

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for July 2020

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Total Cost Estimate	Current, Consent Decree Total Cost (Estimate At Completion)	Project Phase	Phase % Complete	Actual Compliance Date	Regulatory Compliance Date	Remarks
South District WWTP	1.1	Headworks	728,343	386,196	Complete	100%	11/6/2019	2/23/2020	Complete
	1.2	Oxygen Production	7,549,529	20,179,295	Construction	45%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	6,615,349	Construction	37%		11/16/2025	
	1.4	Chlorine Building	2,520,707	3,410,730	Procurement	45%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,338,768	Construction	74%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	43,510,528	Procurement	97%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	140,798,238	Construction	58%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	70,582,650	Procurement	97%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,600,897	Complete / Closeout	99%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	18,239,119	Procurement	30%		4/25/2023	
	1.11	General Electrical	12,165,144	14,170,973	Construction	7%		3/26/2021	
1.12	Chlorine Contact Chamber Structural	6,935,601	6,009,286	Construction	79%		6/18/2021		
<b>Subtotal:</b>			<b>154,476,069</b>	<b>374,842,029</b>					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,864,958	Construction	70%		6/14/2021	Project in closeout.
	2.2	Building improvements	5,673,576	4,767,713	Complete / Closeout	100%	1/17/2020	9/26/2019	Termination for default of contractor. Project Update and Failure to Meet Compliance Date Notification sent to EPA & FDEP September 25, 2019.
	2.3	Headworks Plant 1	20,637,859	17,508,671	Complete / Closeout	99%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,567,112	Complete / Closeout	99%	8/13/2019	8/23/2019	Project in closeout.
	2.5	Oxygenation Trains Plant 1	6,882,836	5,245,543	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	10,049,053	Construction	76%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,948,835	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,520,434	Construction	42%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,953,631	Procurement	1%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,685,011	Construction	54%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,168,765	Construction	62%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	28,496,631	Procurement	97%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	30,217,755	Procurement	97%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,426,374	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	132,312,900	Construction	58%		6/18/2023	
	2.16	Dewatering Building	99,952,854	82,002,756	Procurement	97%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	25,895,147	Complete / Closeout	100%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	6,248,164	Construction	50%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	66,181,255	Construction	98%		5/21/2020	Failure to Meet Compliance Date and Project Status Update Notification sent to EPA and FDEP on 5/21/2020. Electronic and written notification of a potential delay submitted to FDEP and EPA on 12/30/19 and 1/10/20 respectively.
	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	8,806,148	Complete / Closeout	99%	12/19/2019	2/26/2021	Project in closeout.	
2.22	Pump Station 2	5,371,361	10,569,497	Construction	82%		5/25/2019	Termination for default of Contractor. Delay notification sent to EPA & FDEP May 20, 2019.	
2.23	O2 Plant Process Controls Phase 2	482,909	661,862	Complete	100%	10/14/2016	3/9/2017	Complete	
2.24	Gas Monitoring	334,913	1,013,808	Complete	100%	9/29/2017	9/19/2017	Complete. On May 22, 2019, EPA issued a Demand for Stipulated Penalties letter within which EPA informed the County of its decision to exercise its enforcement discretion to not demand stipulated penalties for Appendix D-2, Project 2.24.	
2.25	Ventilation Improvements	2,766,973	1,021,665	Construction	94%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,835,105	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	80,418,103	Construction	39%		2/13/2022		
2.28	SCADA RTU Upgrades	396,000	341,545	Complete	100%	2/10/2014	3/29/2014	Complete	
2.29	High Strength Influent Impact Study	1,544,400	1,042,081	Complete	100%	6/5/2014	6/24/2014	Complete	
<b>Subtotal:</b>			<b>596,338,295</b>	<b>673,770,523</b>					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	34,103,270	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	77,396,009	Construction	77%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	67,763,572	Design	72%		3/6/2026	
	3.4	Oxygen Production	7,139,589	50,524,152	Design	72%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	53,112,103	Construction	66%		8/24/2027	
