

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for May 2021

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	386,223	Complete	100%	11/6/2019	2/23/2020	Complete
	1.2	Oxygen Production	7,549,529	20,939,044	Construction	84%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	6,655,884	Construction	38%		11/16/2025	
	1.4	Chlorine Building	2,520,707	3,384,265	Construction	13%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,724,529	Construction	94%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	43,155,172	Construction	17%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	141,713,317	Construction	79%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	70,336,204	Construction	17%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,637,856	Complete / Closeout	99%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	21,269,089	Construction	3%		4/25/2023	
	1.11	General Electrical	12,165,144	14,068,989	Construction	34%		3/26/2021	On June 28, 2019, the County submitted a Potential Delay Notification Letter to EPA and FDEP. On January 15, 2021, the County provided an update letter to EPA and FDEP regarding the potential delay of CD 1.11 General Electric at SDWWTP, including an additional delay on CD 1.11 (1.2) Generator Repairs. On March 17, 2021, the County notified EPA and FDEP that the March 26, 2021 EPA compliance date will be missed.
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,480,633	Complete / Closeout	99%	4/5/2021	6/18/2021	Substantially completed on April 5, 2021. Project in closeout.
Subtotal:			154,476,069	378,751,205					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,825,870	Construction	89%		6/14/2021	On September 29, 2020, the County submitted electronic notice of a potential delay to EPA and FDEP. On October 13, 2020, the County submitted a Potential Delay Notification Letter to EPA and FDEP.
	2.2	Building improvements	5,673,576	4,786,091	Complete / Closeout	100%	1/17/2020	9/26/2019	Project in closeout. 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	17,567,491	Complete / Closeout	99%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,600,875	Complete / Closeout	99%	8/13/2019	8/23/2019	Project in closeout.
	2.5	Oxygenation Trains Plant 1	6,882,836	5,249,335	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	11,469,002	Construction	88%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,835,700	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	15,730,695	Construction	63%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,790,708	Procurement	0%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	36,096,028	Construction	88%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,960,224	Construction	98%		6/21/2021	On January 28, 2021, the County submitted electronic notification of a potential delay to EPA and FDEP. On February 11, 2021, the County notified EPA & FDEP of a delay of CD 2.11 Effluent Pump Station.
	2.12	Sludge Thickeners Plant 1	11,156,240	28,263,896	Construction	15%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	29,970,963	Construction	15%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,261,751	Planning	0%		1/19/2026	On February 8, 2016, the County submitted a request for a non-material change to EPA and FDEP. The County has not received a final determination of this request from EPA and FDEP.
	2.15	Digesters Plant 2	122,761,868	132,684,920	Construction	65%		6/18/2023	On September 10, 2020, the County submitted a Potential Delay Notification Letter to EPA and FDEP.
	2.16	Dewatering Building	99,952,854	81,731,585	Construction	15%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	23,874,524	Complete / Closeout	100%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	6,211,565	Construction	57%		1/13/2023	

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	2.19	Co-Gen Facility	30,311,204	65,919,929	Construction	99%		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	7,709,168	Complete / Closeout	99%	12/19/2019	2/26/2021	Project in closeout.
	2.22	Pump Station 2	5,371,361	10,663,015	Construction	99%		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	1,016,500	Construction	99%		2/27/2025	
	2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,811,950	Construction	16%		9/27/2027	
	2.27	Oxygen Production	26,503,191	81,243,005	Construction	81%		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
	Subtotal:	596,338,295	671,334,084						
North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	32,126,768	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	77,483,720	Construction	91%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	896,812	Procurement	31%		3/6/2026	
	3.4	Oxygen Production	7,139,589	135,626,947	Procurement	31%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	53,138,192	Construction	75%		8/24/2027	
	3.6	Disinfection	18,721,749	25,088,311	Construction	97%		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. On September 9, 2020, the County submitted a Failure to Meet Compliance Date and Project Update 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	1,421,822	Complete / Closeout	98%	3/2/2021	8/20/2022	Substantially completed on March 2, 2021. Project in closeout.
	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
	Subtotal:	270,529,816	334,311,121						
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	141,890,366	Construction	73%		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	Complete 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	88,043,461	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	41,857,650	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.

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	4.9	Replace Approximately 30 miles of AC FM Transmission System	52,708,893	30,966,207	Complete / Closeout	99%	6/5/2020	10/17/2020	Project in closeout. Substantially completed on June 5, 2020. On October 7, 2020 the County submitted the Completion Letter to EPA and FDEP.
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	22,540,512	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
	Subtotal:		423,707,208	408,747,010					
Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	13,116,191	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	19,932,276	Complete / Closeout	99%	11/17/2020	6/17/2020	Project in closeout. Substantially completed on November 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. On November 20, 2020 the County submitted the Notification of Construction Completion to EPA and FDEP.
	5.4	Replacement of Switchgear PS#0414	1,481,438	9,203,566	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	10,354,292	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	8,327,362	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	9,193,977	Complete / Closeout	99%	7/1/2020	7/25/2020	Project in closeout.
	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	13,871,658	Construction	62%		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	2,379,504	Complete	100%	2/13/2019	5/18/2019	Complete
	5.12	Replacement of Switchgear at PS#0187	3,555,449	14,349,025	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	3,753,256	Complete	100%	1/24/2018	12/31/2018	Complete	

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	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,300,193	Complete / Closeout	99%	4/30/2018	11/20/2018	Project in closeout.
	5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	7,526,751	6,692,656	Complete	100%	11/18/2019	12/13/2019	Complete
	5.19	SCADA RTU Upgrades	10,003,462	5,148,595	Complete	100%	11/23/2015	3/18/2016	Complete
	Subtotal:		105,582,984	134,061,041					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,653,473	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
	Subtotal:		2,047,200	4,653,473					
Total Project Expenses:			1,552,681,572	1,931,857,935				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 data, month of: April 2021									
3) Yellow highlights indicate changes from the prior month's report.									

Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events, month of: **April 2021**

Type	Agency	Demand Letter Date	Penalty	Remarks
N/A - No Stipulated Penalty Notices this reporting period.				