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VIA ELECTRONIC CORRESPONDENCE

July 30, 2020

CCN: 63329 File No: 8.DC.20.33

Chief, Environmental Enforcement Section **Environment and Natural Resources Division**

U.S. Department of Justice

P.O. Box 7611 Tom Mariani

Washington, D.C. 20044-7611 RE: DOJ No. 90-5-1-1-4022/1

Tom.Mariani@usdoi.gov

Chief, Clean Water Enforcement Branch

Water Protection Division

Attn: Brad Ammons

U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W. Atlanta, Georgia 30303 Ammons.Brad@epa.gov

Rachael Amy Kamons **Environmental Enforcement Section** U.S. Department of Justice P.O. Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Rachael.Kamons@usdoj.gov

Florida Department of Environmental Protection Southeast District – West Palm Beach 3301 Gun Club Road, MSC 7210-1 West Palm Beach, FL 33406

Attn: Compliance/Enforcement Section

Jason.Andreotta@dep.state.fl.us

RE: Consent Decree (Case: No. 1:12-cv-24400-FAM), Reference DOJ Case No. 90-5-1-1-4022/1,

Section IX - Reporting Requirements, Paragraph 33 - Semi-Annual Reports - 2020 Semi-Annual Report No. 1

Dear Sir/Madam:

In accordance with the provisions of Paragraph 33 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2020 Semi-Annual Report No. 1. The report includes the progress made in implementing the requirements of the aforementioned Consent Decree during the period of time from January 20, 2020 through June 30, 2020. The report also includes the anticipated work to be completed over the next two calendar quarters through December 31, 2020.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate CD Section IX, Paragraph 33, 2020 Semi-Annual Report No. 1 July 30, 2020 Page 2

and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions regarding this matter, please call me at (786) 552-8120.

Sincerely,

Josenrique Cueto P.E., ENV SP, LEED® Green Associate Assistant Director, Planning and Regulatory Compliance

Attachment: 2020 Semi-Annual Report No. 1

ec: Barbara Jean Throne

Senior Assistant Attorney General, Complex Litigation

Office of the Attorney General

PL-01, The Capitol

Tallahassee, FL 32399-1050

850-414-3808

Barbara.throne@myfloridalegal.com

Florida Department of Environmental Protection Southeast District – West Palm Beach 3301 Gun Club Road, MSC 7210-1 West Palm Beach, FL 33406

Attn: Compliance/Enforcement Section

Lisa.M.Self@dep.state.fl.us

Mike.Bechtold@dep.state.fl.us

Sed.wastewater@dep.state.fl.us

Meghan.Ticknor@dep.state.fl.us

Mayor Carlos A. Gimenez Miami-Dade County 111 NW First Street 29th Floor Miami, Florida 33128

Kevin T. Lynskey, Director Miami-Dade Water and Sewer Department 3071 SW 38th Avenue Miami, Florida 33146 CD Section IX, Paragraph 33, 2020 Semi-Annual Report No. 1 July 30, 2020 Page 3

> Jack Osterholt, Deputy Mayor/Director Miami-Dade Regulatory and Economic Resources 111 NW 1st. Street. 29th Floor Miami, FL 33128 Josterholt@miamidade.gov

Henry Gillman Assistant County Attorney Miami-Dade County Attorney's Office 111 NW First Street Suite 2810 Miami, Florida 33128

Richard Elliot, P.E., PMP
Environmental Engineer
Water Protection Division
U.S. Environmental Protection Agency – Region 4
61 Forsyth Street. S.W.
Atlanta, GA 30303
Elliot.Richard@epa.gov

Paul Schwartz
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Schwartz.Paul@epa.gov

William A. Weinischke
Senior Trial Attorney
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044
Bill.Weinischke@usdoj.gov



2020 Semi-Annual Report No. 1 (Twelveth Semi-Annual Report)

January 1, 2020 through June 30, 2020

Prepared for

United States Environmental Protection Agency and Florida Department of Environmental Protection

Consent Decree

Case: No. 1:12-cv-24400-FAM

Prepared by

Miami-Dade County, Miami-Dade Water and Sewer Department and the Consent Decree Program Management Construction Management Team



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Acronyms and Abbreviations

AASIS Active As-built Supplemental Information Systems

AC Asbestos Cement

BODR Basis of Design Report

CD Consent Decree

CDWWTP Central District Wastewater Treatment Plant

CIP Capital Improvement Project

CIPP Cured in Place Pipe

CMOM Capacity, Management, Operations and Maintenance

County Miami-Dade County

COVID-19 Novel Coronavirus Disease 2019

DOJ Department of Justice

EFT Electronic Funds Transfer

EPA Environmental Protection Agency

FDEP Florida Department of Environmental Protection

FM Force Main

FMOPMARP Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation

Program

FM R/R P Force Main Rehabilitation/Replacement Program

FOG Fats, Oils and Grease

FSE Food Service Establishments

GDO Grease Discharge Operations

GIS Geographic Information System

GPD Gallons per Day

GPM Gallons per Minute

Acronyms and Abbreviations (continued)

GSS Gravity Sewer System

I/I Inflow/Infiltration

IMS Information Management System

LF Linear Foot

LWT Liquid Waste Transporters

MGD Million Gallons per Day

N/A Not Applicable

NDWWTP North District Wastewater Treatment Plant

NPDES National Pollutant Discharge Elimination System

OOL Ocean Outfall Legislation

PDR Public Document Repository

PS Pump Station

PSOPMP Pump Station Operations and Preventative Maintenance Program

R & R Renewal and Replacement

RER-DERM Department of Regulatory and Economic Resources-Division of Environmental

Resources Management

RTU Remote Telemetry Unit

SCADA Supervisory Control and Data Acquisition

SDWWTP South District Wastewater Treatment Plant

SEP Supplemental Environmental Project

SORP Sewer Overflow Response Plan

SSAMP Sewer System Asset Management Program

SSO Sanitary Sewer Overflow

Acronyms and Abbreviations (continued)

VFD Variable Frequency Drive

VSC Volume Sewer Customer

WASD Miami-Dade Water and Sewer Department

WCTL Wastewater Collection and Transmission Line

WCTS Wastewater Collection and Transmission System

WWTP Wastewater Treatment Plant

1.0 Executive Summary

On May 21, 2013, Miami-Dade County ("County") approved a Consent Decree ("CD") with the United States of America, the State of Florida Department of Environmental Protection, and the State of Florida, in the case styled United States of America et. al. v. Miami-Dade County, Florida, No. 1:12-cv-24400-FAM. On June 6, 2013, the CD was lodged with the United States District Court for the Southern District of Florida ("Court"). The Effective Date of the CD is December 6, 2013 (six months after the date of lodging). On April 9, 2014, the Court approved the CD with the United States of America, the Florida Department of Environmental Protection, and the State of Florida.

The County submits this Semi-Annual Report ("Report") to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) for review and comment in accordance with the requirements of Paragraph 33 of the CD. In accordance with the CD, this Report includes a description of the projects and activities completed and milestones achieved during the previous two (2) calendar quarters (January 1, 2020 through June 30, 2020), and also provides projections for significant projects and activities anticipated to be completed in the next two (2) calendar quarters (July 1, 2020 through December 31, 2020).

On March 18, 2014, the County approved a resolution of commitment not to transfer funds from the collection of sewer rates for purposes not related to the management, operation, or maintenance of the Sewer System or its capital improvement needs. During this reporting period, there were no transfers of funds from the Miami-Dade Water and Sewer Department (WASD) that are required to be tracked and reported by Subparagraph 19(j)(v) of the CD and the Policy Resolutions.

All CD requirements were met for the previous two (2) calendar quarters, with the exception of submitting the Third Annual FOG Control Program Review Report and meeting the final deadlines for two (2) Appendix D Capital Improvement Projects (CIP): 1) CD CIP 2.19 – Co-Gen Facility at Central District Wastewater Treatment Plant (CDWWTP) (May 21, 2020) and 2) CD CIP 5.3 – Upgrade of Pump Station No. 0692 (June 17, 2020).

On June 25, 2020, the County electronically notified the EPA that the preparation of the Third Annual FOG Control Program Review Report was impacted by the Novel Coronavirus Disease 2019 (COVID-19) impacts. The County submitted a Delay Notification to EPA and FDEP on July 22, 2020. The County anticipates submitting the Third Annual FOG Control Program Review Report by September 30, 2020.