	3.6	Disinfection	18,721,749	24,773,968	Construction	86%		9/9/2020	On April 21, 2020, the County electronically notified the EPA and FDEP of potential delays in construction including COVID-19 Pandemic impacts. On May 5, 2020, the County submitted the Delay and Force Majeure Notification Letter to EPA and FDEP.
	3.7	Effluent Disposal	27,500,829	6,616,560	Complete	100%	6/29/2018	12/28/2021	Complete
	3.8	Plant Wide Electrical	18,859,689	1,387,337	Procurement	80%		8/20/2022	
	3.9	Flood Mitigation	4,327,589	726,074	Complete	100%	6/24/2016	8/13/2017	Complete
	3.10	Yard Piping Replacement	4,901,560	214,250	Complete	100%	5/24/2016	12/4/2021	Complete
	3.11	SCADA RTU Upgrades	1,200,320	971,666	Complete	100%	11/26/2014	3/24/2015	Complete
<b>Subtotal:</b>			<b>270,529,816</b>	<b>317,588,960</b>					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	150,874,653	Construction	66%		9/27/2027	
	4.2	Government Cut FM - Phase 1& 2	35,187,000	42,192,720	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	88,080,995	Complete	100%	11/23/16	4/8/2017	Complete
	4.4	North Dade 72 inch PCCP FM Rehabilitation	23,764,116	21,396,645	Complete	100%	5/5/2016	3/5/2018	Complete
	4.5	South Dade 54 inch PCCP FM Rehabilitation	18,570,705	41,831,557	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	659,199	Complete	100%	8/11/2014	10/29/2016	Complete
	4.7	Replacement of 18 inch DIP FM in Miami Lakes	2,323,333	1,009,622	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	18,190,628	Complete	100%	6/16/2017	5/28/2017	Complete 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	32,902,839	Construction	98%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	24,178,119	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
<b>Subtotal:</b>			<b>423,707,208</b>	<b>421,316,976</b>					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	13,077,206	Complete / Closeout	99%	11/8/2019	10/22/2019	Project in Closeout. Potential Delay Notification sent to EPA and FDEP on October 11, 2019. Delay Notification and Failure to Meet Compliance Date Notification sent to EPA and FDEP on October 21, 2019.
	5.2	Upgrade of PS#0691	6,007,492	310,447	Complete	100%	11/8/2019	1/27/2019	Complete 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	20,314,417	Construction	86%		6/17/2020	On April 21, 2020, the County electronically notified the EPA and FDEP of potential delays in construction including COVID-19 Pandemic impacts. On May 5, 2020, the County submitted the Delay and Force Majeure Notification Letter to EPA and FDEP. On June 16, 2020, the County submitted the Failure to Meet Compliance Date and Project Status Update Letter to EPA and FDEP.
	5.4	Replacement of Switchgear PS#0414	1,481,438	8,807,418	Complete / Closeout	99%	6/11/2019	6/15/2019	Project in closeout.
	5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	4,805,995	10,307,151	Complete / Closeout	99%	11/13/2019	9/2/2019	Project in Closeout. Failure to Meet Compliance Date. Electronic notification sent to EPA & FDEP September 18, 2019.
	5.6	Replacement of Switchgear PS#0416	1,481,438	8,256,697	Complete / Closeout	99%	6/11/2019	6/13/2019	Project in closeout.
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999	9,536,248	Construction	98%		7/25/2020	
	5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	4,004,992	2,091,278	Complete	100%	2/3/2018	1/27/2019	Complete
	5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	4,543,072	13,822,460	Construction	14%		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	885,955	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	2,449,628	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	14,322,072	Complete / Closeout	99%	3/25/2019	3/26/2019	Project in closeout.
	5.13	Refurbish Emergency Generators and Controls at Regional Pump stations	3,054,141	543,066	Complete	100%	2/4/2016	7/20/2016	Complete
	5.14	Upgrade of PS #0086, 0492	2,127,389	1,216,965	Complete	100%	12/31/2013	12/31/2013	Complete
	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671	6,390,779	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	3,800,293	Complete	100%	1/24/2018	12/31/2018	Complete
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	5,914,999	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	7,360,422	Complete / Closeout	99%	11/18/2019	12/13/2019	Project in closeout.
	5.19	SCADA RTU Upgrades	10,003,462	5,148,595	Complete	100%	11/23/2015	3/18/2016	Complete
<b>Subtotal:</b>			<b>105,582,984</b>	<b>134,556,098</b>					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,322,717	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
<b>Subtotal:</b>			<b>2,047,200</b>	<b>4,322,717</b>					
<b>Total Project Expenses:</b>			<b>1,552,681,572</b>	<b>1,926,397,302</b>				<b>9/27/2027</b>	

