

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for April 2023

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	21,660,434	Construction	89%		2/25/2022	On July 14, 2021, the County submitted a Potential Delay Notification Letter to EPA and FDEP.
	1.3	Oxygenation Trains	18,121,319	5,876,229	Construction	64%		11/16/2025	Project is comprised of Structural Rehabilitation, Mixer Upgrades and Electrical Building Expansion, and Substations 5/6 and 15/16. These last two have been incorporated into the Ocean Outfall Legislation Program as the OOL-ST-1B and OOL ST-2D Projects. Both currently in procurement. Structural Rehabilitation for trains 1, 4, 5, 6 and 7 is complete. Structural Rehabilitation for trains 2 and 3 is included as part of project OOL-ST-1B.
	1.4	Chlorine Building	2,520,707	3,664,857	Complete / Closeout	98%	1/27/2022	8/7/2023	Substantially completed on January 27, 2022.
	1.5	Effluent Pump Station	27,010,183	43,082,042	Complete / Closeout	99%	4/21/2022	4/7/2022	On October 29, 2021, the County submitted a Potential Delay Notification Letter to EPA and FDEP. Substantially completed on April 21, 2022.
	1.6	Gravity Sludge Thickeners	5,246,274	43,967,004	Construction	88%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	140,134,267	Construction	87%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	73,384,120	Construction	88%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,369,685	Complete	100%	3/26/2019	5/24/2019	Complete
	1.10	Odor Control	8,130,067	21,778,448	Complete / Closeout	98%	4/19/2023	4/25/2023	Substantially completed on April 19, 2023.
	1.11	General Electrical	12,165,144	16,462,356	Construction	72%		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	4,853,292	Complete	100%	4/5/2021	6/18/2021	Complete
		<b>Subtotal:</b>		<b>154,476,069</b>	<b>383,618,956</b>				
Central District WWTP	2.1	Electrical Improvements	28,392,361	18,230,992	Construction	99%		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	4,631,682	Complete	100%	1/17/2020	9/26/2019	Complete. 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	17,610,635	Complete / Closeout	99%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,867,971	Complete / Closeout	99%	8/13/2019	8/23/2019	Project in closeout.
	2.5	Oxygenation Trains Plant 1	6,882,836	5,224,522	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	11,581,820	Complete	100%	9/28/2021	4/14/2022	Complete
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,556,958	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	16,327,984	Construction	77%		12/1/2024	Construction on Tank 4 Mechanism was completed.
	2.9	RS Pump Stations Plant 1	9,441,453	23,252,422	Procurement	0%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	37,169,332	Construction	99%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,099,014	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. FDEP notification of construction completion executed on June 17, 2021.
	2.12	Sludge Thickeners Plant 1	11,156,240	6,009,718	Construction	80%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	6,405,553	Construction	80%		1/13/2023	

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Central District WWTP	2.14	Digesters Plant 1	60,684,546	8,072,254	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	157,210,093	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	134,258,861	Construction	80%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	23,824,047	Complete	100%	7/27/2018	10/15/2018	Complete
	2.18	Odor Control Systems	20,208,323	3,370,116	Construction	90%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	64,047,460	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				Project cancelled, as approved by EPA on December 28, 2016.
	2.21	Pump Station 1	11,575,513	8,070,637	Complete / Closeout	99%	12/19/2019	2/26/2021	Project in closeout.
	2.22	Pump Station 2	5,371,361	10,542,189	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	968,948	Complete / Closeout	100%	8/23/2021	2/27/2025	Substantially completed on August 23, 2021. Project in closeout.
	2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,720,327	Construction	18%		9/27/2027	Project Closeout for Construction Package I was completed.
	2.27	Oxygen Production	26,503,191	79,685,773	Complete / Closeout	99%	9/28/2021	2/13/2022	Project was substantially completed on September 28, 2021. Project in closeout.
	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>696,798,603</b>					
North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	32,127,281	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	77,558,188	Complete / Closeout	99%	9/14/2022	4/6/2023	Project was substantially completed on September 14, 2022. Project is now in closeout.
	3.3	Oxygenation Trains	26,824,143	876,242	Pre-Design	83%		3/6/2026	Project is in the pre-design phase as the TA is currently being revised.
	3.4	Oxygen Production	7,139,589	168,917,930	Pre-Design	83%		3/6/2026	Project is in the pre-design phase as the TA is currently being revised.
	3.5	Secondary Clarifiers	81,645,502	52,924,058	Construction	94%		8/24/2027	
	3.6	Disinfection	18,721,749	24,865,307	Complete / Closeout	99%	3/5/2022	9/9/2020	Project in closeout.
	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	1,336,978	Complete	100%	3/2/2021	8/20/2022	Complete
	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>367,134,533</b>					

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Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	141,890,366	Construction	76%		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.
	4.9	Replace Approximately 30 miles of AC FM Transmission System	52,708,893	28,747,385	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	22,555,788	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
	<b>Subtotal:</b>	<b>423,707,208</b>	<b>406,332,454</b>						
Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	12,664,082	Complete	100%	11/8/2019	10/22/2019	Complete
	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	19,763,239	Complete	100%	11/17/2020	6/17/2020	Complete. 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	10,188,999	Complete / Closeout	99%	6/11/2019	6/15/2019	Project in closeout.
	5.5	Replacement of Switchgear and Rehabilitation of	4,805,995	9,828,682	Complete	100%	11/13/2019	9/2/2019	Complete
	5.6	Replacement of Switchgear PS#0416	1,481,438	8,103,292	Complete	100%	6/11/2019	6/13/2019	Complete
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999	8,952,796	Complete	100%	7/1/2020	7/25/2020	Complete
	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	14,164,983	Complete / Closeout	99%	1/25/2022	1/24/2022	Scope of the project has changed. A change request was submitted to EPA for approval on July 28, 2017. Project was substantially completed Jan. 25, 2022.
	5.10	Upgrade of PS#0488	2,962,877	884,195	Complete	100%	12/8/2016	5/9/2018	Complete

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Sewer Pump Station Systems	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	13,447,065	Complete	100%	3/25/2019	3/26/2019	Complete
	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	6,148,953	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
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,264,495	Complete	100%	4/30/2018	11/20/2018	Complete
	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>132,546,548</b>						
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,523,691	Complete	100%	12/26/2018	11/18/2019	Complete
		<b>Subtotal:</b>	<b>2,047,200</b>	<b>4,523,691</b>					
<b>Total Project Expenses:</b>			<b>1,552,681,572</b>	<b>1,990,954,786</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 data, month of: **April 2023**

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 2023**

Type	Agency	Demand Letter Date	Penalty	Description of the event					Remarks
				Location	Incident No.	Date	Reached Waters of US	Est. Volume gallons	
N/A - No Stipulated Penalty Notices this reporting period.									