In accordance with Section IX, Paragraph 52 of the CD, on January 10, 2020, the County notified EPA/FDEP of a Delay Notification for CD CIP 2.19 – Co-Gen Facility because there is insufficient biogas available to conduct the testing and commissioning of the biogas treatment system installed. The biogas availability is contingent on the completion of the rehabilitation on the CD CIP 2.15(1) - Digester Plant 2 Cluster 1 project at the Central District WWTP. On May 21, 2020, the County provided a Project Status Update and Failure to Meet the Compliance Date

Notification for CD CIP 2.19 to EPA and FDEP. The compliance date for this project was May 21, 2020 and the County anticipates being able to complete the testing of the biogas treatment system in the Fall of 2021.

In accordance with Section IX, Paragraph 52 of the CD, on May 5, 2020, the County notified EPA/FDEP of the Force Majeure Delay Notification for CD CIP 5.3 – Upgrade of PS 0692 due to delays occurring in the execution of this project during the construction phase including Force Majeure Novel Coronavirus Disease 2019 (COVID-19) Pandemic impacts. On June 16, 2020, the County notified EPA/FDEP of the Failure to Meet Compliance Date for CD CIP 5.3 and provided an anticipated completion date of December 31, 2020. The compliance date for this project was June 17, 2020.

The County continues to be fully engaged with the successful implementation and compliance of the CD. First, with the continued development and implementation of the nine new CMOM Program (CD Section VI, Paragraph 19) all of which have been approved. Second, with the execution of the eighty-one (81) capital improvement projects included in Appendix D which have an approximate total cost of \$1.93 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, forty-two (42) projects with a total cost of \$459 million have reached substantial completion and thirty-six (36) projects with an approximate total cost of \$1.34 billion are currently in the procurement and construction phases.

The projects, activities and milestones achieved, and the deliverables submitted to EPA/FDEP are listed in Table 1-1 (page 3). The upcoming projects, activities, milestones, and deliverables for the next two (2) calendar quarters are listed in Table 1-2 (page 5). Additional program and project information is included in the Work Progress Tables and Gantt charts in Appendix A and Appendix B, respectively.

Table 1-1 Completed CD Pro	Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables					
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)		
Make available a copy of each specified Deliverable in the Public Document Repository (PDR) no later than one (1) business day from submission	Section V, para. 9	Ongoing	Ongoing	Yes		
Ensure Adequate Pumping, Transmission and Treatment Capacity under the conditions of CD Appendix A	Section VI, para. 18(a)	Ongoing	Ongoing	Yes		
Continue implementing existing Pump Station Remote Monitoring Program	Section VI, para. 18(b)	Ongoing	Ongoing	Yes		
Continue implementing existing Spare Parts Program	Section VI, para. 18(d)	Ongoing	Ongoing	Yes		
Continued Implementation of Sanitary Sewer Overflow (SSO) Identification and Reporting	Section VI, para. 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes		
Submit Delay Notification Letter for CD CIP 2.19 Co-Gen Facility	Section XI, para. 52 & Section XVII, para. 77	1/10/2020	1/10/2020	Yes		
Post Delay Notification Letter for CD CIP 2.19 Co-Gen Facility in PDR	Section V, para. 9	1 business day after submittal	1/10/2020	Yes		
Submit Payment of FDEP demand for Stipulated Penalties (2017 & 2018) Letter	Section X, para. 42(a) and Order Modifying Section X	Within 30 days of receipt (2/13/2020)	1/16/2020	Yes		
Post Payment of FDEP demand for Stipulated Penalties (2017 & 2018) Letter in PDR	Section V, para. 9	1 business day after submittal	1/16/2020	Yes		
Submit 2019 Quarterly Report No. 4	Section IX, para. 32	1/31/2020	1/31/2020	Yes		
Post 2019 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2020	Yes		
Submit 2019 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2020	1/31/2020	Yes		

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables					
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)	
Post 2019 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2020	Yes	
Submit 2019 Annual Report	Section IX, para. 34	3/2/2020	3/2/2020	Yes	
Post 2019 Annual Report in PDR	Section IX, para. 36	1 business day after submittal	3/2/2020	Yes	
Submit Notification of Completion for CD 2.2 – Building Improvements at CD WWTP	Section XI, para. 52 & Section XVII, para. 77	3/5/2020	3/5/2020 (Submittal Date)	Yes	
Post Notification of Completion for CD 2.2 – Building Improvements at CD WWTP in PDR	Section VI, para. 19(i)	1 business day after submittal	3/5/2020	Yes	
Submit 30-Day Extension for Payment of FDEP Demand for SSO Stipulated Penalties (2019) Letter	Section XI, para. 52 & Section XVII, para. 77	3/12/2020	3/12/2020	Yes	
Post 30-Day Extension for Payment of FDEP Demand for SSO Stipulated Penalties (2019) Letter in PDR	Section V, para. 9	1 business day after submittal	3/12/2020	Yes	
Submit Force Majeure Notification due to COVID-19 Impacts Letter	Section XI, para. 52 & Section XVII, para. 77	4/3/2020	4/3/2020	Yes	
Post Force Majeure Notification due to COVID-19 Impacts in PDR	Section V, para. 9	1 business day after submittal	4/3/2020	Yes	
Submit Project Status Update Letter for CD 2.22 – Pump Station No. 2 at CD WWTP	Section XI, para. 52 & Section XVII, para. 77	4/24/2020	4/24/2020 (Submittal Date)	Yes	
Post Project Status Update Letter for CD 2.22 – Pump Station No. 2 at CD WWTP in PDR	Section V, para. 9	1 business day after submittal	4/24/2020	Yes	
Submit 2020 Quarterly Report No. 1	Section IX, para. 32	4/30/2020	4/30/2020	Yes	
Post 2020 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	4/30/2020	Yes	

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables					
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)	
Submit Force Majeure Delay Notification Letter for CD CIP 5.3 – PS 0692	Section VI, para. 19(i)	5/5/2020	5/5/2020	Yes	
Post Force Majeure Delay Notification Letter for CD CIP 5.3 – PS 0692 in PDR	Section V, para. 9	1 business day after submittal	5/5/2020	Yes	
Submit Force Majeure Delay Notification Letter for CD CIP 3.6 – Disinfection at NDWWTP	Section VI, para. 19(i)	5/5/2020	5/5/2020	Yes	
Post Force Majeure Delay Notification Letter for CD CIP 3.6 – Disinfection at NDWWTP	Section V, para. 9	1 business day after submittal	5/5/2020	Yes	
Submit Failure to Meet Compliance Date and Project Status Update Notification Letter for CD CIP 2.19 Co-Gen Facility	Section XI, para. 52 & Section XVII, para. 77	5/21/2020 (Project Compliance Date)	5/21/2020 (Submittal Date)	Yes	
Post Failure to Meet Compliance Date and Project Status Update Notification Letter for CD CIP 2.19 Co-Gen Facility in PDR	Section V, para. 9	1 business day after submittal	5/21/2020	Yes	
Submit Failure to Meet Compliance Date and Project Status Update Notification Letter for CD 5.3 CIP – Upgrade of PS 0692	Section XI, para. 52 & Section XVII, para. 77	6/17/2020 (Project Compliance Date)	6/16/2020 (Submittal Date)	Yes	
Post Meet Compliance Date and Project Status Update Notification Letter for CD CIP 5.3 – Upgrade of PS 0692 in PDR	Section V, para. 9	1 business day after submittal	6/16/2020	Yes	
Completion of CD CIP 2.2 – Building Improvements at CDWWTP	Section IX, para. 19(i)	9/26/2019	1/17/2020	No	
Completion of CD CIP 2.19 – Co Gen Facility	Section IX, para. 19(i)	5/21/2020	Fall 2021	No	
Completion of CD CIP 5.3 – Upgrade of PS 0692	Section IX, para. 19(i)	6/17/2020	12/31/20	No	

Table 1-2 Upcoming CD Projects, Activities, Milestones, and Deliverables in the Next Two Calendar Quarters				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date	
Submit Third Annual FOG Control Program Review Report	Section VI, para. 19(a)	6/30/2020	9/30/2020	
Post Third Annual FOG Control Program Review Report in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal	
Submit 2020 Quarterly Report No. 2	Section IX, para. 32	7/30/2020	7/30/2020	
Post 2020 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal	
Submit 2020 Semi-Annual Report No. 1	Section IX, para. 33	7/30/2020	7/30/2020	
Post 2020 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal	
Submit 2020 Quarterly Report No. 3	Section IX, para. 32	10/30/2020	10/30/2020	
Post 2020 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal	
CD CIP 2.19 Co-Gen Improvements at CDWWTP	Section VI, para. 19(i)	5/21/2020	Fall 2021	
CD CIP 2.22 Pump Station No.2 at CDWWTP	Section VI, para. 19(i)	4/25/2019	12/31/2020	
CD CIP 3.6 Disinfection at NDWWTP	Section VI, para. 19(i)	9/9/2020	11/25/2020	
CD CIP 4.9 Replace approximately 25 miles of Asbestos Cement Force Main	Section VI, para. 19(i)	10/17/2020	10/17/2020	
CD CIP 5.3 Upgrade of PS 0692	Section VI, para. 19(i)	6/17/2020	12/31/2020	
CD CIP 5.7 Replacement of Switchgear and Rehabilitation of Wetwell at PS 0417	Section VI, para. 19(i)	7/25/2020	7/1/2020	

Table 1-3 is an "Issues Log" which includes issues that have been identified by WASD, Department of Regulatory and Economic Resources-Division of Environmental Resources Management ("RER-DERM"), EPA or FDEP with regard to the CD and any clarifications, decisions or resolutions of these issues.

