

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for October 2021

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	21,028,494	Construction	85%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	6,684,317	Procurement	40%		11/16/2025	No construction activities are currently active. Project is in procurement.
	1.4	Chlorine Building	2,520,707	3,398,722	Construction	48%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,907,044	Construction	97%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	43,339,526	Construction	26%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	142,318,703	Construction	87%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	70,636,674	Construction	26%		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	21,359,949	Construction	7%		4/25/2023	
	1.11	General Electrical	12,165,144	14,129,090	Construction	37%		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	100%	4/5/2021	6/18/2021	Project in closeout.
<b>Subtotal:</b>			<b>154,476,069</b>	<b>380,307,232</b>					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,902,020	Construction	96%		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. Failure to Meet Compliance Date Notification sent to EPA and FDEP on 6/14/2021.
	2.2	Building improvements	5,673,576	4,705,670	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	11,387,239	Complete / Closeout	99%	9/28/2021	4/14/2022	Project in closeout. Substantially completed on September 28, 2021.
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,894,805	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	16,668,081	Construction	64%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,892,340	Procurement	0%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	36,250,227	Construction	93%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	30,304,558	Complete / Closeout	99%	6/17/2021	6/21/2021	Project in Closeout. 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	28,384,636	Construction	24%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	30,098,996	Construction	24%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,297,044	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	159,411,320	Construction	66%		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	82,080,735	Construction	24%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	23,814,877	Complete	100%	7/27/2018	10/15/2018	Project closeout finalized 05/15/21.
	2.18	Odor Control Systems	20,208,323	6,238,100	Construction	63%		1/13/2023	

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Central District WWTP	2.19	Co-Gen Facility	30,311,204	66,201,533	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	10,708,566	Construction	99%		5/25/2019	Termination for default of Contractor. Delay notification sent to EPA & FDEP May 20, 2019. This project achieved construction completion for the Pump Station building on August 23, 2021. Flow meter installation is pending for its Substantial Completion.
	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	963,841	Complete / Closeout	100%	8/23/2021	2/27/2025	Substantially completed on August 23, 2021.
	2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,771,781	Construction	18%		9/27/2027	
	2.27	Oxygen Production	26,503,191	77,034,294	Complete / Closeout	96%	9/28/2021	2/13/2022	Milestone 1B-VPSA-1 was substantially completed on September 28, 2021.
	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	694,196,826						
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	77,269,774	Construction	95%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	900,643	Procurement	53%		3/6/2026	
	3.4	Oxygen Production	7,139,589	136,206,332	Procurement	53%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	53,365,193	Construction	75%		8/24/2027	
	3.6	Disinfection	18,721,749	25,195,486	Construction	98%		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	1,348,166	Complete / Closeout	99%	3/2/2021	8/20/2022	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	334,940,912						
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	141,890,366	Construction	74%		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	41,646,640	Complete	100%	9/14/2018	12/23/2018	Complete
	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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Wastewater Collection and Transmission Lines	4.9	Replace Approximately 30 miles of AC FM Transmission System	52,708,893	30,621,430	Complete / Closeout	100%	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.
	<b>Subtotal:</b>		<b>423,707,208</b>	<b>408,191,223</b>					
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	13,930,916	Construction	80%		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
	Sewer Pump Station Systems	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671	6,390,779	Complete	100%	12/30/2015	12/31/2015
5.16		Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	3,753,256	Complete	100%	1/24/2018	12/31/2018	Complete
5.17		Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,097,402	Complete / Closeout	100%	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
<b>Subtotal:</b>		<b>105,582,984</b>	<b>133,917,509</b>						

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SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,653,473	Complete	100%	12/26/2018	11/18/2019	Complete
	<b>Subtotal:</b>		<b>2,047,200</b>	<b>4,653,473</b>					
<b>Total Project Expenses:</b>			<b>1,552,681,572</b>	<b>1,956,207,175</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 <b>September 2021</b>									
3) <b>Yellow highlights indicate changes from the prior month's report.</b>									

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

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