replacement of 18 inch DIP FM in Miami Lakes	2,323,333	1,081,566	Complete	100%	12/7/2015	4/9/2017	Complete
	4.8	Rehabilitation of 54 inch PCCP FM in the City of Miami	10,842,213	21,451,142	Complete / Closeout	95%	6/16/2017	5/28/2017	Project in closeout. On January 11, 2018, the EPA decided not to assess penalties for this project due to Force Majeure events. On September 14, 2017, the EPA approved a final completion date for CD 4.8 of May 28, 2017.
	4.9	Replace Approximately 30 miles of AC FM Transmission System	52,708,893	31,259,052	Construction	68%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	25,185,133	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
Subtotal:			423,707,208	412,145,027					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	12,715,633	Construction	95%		10/22/2019	
	5.2	Upgrade of PS#0691	6,007,492	332,569	Construction	95%		1/27/2019	On April 14, 2016, the EPA and FDEP approved Miami-Dade's request to modify the scope of this project to read, "Connect the City of Homestead's PS1, once completed, to the South District Wastewater Treatment Plant (SDWWTP) Transmission System and decommission PS 0691". The City of Homestead failed to meet the Regulatory Compliance Date. On November 29, 2018, a Force Majeure notification letter was submitted to the EPA, as the County is not in privity with the project contractor.
	5.3	Upgrade of PS#0692	6,007,492	18,848,800	Construction	0%		6/17/2020	
	5.4	Replacement of Switchgear PS#0414	1,481,438	7,826,037	Construction	72%		6/15/2019	
	5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	4,805,995	8,576,358	Construction	90%		9/2/2019	
	5.6	Replacement of Switchgear PS#0416	1,481,438	7,831,115	Construction	88%		6/13/2019	
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999	8,062,539	Construction	20%		7/25/2020	
	5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	4,004,992	2,240,298	Complete	100%	2/3/2018	1/27/2019	Complete
	5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	4,543,072	13,518,717	Permitting	40%		1/24/2022	Scope of the project has changed. A change request was submitted to EPA for approval on July 28, 2017.
	5.10	Upgrade of PS#0488	2,962,877	949,087	Complete	100%	12/8/2016	5/9/2018	Complete
	5.11	Installation of 48-inch FM from Kendall Dr. to the suction side of PS 0536.	5,925,746	2,075,910	Complete / Closeout	99%	2/13/2019	5/18/2019	Project reached Substantial Completion on February 13, 2019. The project is currently in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	13,769,669	Construction	95%		3/26/2019	
	5.13	Refurbish Emergency Generators and Controls at Regional Pump stations	3,054,141	581,763	Complete	100%	2/4/2016	7/20/2016	Complete
	5.14	Upgrade of PS #0086, 0492	2,127,389	1,303,683	Complete	100%	12/31/2013	12/31/2013	Complete
	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671	6,676,875	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	4,361,634	Complete / Closeout	95%	1/24/2018	12/31/2018	Project in closeout.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,459,326	Complete / Closeout	98%	4/30/2018	11/20/2018	Project in closeout.
	5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	7,526,751	7,108,300	Construction	56%		12/13/2019	
	5.19	SCADA RTU Upgrades	10,003,462	5,515,473	Complete	100%	11/23/2015	3/18/2016	Complete
Subtotal:			105,582,984	128,753,787					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	5,498,569	Complete / Closeout	95%	12/26/2018	11/18/2019	Project in closeout.
Subtotal:			2,047,200	5,498,569					
Total Project Expenses:			1,552,681,572	1,891,896,830				9/27/2027	

- 1) On 4/11/2018, the EPA approved our request to modify specific project regulatory completion dates. These new dates are being reflected in this Transparency report.
- 2) Schedule and cost information based on Consent Decree, February 2019 data.

Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events.

Type	Agency	Demand Letter Date	Description of the event	Remarks
N/A - No Stipulated Penalty Notices or Payments this reporting period.				
Total Stipulated Penalties:				

*EPA/FDEP will be notified of paid stipulated penalties. Stipulated penalties payments to be distributed 50% payable to the EPA, and 50% payable to FDEP.