Table	Table 1-3 Issues Log					
Item	Date	Description	Resolution/Clarification/Decision			
1	7/20/2017	At the July 20, 2017 EPA/FDEP/WASD CD Program Update Meeting, WASD proposed a scope modification for CD CIP 5.9 Replacement of Plumbing and Electrical Equipment at PS 0301.	The scope modification request for CD CIP 5.09, to include the construction of a new Submersible PS, exceeds the CD description and as such will require a revision to the CD Appendix D CD CIP 5.09 schedule. After the presentation, EPA/FDEP requested a formal request for the proposed change. On July 28, 2017, the County sent EPA/FDEP an official scope modification request for CD CIP 5.09 Replacement of Plumbing and Electrical Equipment. On October 16, 2019, the County re-distributed the scope modification for CD CIP 5.9 letter as requested by EPA. This item is pending final decision.			
2	2/13/2018	On February 13, 2018, the County advised EPA, FDEP and Department of Justice (DOJ) that the Public Document Repository (PDR) site would be migrated to a Microsoft cloud-based system. WASD communicated to EPA and FDEP that their Public Information Office (PIO) will continue to provide access to deliverables digitally. Upon request for hard copies, the PIO will provide in accordance with public records law.	On February 14, 2018, EPA, DOJ and FDEP did not object to the proposed migration. Once effective, this migration of PDR site will be included in the next Status Report to the Court. On August 1, 2019, the County electronically notified the EPA/FEP that the PDR was unavailable to the public for an estimated 4 days due to a server failure. The new cloud-based PDR system was put into production on July 31, 2019 and by August 1, 2019 most of the library was restored. On October 4, 2019, the County submitted a letter detailing the timeline of the breach in PDR compliance.			
3	4/19/2018	At the April 2018 CD Program Update Meeting, WASD mentioned that there will be an amendment to the County Ordinance regarding the time a business must connect to a public lateral. In line with federal laws, it will be modified to reflect one (1) year. There is reference in Appendix E Supplemental Environmental Project Plan of the CD, however, indicating a different timeframe, i.e. "Pursuant to existing regulations, businesses will have ninety (90) days to abandon their septic systems and connect to the public laterals."	EPA stated there may be a need to change that language in the CD and that the matter would be discussed with the DOJ. On December 19, 2019, the County provided SEP CD Language to EPA that is under consideration by DOJ. This item is pending final decision.			

Table	Table 1-3 Issues Log					
Item	Date	Description	Resolution/Clarification/Decision			
4	4/19/2018	At the January 24, 2017 monthly meeting, WASD mentioned that the Ocean Outfall Legislation Program is in the process of developing the Conceptual Memorandum. After the development of that Report the change of scope for CD CIP 2.14 CDWWTP Digesters Plant 1 will be submitted to EPA/FDEPA. At the April 2018 CD Program Update Meeting, WASD reported that the complete rehabilitation of Plant 2 Clusters 1, 2, and 3 under CD CIP 2.15 will provide full digestion treatment capacity required for CDWWTP and no improvement for CD CIP 2.14 is anticipated for both the CD and Ocean Outfall Legislation Program (OOL). EPA/FDEP requested that WASD submits a Request for Material Change for CD CIP 2.14.	WASD submitted a Request for Material Change for CD CIP 2.14 to EPA/FDEP on May 21, 2018. The County requested that CD CIP 2.14 be cancelled and deleted from Appendix D-2 of the CD. This item is pending final decision.			
5	12/19/2019	EPA/FDEP to prioritize the review of the CMOM Program Implementation Schedule.	At the December 19, 2019 CD Program Update Meeting, WASD requested an update on the status of the approval for CMOM Program Implementation Schedule submitted on August 6, 2018. Brad Ammons (EPA) committed to prioritize the review of the CMOM Program Implementation Schedule.			
6	2/20/2020	WASD to resend Response to FDEP's comments on the BODR for Thickening and Dewatering Project (CD CIP 1.6, 1.8, 2.12 2.13, 2.16 and 2.18(2))	In the February 2020, WASD required an update on the status of the FDEP's review and approval of the BODR for Thickening and Dewatering Project (CD CIP 1.6, 1.8, 2.12 2.13, 2.16 and 2.18(2)). FDEP requested that the Response to FDEP's comments be resent to facilitate their review. On February 20, 2020, WASD resent the October 2019 communication to FDEP. On March 5, 2020, FDEP issued a conditional approval.			
7	2/20/2020	EPA/FDEP to consider WASD's request to discontinue the Semi-Annual Reporting as per CD Sect. IX Para. 33	In the February 2020 CD Program Update Meeting, WASD requested EPA and FDEP consider discontinuing the Semi-Annual Reporting as per CD Section IX, Paragraph 33: "Six year from the Effective Date of the CD and each subsequent year until termination, the United States, FDEP and Miami-Dade agree to consider whether to discontinue the Semi-Annual Reports." At the April 2020 CD Program Update Meeting, FDEP stated that they had no objection in discontinuing the Semi-Annual Reports. At the June 2020 CD Program Update Meeting, the County advised EPA/FDEP that this request was placed on hold for the time being.			

Table	Table 1-3 Issues Log				
Item	Date	Description	Resolution/Clarification/Decision		
8	4/16/2020	RER-DERM to provide EPA/FDEP with the Project Certifications for CD CIP 5.01 – PS 0418 and CD CIP 5.05 – PS 0415	At the April 2020 CD Program Update Meeting, FDEP requested that RER-DERM provide EPA/FDEP with the Project Certifications for CD CIP 5.01 – PS 0418 and CD 5.05 – PS 0415. On April 16, 2020, RER-DERM provided the requested Certifications.		
9	4/16/2020	Discussion on Force Majeure impacts of COVID-19. The County to collect supporting documentation related to any COVID-19 Force Majeure Claim.	At the April 2020 CD Program Update Meeting, the County provided a summary of the impacts of COVID-19 on Consent Decree CIPs in construction, permitting and procurement phases. FDEP and EPA reiterated that supporting documentation will be needed to evaluate any COVID-19 Force Majeure Claim for delays.		

2.0 Introduction

2.1 Purpose

On June 6, 2013, the CD was lodged with the United States District Court for the Southern District of Florida ("Court"). The Effective Date of the CD is December 6, 2013 (six months after the date of lodging). Six years from the Effective Date of the Consent Decree and each subsequent year until termination, the United States, FDEP, and Miami-Dade agree to consider whether to discontinue the Semi-Annual Reports. If the United States, FDEP and Miami-Dade agree to discontinue the Semi-Annual Reports, such modification shall be considered a non-material change to this CD pursuant to Section XX (Modification); and the information required in Subparagraphs 33(a) through (d) in the CD shall then be included in each Annual Report submitted pursuant to Paragraph 34 of the CD and shall cover the applicable Calendar Year rather than two (2) Calendar Quarters. On April 9, 2014, the Court approved a CD with the United States of America, the Florida Department of Environmental Protection, and the State of Florida. Pursuant to Section IX of the CD, the County is required to submit a Semi-Annual Report to EPA and FDEP. The County has prepared this Semi-Annual Report to satisfy the reporting requirements found in Paragraph 33 of the CD.

2.2 Requirements

As detailed in Section IX of the CD, the County is required to report the following information concerning compliance with the remedial actions set forth under the CD.