- 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, June 2020 data.
- 3) Yellow highlights indicate changes from the prior month's report.

**Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events, June 2020 data.**

Type	Agency	Demand Letter Date	Penalty	Description of the event	Remarks
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 439343; Jan. 8, 2019; 5,316 gal.; 4101 NW 77 Avenue; SSO did not reach US waters	Manual Air Release Valve (ARV) broken accidentally during maintenance activities.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 1,000	Incident No. 439620; Jan. 12, 2019; 21,527 gal.; 26508 SW 123 Place ; SSO did not reach US waters	10" Asbestos Cement (AC) force main broken by County contractor.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 1,000	Incident No. 439656; Jan. 13, 2019; 11,812 gal.; SW 125 Street & SW 122 Avenue; SSO did not reach US waters	8" Ductile Iron (DI) force main broken due to point loading.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 442409; Mar. 1, 2020; 5,855 gal.; 9798 Palmetto Club Drive; SSO did not reach US waters	4" AC force main broken by County Contractor.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 442925; Mar. 11, 2019; 3,007 gal.; SW 14441 S Dixie Highway, Palmetto Bay; SSO did not reach US waters	6" AC force main broken by County contractor while doing exploratory digging to replace 6" AC force main.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 1,000	Incident No. 443094; Mar. 14, 2019; 121,677 gal.; 11201 SW 24 Street; SSO did not reach US waters	Non-WASD (County) 8" polyvinyl chloride (PVC) force main broken due to shallow location (Miami Dade Parks & Recreation Department).
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 443567; Mar. 24, 2019; 1,000 gal.; 551 SE 8th Street, Homestead; SSO did not reach US waters	Debris and rags clogged check valve at Pump Station (PS) 0691.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 1,000	Incident No. 443656; Mar. 26, 2019; 113,388 gal.; 10900 SW 24 Street; SSO did not reach US waters	Non-WASD 8" PVC force main broken by County contractor. This property belongs to Miami-Dade Parks & Recreation Department.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 1,000	Incident No. 444720; Apr. 15, 2019; 56,055 gal.; 2135 NW 207 Street, Miami Gardens; SSO did not reach US waters	4" AC force main broken by County contractor.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 444703; Apr. 15, 2019; 6,760 gal.; 7750 NW 12 Avenue; SSO did not reach US waters	12" DI force main leaking due to improper bedding.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 444888; Apr. 18, 2019; 25,526 gal.; 129 SW 136 Avenue; SSO did not reach US waters	Isolation valve malfunctioned at PS 0153.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 445422; Apr. 28, 2019; 3,024 gal.; NW 71 Street & NW 110 Avenue; SSO did not reach US waters	Automatic ARV leaking due to split on the housing.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 446631; May 16, 2019; 14,636 gal.; 15925 SW 304 Street; SSO did not reach US waters	4" AC force main broken by County contractor.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 446794; May 20, 2019; 18,413 gal.; 15140 SW 168 Street; SSO did not reach US waters	12" Cast Iron (CI) force main broken by County contractor.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 448306; Jun. 16, 2019; 23,782 gal.; 8989 SW 117 Avenue; SSO did not reach US waters	PS 0536 discharge pipe clamp leaking.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 449277; Jul. 2, 2019; 67,599 gal.; 14201 NW 42 Avenue, Opa-Locka; SSO did not reach US waters	54" DI force main broken by County contractor.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 450255; Jul. 18, 2019; 6,478 gal.; 13964 NW 60 Avenue, Miami Lakes; SSO did not reach US waters	ARV leaking due to corrosion at bottom of non standard material 2" nipple.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 451435; Aug. 6, 2019; 8,000 gal.; 17909 Biscayne Boulevard, Aventura; SSO did not reach US waters	Mechanical pump failure at PS 0392.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 451963; Aug. 13, 2019; 36,504 gal.; 4800 SW 127 Place; SSO did not reach US waters	8" AC force main broken due to non-standard pipe material.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 453081; Aug. 29, 2019; 1,182 gal.; 60 Harbor Drive, Key Biscayne; SSO did not reach US waters	Automatic ARV failed due to malfunction of several parts
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 5,000	Incident No. 454044; Sep. 11, 2019; 727,659 gal.; SW 112 Street & SW 127 Avenue; SSO did not reach US waters	16" AC force main broken due to substandard material of pipe
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 455873; Oct. 13, 2019; 3,380 gal.; 7778 NW 12 Avenue; SSO did not reach US waters	12" DI force main leaking due to interior corrosion
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 456049; Oct. 16, 2019; 45,000 gal.; 77870 NW 178 Street; SSO did not reach US waters	County contractor failed to reinstall a plug at the receiving manhole after the one they had failed
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 457906; Nov. 19, 2019; 8,859 gal.; SW 101 Street & SW 164 Avenue; SSO did not reach US waters	8" DI force main broken due to improper bedding.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No.458354; Nov. 27, 2019; 5,906 gal.; NW 41 Street & NW 72 Avenue; SSO did not reach US waters	Broken PVC nipple on AARV.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 458364; Nov. 27, 2019; 3,513 gal.; 930 N Venetian Causeway; SSO did not reach US waters	10" DI force main broken due to a spilt on the pipe.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 458487; Dec. 1, 2019; 40,560 gal.; 13401 W Calusa Club Drive; SSO did not reach US waters	8" PVC force main broken due to sub standard material.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 500	Incident No. 458490; Dec. 1, 2019; 1,773 gal.; SW 88 Street & SW 123 Court; SSO did not reach US waters	ARV leaking due to split on nipple.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 458574; Dec. 2, 2019; 17,935 gal.; NW 31 Street & NW 32 Avenue; SSO did not reach US waters	12" DI force main broken due to point load.
SSO	FDEP	2/11/2020 Rev. 7/6/2020	\$ 2,000	Incident No. 459552; Dec. 20, 2019; 30,688 gal.; 6250 SW 109 Court; SSO did not reach US waters	8" DI force main broken due to interior corrosion.
Total Stipulated Penalties:			\$ 37,000		