- 1. A description of projects and activities completed, and milestones achieved during the previous two (2) Calendar Quarters pursuant to the requirements of the CD, in Gantt chart or similar format, including a description of the status of compliance or non-compliance with the requirements of this CD and, if applicable, the reasons of non-compliance;
- 2. A summary of significant projects and activities anticipated to be performed, and milestones anticipated to be achieved, in the successive two (2) Calendar Quarters to comply with the requirements of the CD, in Gantt or similar format.
- 3. The amount, recipient and the date of transfer or use during the previous two (2) Calendar Quarters of funds obtained by the County from the collection of sewer rates for any purpose not related to the management, operation or maintenance of the Sewer System or to any capital improvement needs of the Sewer System that is required to be tracked and reported pursuant to the Financial Analysis Program set forth in Subparagraph 19(j)(v) of the CD;
- 4. Any additional information the County determines is appropriate to demonstrate that the County is implementing the remedial actions required under the CD in an adequate and timely manner.

2.3 Reporting Schedule

Pursuant to Paragraph 33 of the CD, Semi-Annual Reports are to be submitted to the EPA and FDEP beginning one (1) month after the first two (2) Calendar Quarters following the Effective Date of the CD, and one (1) month after each subsequent two (2) Calendar Quarters until termination of the CD. Since the Effective Date of the CD is December 6, 2013, the first Semi-Annual Report was due by July 30, 2014 according to the above requirement. Subsequent Semi-Annual Reports will be submitted pursuant to Paragraph 33 of the CD. As indicated in Section 2.1 of the Introduction, six (6) years from the Effective Date of the Consent Decree and each subsequent year until termination, the United States, FDEP, and the County agree to consider whether to discontinue the Semi-Annual Reports.

2.4 Reporting Structure

Work progress is presented in the body of the Report in a narrative format, as well as, in Tables found in Appendix A. The narrative includes a brief description of each CD project, as well as, any activities completed or milestones that were achieved in the previous two (2) Calendar Quarters and those anticipated to be completed in the next two (2) Calendar Quarters. In addition to these descriptions, a schedule containing each of the projects in Gantt chart format is provided in Appendix B.

3.0 Work Progress

3.1 Continuation of Capacity, Management, Operations and Maintenance ("CMOM") Programs of the First Partial Consent Decree and Second and Final Partial Consent Decree – Paragraph 18

A summary of the continuing CMOM programs and their status for the previous two (2) Calendar Quarters and the next two (2) Calendar Quarters can be found in Table A-1.1 in Appendix A, Work Progress Tables.

3.2 New CMOM Programs – Paragraph 19(a) through (h), (j)

A summary of the new CMOM programs in Paragraphs 19(a) through (h), (j) and their status for the previous two (2) Calendar Quarters and the next two (2) Calendar Quarters can be found in Table A-2.1 in Appendix A, Work Progress Tables.

3.2.1 Specific Capital Improvement Projects ("CIPs") Program – Paragraph 19(i)

Based on previous investigations the County has identified certain rehabilitation projects that are intended to address conditions currently causing SSOs or contributing to National Pollutant Discharge Elimination System (NPDES) permit violations. In accordance with Paragraph 19(i), these specific capital improvements are identified and described in the Work Plan set forth in Appendix D of the CD. A summary of these CIPs and their status for the previous two (2) Calendar Quarters and the next two (2) Calendar Quarters can be found in Tables A-3.1, A-3.2 and A-3.3 for the WWTPs, Tables A-4.1 and A-4.2 for the Wastewater Collection and Transmission Lines (WCTL) and Table A-5.1 for the Sewer Pump Station Systems in Appendix A, Work Progress Tables.

3.3 Supplemental Environmental Project ("SEP") Plan

This project is being performed pursuant to Section VIII and Appendix E of the CD. The construction of the SEP reached completion on December 26, 2018, ahead of the CD Compliance deadline of November 18, 2019. The County installed at least seven thousand six hundred sixty (7,660) linear feet of new gravity sewer mains within an industrial area which currently has no access to sanitary sewers and relies on septic systems.

The SEP Completion Report was submitted on the CD Compliance deadline of December 18, 2019. The EPA/FDEP review and approval of the SEP Completion Report is pending. Some of the properties required to connect were able to establish sewer connections. At this time, RER-DERM advised that enforcement actions have been hindered by COVID-19 for SEP property owners with overdue Notice of Required Connection.

4.0 Additional Information

According to Paragraph 33(d), this report shall include "any additional information the County determines is appropriate to demonstrate that Miami-Dade is implementing the remedial actions required under this Consent Decree in an adequate and timely manner."

4.1 State's Ocean Outfall Legislation (OOL)

In 2008, the Florida Legislature enacted a law requiring all wastewater facilities in southeast Florida utilizing ocean outfalls for disposal of treated wastewater to reduce nutrient load discharges, cease the normal use of outfalls, and expand reuse systems, all by the end of 2025. The primary approach to reduce outfall use is to install new injection wells at North and Central District Wastewater Treatment Plants (WWTPs).

The EPA, FDEP, and Miami-Dade County acknowledged that the County's implementation of the OOL may impact the scope of scheduling certain CIPs identified in the Consent Decree Appendix D. Pursuant to Paragraph 19(i), any modifications agreed upon in writing by the EPA, FDEP, and the County to this list of projects or schedules set forth in Appendix D shall constitute a non-material change to the Consent Decree as set forth in Section XX (Modification). The following progress was completed during the reporting period.

- At the CDWWTP work has started on drilling seven (7) new Class I municipal injection wells and is progressing ahead of schedule. Two (2) more wells are under a design contract and will be installed in the future for a total of nine (9) municipal wells. The design consultant is at the approximate seventy-five (75) percent design level for the municipal injection wells pump station and associated piping. This portion of the work is in the permitting review stage. WASD received approval to use a new industrial well system from the Underground Injection Control (UIC) section at FDEP and the new system started operation full time in the spring (2 wells). The site plan conceptual design improvements are finished, and coordination with the other designs is underway.
- The conceptual design of the NDWWTP improvements are complete. The designer for high-level disinfection and injection well pump station was started on May 2020. The design contracts for the site preparation and electrical buildings are pending approval. The municipal wells at NDWWTP are designed (100 percent completed), and a UIC construction permit has been received from FDEP. There is substantial permitting required for the site development which is underway. The early works will include installing injection wells on the upland portion of the site, while the wetland and stormwater management permits are being obtained. The COVID-19 related shut-down has delayed USACE's field review. The upland work is being permitted by the City of North Miami. The existing four (4) injection wells are functioning near maximum capacity after a series of capital improvements were completed in 2019 and one (1) well was re-rated in the spring to a higher peak flow rate. Substantial diversions from the outfall is being achieved (60 to 70 percent of daily flow).

Appendix A Work Progress Tables

	Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree						
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters			
18(a)	Treatme impleme Paragra was und transmis within th of the C reports a kept on these re	Treatment Capacity Program is being implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists	1. Continued with the monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility. 2. Placed under Initial Moratorium (IM) Pump Station basins that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Placed under Incomplete Moratorium (IN) Pump Station basins that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami-Dade	1. Continue monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility. 2. Continue placing under Initial Moratorium (IM) Pump Station basins that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Continue placing under Incomplete Moratorium (IN) Pump Station basins that fail to submit ET readings or do not submit them by the 14th of the following month, as required by			
		3.1 Initiated coordination with IT to a generate Notification Letters to all U Private systems when they fail to su 4. Continued to use the WEB applic monthly submittal and tracking of th readings to automatically place purn basins under Incomplete Moratoriur time a Triplicate Reading was detected. 4.1 Initiated coordination with IT to a generate Notification Letters to all U Private systems when report TRIPL		County Code. 3.1 Initiated coordination with IT to automatically generate Notification Letters to all Utilities and Private systems when they fail to submit ETs. 4. Continued to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading was detected. 4.1 Initiated coordination with IT to automatically generate Notification Letters to all Utilities and Private systems when report TRIPLICATE ET readings.	the Miami-Dade County Code. 3.1. Continue Coordination with IT and Code Enforcement group in order to automate enforcement when utilities fail to submit Data on time. 4. Continue to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading is detected. 4.1 Coordinate with IT and Code Enforcement group in order to automate enforcement when utilities fail to submit Data on time.		
			5. Continued generating the monthly NAPOT Status & Sewer Allocation reports for all Utilities and Building Officials. All Utilities and Building Officials were notified how to access the NAPOT Status in the WEB, by using the PS Estimator WEB Application.	5. Continue generating the monthly NAPOT Status & Sewer Allocation reports to Utilities and Building Officials for submittal to WASD for storing in Database repository for DEP access. The report provides the updated Moratorium status for each PS basin within the Utility service areas.			
			6. Sewer Allocations were de-allocated manually for municipalities according to their monthly reports as submitted to RER-DERM.	6. Continue manually de-Allocations for all municipalities according to their completed monthly reports submitted to RER-DERM.			
			6.1 Completed automatic de-allocations of reserved flows for projects that are 10 yrs. or more in the system.	6.1 Continue coordination with IT Department to create a WEB Application to allow Building Officials to report on-line the monthly De-Allocation report.			

	Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters		
		implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A of the CD; monthly capacity certification reports are prepared by RER-DERM and kept on file by WASD. Upon request, these reports will be provided to EPA/FDEP.	7. Due the COVID-19 the Quarterly Utility Round Table (URT) Meetings scheduled for April-2020 was not held. The utilities were notified that the next URT meeting (Virtual) was to be held in July	7. Will hold two (2) Virtual Quarterly Utility Round Table (URT) Meetings with all Utilities and/or Utility Representatives to discuss/review compliance issues.		
			8. Continued to use the PS system/database to track PS basins, new or upgraded with 26 HP or larger, required to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.	8. Continue requiring/notifying all Utilities that propose or upgrade PS with 26 HP pumps, or larger, to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.		
18(a)			9. Continued to review Sanitary Sewer System Evaluations or Amendments as submitted by the utilities. PS moratoriums were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.	9. Continue to review Sewer System Evaluations Systems (SSES) reports or Amendments when submitted by the utilities. PS moratoriums will be reverted as the utilities demonstrate compliance with the SSES, Code requirement of 5,000 GPDIM.		
- (-)			9.1 Initiated the update of the 3rd Cycle SSES Requirements / Guidelines due by 11/12/2022 for distribution to all utilities	9.1 Complete the update of the 3rd Cycle SSES Requirements / Guidelines due by 11/12/2022 for distribution to all utilities		
			10. Completed the reviews of Water & Sewer As- Built / Atlas from the Utilities. In last URT meeting the Utilities were notified that a more detailed review of the submittals was to be performed. However, due to COVID-19 reviews were placed on hold.	10. Continue the review the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January-2020 to assure compliance with Code requirements. Atlases are used by staff to determine Adequate Pumping, Transmission and Treatment capacity. A formal notification to the utilities will be sent.		
			11. Updated Moratorium status of PS basins for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.	11. Continue Updating Moratorium status of PS basins for which the utilities completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.		

	Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree						
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters			
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program (continued)	was undertaken to ensure that adequate transmission and treatment capacity exists	12. Initiated Electronic reviews for construction permits pertaining to new or upgrades of Domestic Wastewater Collection and transmission systems under the jurisdiction of the County's Miami-Dade Water and Sewer Department (WASD). 12.1 Due to COVID-19, electronic reviews for all other municipal utilities than WASD was established. All reviews for new or upgrades of Domestic Wastewater Collection and transmission systems were done electronically since the County started "work from home" program in April-2020.	12. Continue electronic reviews for new construction permits or upgrades of Domestic Wastewater Collection and transmission systems for ALL utilities in the County.			
			13. Established and implemented a CONCURRENT review process for new or upgrades of Domestic Wastewater Collection and transmission systems under the jurisdiction of the County's Miami-Dade Water and Sewer Department (WASD).	13. Continue with CONCURRENCY reviews for new or upgrades of Domestic Wastewater Collection and transmission systems under the jurisdiction of the County's Miami-Dade Water and Sewer Department (WASD).			
			14. Initiated coordination with IT to create a WEB Application to allow Building Officials to report the monthly De-Allocation report.	14. Continue coordination with IT Department to create a WEB Application to allow Building Officials to report the monthly De-Allocation report.			
18(b)	Pump Station Remote Monitoring Program	The Pump Station Remote Monitoring Program is being implemented in accordance with Paragraph 18(b) of the CD. The continuing program involves the installation and operation of remote monitoring equipment in all Pump Stations in the Wastewater Collection and Transmission System (WCTS) within 6 months after the County becomes operationally responsible for Pump Station. The pump station monitoring system shall continuously monitor, report and transmit data.	Work on the program has been ongoing.	Work on the program is ongoing and will continue beyond December 31, 2020.			

	Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree						
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters			
18(c)	Wastewater Collection and Transmission System Model	· ·	modeling evaluations to assess the effect of modifications to the WASD sewer collection system as a result of PSIP projects, CD projects, and CIP projects on operating conditions of the WASD WCTS. Updates were completed for the following projects: PSIP model updates were completed for the following pump stations: PS1008, PS0860,	Continue to support design and construction teams through hydraulic modeling evaluations to assess the effect of modifications to the WASD sewer collection system as a result of CD projects on operating conditions of the WASD WCTS. Continue the update of WCTS Hydraulic Model network geometry in order to match the current conditions of the system, these updates include addressing discrepancies identified in the model network through evaluation of as-built drawings, equipment O&M information and GIS data. -As part of this effort WCTS effective model inflows were updated based on WASD's 2019 Water Billing Data -The 2019 inflow hydrographs will be further updated with SCADA data from different volume sewer customers.			

	Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters		
18(c)	Wastewater Collection and Transmission System Model (Continued)	and implementation of CMOM programs to optimize transmission capacity and to evaluate the impact of I/I rehabilitation projects; proposed modifications, upgrades and expansions to the WCTS; and performance of the WCTS. The WCTS model can also be used to simulate the manifolded Force Mains and private Pump Stations which manifold into the County's Force Main system.	-Addition of private pump stations PPS69361 and PPS60092Updates to point of connection for PS0464 -Updates to force main network in basin PS0125, PS0126, and PS0733Updates to location of Hialeah pump stations HIA.PS.200 The CD PMCM team delivered an updated version of the WASD WCTS effective model to WASD Planning division, which incorporated all the changes listed abovePump Station Dashboard that provides a detailed summary/overview of the pump station results for existing scenario annual average daily flow condition was delivered along with the effective modelThe model inflow hydrographs were updated with 2019 SCADA data. This effort constitutes the compliance with Section VI, Paragraph (18).(c).(iv) of the Consent Decree.			
18(d)	Spare Parts Program	The Spare Parts Program is being implemented in accordance with Paragraph 18(d) of the CD. This program is a continuing inventory management program for spare parts for the WCTS and WWTPs.	Work on the program has been ongoing.	The existing program will be enhanced as the new CMOM Programs are implemented. Work on the program is ongoing and will continue beyond June 30, 2020.		

	Table A-1.1 Continuatio	n of CMOM Programs of the First Partial	Consent Decree and the Second and Final Con	sent Decree	
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters	
18(6)		Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	were amended in accordance with 1. Monitored and tracked the monthly submitt Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise 1. Monitored and tracked the monthly submitt of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.		Continue Monitoring and tracking of the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.
			2. Placed under Moratorium Pump Stations (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).	2. Continue placing under Moratorium Pump Station (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).	
			3. Placed under Incomplete Moratorium (IN) Pump Station basins under the jurisdiction of the Volume Customer utilities that failed to submit ET readings, or not submitted, by the 14th of the following month, as required by the Miami-Dade County Code.	jurisdiction of the Volume Customer utilities that	
			3.1 Initiated coordination with IT to automatically generate Notification Letters to all Utilities and Private systems when they fail to submit ETs.	3.1. Continue coordination with IT and Code Enforcement group in order to automate enforcement when volume sewer utilities fail to submit Data on time.	
			4. Updated Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.	4. Continue updating Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utilities complete and certify the Corrective Action Plan(s) (CAP) to bring basin's Nominal Average Pump Operating Time (NAPOT) below the 10 hours.	
			5. Created the Volume Sewer Customer Utilities monthly Nominal Average Pump Operating Time (NAPOT) Status Report. Moratoriums were updated accordingly.		
			6. Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.	6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.	
			ϵ		
			7.1 Placed Moratoriums on basins that experienced multiple SSOs, in order to minimize or prevent additional SSOs.	7.1 Implement Moratoriums as needed to minimize or prevent additional SSOs.	

	Table A-1.1 Continuatio	n of CMOM Programs of the First Partial	Consent Decree and the Second and Final Consent Decree		
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters	
18(e)		be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to	Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, submitted by the	8. Continue to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, as submitted. PS moratoriums will be reverted if the utilities demonstrate compliance with the 5,000 GPDIM SSES Code requirement or the moratorium status remains if the utility does demonstrate compliance.	
		implementation	9. Followed-up on the enforcement action against utilities that reported SSOs during this period. Moratoriums were placed on repeat SSO to prevent future discharges subject to the utility implementation of corrective actions.	9. Continue enforcement action against any utility that experiences repeat SSOs and implement monitoring and/or inspections, as needed, with the intend to prevent or minimize SSOs. Moratoriums will be placed in cases of repeat SSOs pending the submittal of corrective actions by the utility,	
			10. Continued closed coordination with City of Opa-Locka management regarding the Consent Agreement (CA) completed and signed by the City officials for repeat SSOs during previous periods. The CA outlined actions to prevent SSOs and to complete needed rehabilitation to bring the sanitary sewer collection/transmission system into full compliance.	10. Continue coordination with the DERM Enforcement Group to assure the Volume Sewer Customer Utility of Opa-Locka complies with the CA specific requirements and deadlines to bring the utility into full compliance.	
			11. No additional monitoring of the WCTS of Opa-Locka to assure system is operating under normal conditions was needed for this reporting period.	11. If needed, re-establish a close monitoring of the WCTS of Opa-Locka to assure system is operating under normal conditions.	
			12. Due to COVID-19 no meetings were held with the Utility/Municipal Officials during this period.	12. As needed, schedule additional meetings with the Utility/Municipal officials.	
			13. Implemented automatic De-Allocations of reserve flows that have been in the database for 10 years or more. This process provided additional flow capacity for new/future developments.	13. Continue to De-Allocate reserved flows that have been in the database for 10 years or more. This process provided additional flow capacity for new/future developments.	
			14. All Volume Sewer Customer utilities and/or representatives were invited to the Virtual URT Meeting on July-2020	14. Continue to use the Virtual URT meeting to share with all Volume Sewer Customer utilities about Code Requirements, Compliance status, and ways to improve efficiency in all programs involving.	

	Table A-1.1 Continuation	on of CMOM Programs of the First Partial	Consent Decree and the Second and Final Con	sent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar (2) Quarters
		The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	15. Reviewed Annual and Semi-annual reports submitted by the Volume Sewer Customer Utilities, which include Illicit Stormwater Connections, SSES and CMOM work related reports.	15. Review the Annual and semi-annual reports as submitted by the Volume Sewer Customer Utilities, for Illicit Stormwater Connections, SSES and CMOM work related reports.
	F E E		16. Compiled notes from the reviews completed of all Volume Sewer Customer Utilities about the GIS Water & Sewer As-Built / Atlases submitted.	16. Continue reviews of the GIS Water & Sewer As-Built / Atlases submitted by each Volume Sewer Customer Utility in January-2020 to assure compliance with Code requirements.
18(۵)			17. Completed an inspection program of all public sanitary sewer pump stations in the County. The inspections included coordination with all utilities when requested to respond to issues encountered during the inspections.	17. Plan next inspection program of all public sanitary sewer pump stations.
				18. Complete review of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities. Enforcement actions to be implemented accordingly.
				19. Complete the review of televising reports received from the utilities having sanitary sewer collection and transmission systems within well field protection areas.

	Table A-2.1 New CMOM Programs				
Paragraph	Project Name	Project Description	Actions Completed During Previous	Anticipated Actions to Be Performed in the Next	
raragrapii	Froject Name		Two (2) Calendar Quarters	Two (2) Calendar Quarters	
		Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the	Provided updated in-house training to FOG Control Technicians and Inspectors.	Provide updated in-house training to FOG Control Technicians and Inspectors.	
			Flyers were distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.	Update and distribute Outreach flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.	
		on September 7, 2017 and enacted by The Board	 Continued FOG Outreach, including workshops (e.g., West Coast Inspectors Workshop, and FOG and Utility Round Table meetings). 	 Continue FOG Outreach, including West Coast Inspectors Workshop, and FOG and Utility Round Table meetings. 	
	Fats, Oils and Grease Control Program	and ontrol	4. Continued to receive monthly hauled waste disposal data from MD-WASD and Pompano/Broward using the eManifest system. Assigned FOG Inspectors to run eManifest Reports and schedule inspections based on findings.	4. Continue to receive monthly hauled waste disposal data from MD- WASD and Pompano/Broward. Assign FOG Inspectors to run eManifest Reports and schedule inspections based on findings.	
19(a)			Updated FSE FOG Operating Permit (GDO) conditions, and included training requirements.	5. Review FSE FOG Operating Permit (GDOs) conditions and update accordingly.	
			6. Continued enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Completed 93.9%.	6. Continue enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Goal to achieve 100% compliance by June 2019 has been delayed. Facilities that remain out of compliance (6.1%) continue to be under enforcement.	
			Discussed potential updates to the Liquid Waste Transporter (LWT) permit conditions.	7. Review LWT Permit conditions and update accordingly.	
			, ,	8. Restart performing monitoring "NO COMMINGLING of FOG" and taking enforcement actions to correct violations, as applicable. Restart performing inspections at the South District Wastewater Treatment Plant. Inspections will include 1 day per week and one Saturday per month. All of this depending on COVID-19.	
			 Continued to receive eManifest from LWTs. LWTs not submitting eManifest were advised that their operating permit would not be renewed. 	Continue compliance assistance and enforcement for LWTs not using eManifest and/or operating without a valid operating permit.	

	Table A-2.1 New CMOM Programs					
B	Duois et Neues		Actions Completed During Previous	Anticipated Actions to Be Performed in the Next		
Paragraph	Project Name	Project Description	Two (2) Calendar Quarters	Two (2) Calendar Quarters		
		Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control		10. Continue to perform and track FOG Construction Inspections. Document inspection results to improve FOG Plan Review procedures. Work on developing an on-line FOG Construction Inspection portal.		
		Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP	11. Continued to track FOG Hot Spots and identify sources(s) and root cause(s). Continued to collect monthly accelerated FOG maintenance reports from utilities.	11. Continue to track FOG Hot Spots and identify sources(s) and root cause(s). Take enforcement as required to remedy FOG Hot Spots. Complaints will be reviewed and prioritized for inspections accordingly.		
		on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018.	12. Continued to work with equipment manufacturers to get FOG Control Devices approved for FOG2.0.	12. Continue to work with equipment manufacturers to get FOG Control Devices approved for FOG2.0.		
19(a)		2018.	13. Implemented FOG related tasks associated with LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual, including reviewing random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste. Also, reviewed monthly FOG facility effluent sampling data for parameter trends. Updated training requirements for disposal facilities.	13. Continue to random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste, according with the LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual. Also, review monthly FOG facility effluent sampling data for parameter trends. Also includes updating training requirements for disposal facilities.		
			14. Continued to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 3rd FOG Control Program Annual Review Report.	14. Continue to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 4th FOG Control Program Annual Review Report.		
			15. Developed or approved training programs for 2020 permitting cycle for LWTs and Disposal Facilities. Pending implementation by WASD.	15. Continue developing or approving training programs for 2020 permitting cycle for LWTs and Disposal Facilities.		
			16. Continued the Public Outreach program in collaboration with MDC-WASD. Some events scheduled for the last two quarters were cancelled because of COVID-19.	16. Continue preparing and implementing Public Outreach program outline and schedule in collaboration with MDC-WASD. Implementation of the Residential Outreach program due by March 5, 2020 has been impacted by COVID-19. Its implementation might still be delayed by COVID-19.		
			17. Contacted local business improvement districts (BIDs) to improve the outreach for businesses.	17. Coordinate meetings with local business improvement districts (BIDs) to improve the outreach for businesses.		

		Tak	ole A-2.1 New CMOM Programs	
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
		Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control	18. Continued working in collaboration with municipalities to reduce FOG impact in the Collection system, including sharing information and resources. Specifically City of Miami Beach, Town of Medley and Coral Gables.	18. Continue working in collaboration with municipalities to reduce FOG impact in the Collection system, including sharing information and resources. Specifically City of Miami Beach, Town of Medley and Coral Gables.
		involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP	19. Continued quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.	19. Continue quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.
		on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	20. Continued enforcement (and compliance assistance) with FSEs to procure compliance with the current regulations. This includes unpermitted facilities, as well as existing facilities with FOG discharges over the minimum allowed, or not complying with operating permit conditions.	20. Continue enforcement (and compliance assistance) with FSEs to procure compliance with the current regulations. This includes unpermitted facilities, as well as existing facilities with FOG discharges over the minimum allowed, or not complying with operating permit conditions.
			21. Planned to implement annual routine inspections to the current 7,434 GDO permitted facilities.	21. Plan to implement annual routine inspections to the current 7,434 GDO permitted facilities, pending approval of additional staff.
19(a)	Fats, Oils and Grease Control Program (Continued)		22. Collected data for Hot Spots from utilities and continued to perform complaints inspections. Because of COVID-19 these inspections are on hold.	22. Begin Hot Spot inspections and continue complaints inspections. Estimated as 336 inspections per year, pending approval of additional staff. Pending also on COVID-19.
			23. Planned to implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages.	23. Implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages, pending approval of additional staff.
				24. Begin confirmation inspections to facilities reported as closed. Estimated that 50% of the total 3,766 facilities are expected to be inspected by 2021, pending approval of additional staff. Also it will depend on COVID-19.
			25. Continued reviewing OL/CU/LBTR applications for FSEs. To assure compliance with FOG Control Program regulations.	25. Continue reviewing OL/CU/LBTR applications for FSEs. To assure compliance with FOG Control Program regulations.
			26. Continued reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).	26. Continue reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).
			27. FOG Accelerated Maintenance Application was completed and implemented. However, it was found after implementation that updates were needed.	27. Complete update and re-implementation of FOG Accelerated Maintenance Application.

	Table A-2.1 New CMOM Programs					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters		
19(a)	FOG Control Program (Continued)		28. Performed inspections in response to SSOs due to grease	28. Continue inspections in response to SSOs due to grease		
19(b)	Sewer Overflow Response Plan	The SORP is a program for identifying and reporting SSOs. The SORP is being implemented in accordance with Paragraph 19(b). This Plan will establish timely and effective methods and means of responding to, cleaning up, and/or minimizing the impact of SSOs; timely reporting of the location, volume, cause, impact, and other pertinent SSO information to the appropriate regulatory agencies; and timely and effective notification of SSOs to potentially impacted public. In addition, the plan involves a re-evaluation of the County's previous program.	Work on the program was ongoing: 1. Continued all required SSO reporting 2. Continued holding monthly SSO evaluation meetings 3. Continued the development of Consolidated SSO Database, including the Building Backup Application.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2020.		
19(c)	Information Management System Program	The IMS Program is being developed in accordance with Paragraph 19(c). This Program will aid County managers and field supervisors to adequately track scheduled operational and maintenance activities; evaluate operations, maintenance, customer service and Sewer System rehabilitation activities and improve overall Sewer System performance.	Work on the program was ongoing: 1. Continued working on transitioning PCTS software from Proliance to e-Builder, to enhance Construction Contracts Management project close-out business practices. 2. Continued the development of CMOM performance measures and KPI tracking.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2020.		
		involves completing the estimated 1800 GIS backlog projects and estimated 2000 reported GIS data inconsistencies prior to June 7, 2017. seographic information ystems rogram	Manhole rim and pipe inverts and their inclusion into GIS - Completed. Updates continue as part of the GIS data maintenance process.	SPIDER manhole inspection solutions has been implemented and is currently being reconfigured to meeting changing procedural requirements. GIS integration in progress with updates to continue.		
			Streamlining the manual as-built to GIS process to satisfy 90 day requirement – Completed. Improvements continue as opportunities arise.	The GIS integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2020 Annual Report.		
19(c)(x)			, ,	The GIS Hydraulic Model integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2020 Annual Report.		
			4. GIS Training Refresher Program - Ongoing.	Training courses continue to be offered on a monthly basis or for specific teams as requested.		
			5. Electronic As-Built Submittal - Completed.	Enhancing processes, including CAD, to facilitate automate CAD to GIS conversion. As-built LISP script validation completed. CAD auto-convert to GIS format completed. Enterprise GIS and eBuilder integration in progress.		

		Tal	ble A-2.1 New CMOM Programs	
Paragraph	Paragraph Project Name Project Description		Actions Completed During Previous	Anticipated Actions to Be Performed in the Next
i aragrapii	1 Toject Nume	r roject Bescription	Two (2) Calendar Quarters	Two (2) Calendar Quarters
19(d)	Sewer System Asset Management	The Sewer System Asset Management Program is being developed in accordance with Paragraph 19(d). This Program will maintain a desired level of service for the County's Sewer System considering life cycle cost to ensure compliance with regulatory requirements and the CD.		Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2020.
19(e)		The Gravity Sewer System Operations and Maintenance Program is being developed in accordance with Paragraph 19(e) of the CD. This Program will address SSOs, particularly those caused by FOG, roots and/or debris obstructions. The program will facilitate proper operation and maintenance activities associated with gravity mains in the WCTS.	Work on the program was ongoing: 1. Continued to deploy Smart Covers to "hot spots" to closely monitor and prevent SSOs. 2. CCTV contract to inspect for gravity sewer mains for Pump Station 0001 was awarded. 3. CCTV inspection matrix was developed for a 10 year cycle.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2020.
19(f)		The Pump Station Operations and Preventive Maintenance Program is being developed in accordance with Paragraph 19(f) of the CD. This Program will facilitate proper operation and maintenance activities associated with the Pump Stations within the WCTS.	Work on the Program was ongoing: Implementation of upgrades to the Pump Station Division's electronic asset management system to include Problem, Failure, Action, and Cause codes, and Preventative Maintenance schedules	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2020. Review and revision of existing Equipment and Preventative Maintenance Schedules. Updates to Construction Management Business Process.
19(g)	Maintenance and Assessment/ Rehabilitation Program	The Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program is being developed in accordance with Paragraph 19(g) of the CD. This program will facilitate proper operations and maintenance activities associated with Force Mains within the WCTS. It will also help produce a criticality assessment of the structural integrity of its Force Mains and the risk of Force Main critical failure. The Force main Rehabilitation/Replacement Program includes standard procedures for repairing, rehabilitating and replacing force mains.	Work on the Program was ongoing: 1.The Force Main Assessment Program is pending approval of the Criticality Assessment and Prioritization Report (submitted to the EPA/FDEP on July 17, 2018). 2. Re-inspection cycle for 60-inch and 66-inch PPCP pipes in the south area of the County was completed	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2020. Re-inspection cycle for 72-inch PPCP pipes in the south area of the County to take place.

		Tai	ble A-2.1 New CMOM Programs	
Paragraph	Project Name	Project Description	Actions Completed During Previous	Anticipated Actions to Be Performed in the Next
raragrapn		· ·	Two (2) Calendar Quarters	Two (2) Calendar Quarters
19(h)	WWTP Operations and Maintenance Program	The WWTP Operations and Maintenance Program is being developed in accordance with Paragraph 19(h) in the CD. This program will facilitate proper operation, maintenance and equipment replacement activities associated with the WWTPs.	1. Continued random collection of hauled waste as a standard practice. The random sample collection practice and procedures used at the SDWWTP are in accordance with EPA's Handbook Guidance Manual for Control of Hauled Wastes EPA 833 B 98 003, Section 24-42.4 of the Miami-Dade Code, and the Hauled Waste Guidance Manual. 2. RER-DERM/WASD Coordination Meetings were held at SD WWTP on January 15, 2020 and online via Microsoft Teams on June 3, 2020 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31st, 2020. Next RER-DERM/WASD Coordination Meetings will be held on September 2, 2020 and November 25, 2020 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.
19(j)	Financial Analysis Program	The Financial Analysis Program is being implemented in accordance with Paragraph 19(j) of the CD. The purpose of this program is to effectively establish and track the sufficiency of funds for operations and maintenance, capital projects financing, and debt service coverage associated with the Sewer System, including, without limitation, the continued Work pursuant to the CD.	Work on the program was ongoing. Financial Analysis Program Report, which includes the expenditures for both operating and capital from FYTD October 2019 thru March 2020 can be found in Appendix C.	Work on the program will be ongoing and will continue beyond December 31, 2020.

	Table A-3.1 South District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
1.1	Headworks	The SDWWTP Headworks project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves routine repairs on existing bar screen mechanisms in headwork structure prior to aerated grit chambers. Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the plant headworks structure towards nearby surface waters, especially during peak wet weather.	This project reached substantial completion on November 6, 2019 ahead of CD compliance date of February 23, 2020.	N/A	
1.2	Oxygen Production	The SDWWTP Oxygen Production project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new electrical building which include new electrical equipment, procure and install a new compression unit #4 and retrofit existing air compression unit #3.	Construction continued.	Construction will continue.	
1.3	Oxygenation Trains	The SDWWTP Oxygen Trains project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to retrofit aeration mixers and rehabilitate and apply surface coating to the structure. This project was split into three child projects: (1) for the structural rehab of the trains, (2) for the electrical building expansions and mixer upgrades (OOL) and (3) oxygenation train - SS 5/6 and SS 15/16 (OOL).	structural rehab continued. 1.3(2) Permitting for Electrical Building	SS 15/16 will be completed. Permitting will	
1.4	Chlorine Building	The SDWWTP Chlorine Building project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves replacement of motor control centers, relocation of electrical panels and roof repairs of the old chlorine building where flushing water pumps are to remain.	Permitting continued. Procurement commenced	commence. Permitting and procurement will be completed Construction will commence.	
1.5	Effluent Pump Station	The SDWWTP Effluent Pump Station project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves an upgrade of the existing obsolete pump control systems, upgrade of the pumps drives and motors, and structural rehabilitation of pump station wet well, i.e. chambers 1 through 4. This project has been split into three separate child projects: (1) structural rehabilitation of the effluent pump wet wells; (2) the building improvements and equipment for the remaining pumps (1-6); (3) the electrical equipment associated with pumps 7,8 and 9.	1.5(1) This child project reached substantial completion on May 26, 2020. 1.5(2) Construction continued. 1.5(3) Completed on January 23, 2016.	1.5(1) N/A 1.5(2) Construction will continue. 1.593) N/A	
1.6	Gravity Sludge Thickeners	The SDWWTP Gravity Sludge Thickeners project will be performed pursuant to Paragraph 19(i) and Appendix D. The objective of this project is to provide a combined Thickening and Dewatering facility under one common building. The existing sludge concentrators will be abandoned and a centrifuge thickening system will be utilized. This project is being performed under design-build delivery method.	30, 2018. Project was readvertised in November,		

	Table A-3.1 South District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
1.7	Digesters and Control Buildings	The SDWWTP Digester and Control Buildings project will be performed pursuant to Paragraph 19(i) and Appendix D. The project involves the rehabilitation or replacement of digester roofs for Clusters 1 and 2; digester tank cleaning, structural rehabilitation and coating, sludge mixers improvement. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project also includes the construction of a new substation 7 & 8, a new Acid Phase Building and new Gas Flares.	Construction continued.	Construction will continue.	
1.8	Dewatering Facility	The SDWWTP Dewatering Facility project is being performed pursuant to Paragraph 19(i) and Appendix A. The purpose of this project is to replace the existing interim dewatering building with a new permanent dewatering facility. This will improve sludge dewatering and decrease solids accumulation in the secondary treatment process and prevent effluent limit violations. This project is being performed under design-build delivery method.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)		
1.9	FOG Removal Facility	The SDWWTP FOG Removal Facility project is being performed pursuant to Paragraph 19(i) and Appendix D. The current FOG separation tank is not capable of adequately handing solids load, resulting in excess odors and unanticipated manual labor to remove large amounts of grit, settled soils and hardened grease. The purpose of this project is to improve separation operations to the recently constructed FOG removal facility. This will result in the conveyance of oils and floating grease to a beneficial use option process and the removal of excess grit and settled solids.	This project reached substantial completion on March 26, 2019 ahead of the CD compliance date of May 24, 2019.	N/A	
1.10	Odor Control	The SDWWTP Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to upgrade the odor control facilities serving Headworks Plant 1 and Plant 2.	Design was completed and permitting continued. Procurement commenced	Permitting and procurement will be completed. Construction will commence.	
1.11	General Electrical	The SDWWTP General Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical equipment, controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1.1) SDWWTP Substation 9-12; 1.2) Generator Repairs; 2) Replacement of primary feeders from Main Switchgear A & B to Effluent Pump Station Pumps 1-6 (Part of 1.05(2))	1.11(2) Construction continued.	1.11(1.1) Procurement (Re-Bid) will be completed and construction will commence. 1.11(1.2) Procurement will be completed. Construction will commence. 1.11(2) Construction will continued.	

	Table A-3.1 South District WWTP Capital Improvement Projects				
Proje Num	_	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1.1	2 Cha Stru	orine Contact	The SDWWTP Chlorine Contact Chamber Structural project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the structural rehabilitation and coating of chlorine contact chambers 1 through 4. This project was split into two child projects: 1.12(1) Chlorine Contact Chamber Actuator Replacement; and 1.12(2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement.	1.12(1) Actuator Replacement reached substantial completion on June 5, 2018. 1.12(2) Construction for or Structural rehab. of contact chambers # 3 and #4 continued. Procurement for Structural rehab. of Contact Chamber #2 commenced.	1.12(2) Construction for Structural rehab. of contact chambers # 3 and #4 will be completed. Procurement for Structural rehab. of contact chamber #2 will be completed and construction will commence.

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
2.1	Electrical Improvements	The CDWWTP Electrical Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple components to reflect more accurately reflect the way the work is being executed: 1) CDWWTP General Electric In-house Construction - Substations 1 and 2. 2) Substations 3, 4A, 4B, 5 & 6 – This work is part of Project 2.27(2). 3) Substations 9 & 10 - This work is part of Project 2.10(1). 4) Substations 11 & 12 – This work is part of project 2.11. 5) Substations 15 & 16 – This work is part of Project 2.15(1). 6) Substations 7A, 8A, 9A & 10A	conjunction with other CD projects. 2.1(1) Construction Sub-Stations 1 & 2 Completed on May 5, 2016. 2.1(2) Construction continued. 2.1(3) Construction continued.	2.1(2) Construction will continue. 2.1(3) Construction will continue. 2.1(4) Construction will continue. 2.1(5) Construction will continue. 2.1(7) Construction will continue.	
2.2	Building	Asbestos Abatement. 1b) Administration Building Interior Improvements 1c)	on January 17, 2020. 2.2(1a) Completed on June 1, 2015. 2.2(1b) Construction was completed on January 17, 2018.	N/A	
2.3	Headworks Plant 1	The CDWWTP Headworks/Grit Basin Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure.	This project reached substantial completion on March 7, 2019 ahead of the CD compliance date of March 16, 2019.	N/A	
2.4	Headworks Plant 2	The CDWWTP Headworks/Grit Basin project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure.	This project reached substantial completion on August 13,2019 ahead of CD compliance date of August 23, 2019.	N/A	
2.5	Oxygenation Trains Plant 1	The CDWWTP Oxygenation Trains Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application. Mixer retrofits were completed in early 2014. Structural rehabilitation work for Train #2 and Train #3 were performed by WASD in-house forces during the dry seasons.	This project reached substantial completion on June 22, 2018 ahead of the CD compliance date of April 12, 2019.	N/A	

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
2.6	Oxygenation Trains	The CDWWTP Oxygenation Trains Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application.	Construction for Train #2 structural rehab continued. Procurement for Train #4 structural rehab continued.	Construction for Train #2 structural rehab will be completed. Procurement for Train #4 structural rehab will be completed and construction will commence.	
2.7	Secondary Clarifiers Plant 1	The CDWWTP Secondary Clarifiers Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure and replace the sludge collection mechanisms in the plant. This project has been split in 3 child projects: 1) Secondary Clarifiers Plant 1 RAS pump discharge piping. 2) Secondary Clarifiers Plant 1 Train Mechanisms. 3) Secondary Clarifiers Plant 1 Structural Rehab.	2.7(3) Procurement and construction	2.7(1) Procurement will continue. 2.7(2) Construction will continue. 2.7(3) Procurement and construction will continue.	
2.8	Secondary Clarifiers Plant 2	The CDWWTP Secondary Clarifiers Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure, replace the sludge collection mechanisms in the plant and provide electrical equipment for new annex building. This project has been split into three child projects: 1) RAS pump discharge piping, 2) Train Mechanisms, and 3) Structural Rehab.	2.8(1) Construction continued.2.8(2) Construction continued.2.8(3) Procurement and construction continued.	2.8(1) Construction will continue. 2.8(2) Construction will continue. 2.8(3) Procurement and construction will continue.	
2.9	RS Pump Stations Plant 1	The CDWWTP RS Pump Stations Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. Work on this project will be performed in conjunction with Project 2.7.	Permitting was completed. Procurement commenced.	Procurement will continue.	
2.10	RS Pump Stations Plant 2	The CDWWTP RS Pump Stations Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. This project has been split into 2 separate child projects: 1) Return Sludge PS Plant 2 - RAS Pump, 2) Return Sludge PS Plant. 2 - RAS Line.	2.10(1) Construction continued. 2.10(2) Construction of RAS Header Pipe was completed on July 7, 2017.	2.10(1) Construction will continue.	
2.11	Effluent Pump	The CDWWTP Effluent Pump Station project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the pump motors and related electrical equipment in the effluent pump station.	Construction continued.	Construction will be completed.	

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
2.12	Sludge Thickeners Plant 1	The CDWWTP Sludge Thickeners Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the thickened sludge pumps, sanitary sewer pumps, HVAC and electrical systems in the concentrator pump station. The objective of this project is to provide a combined Thickening and Dewatering facility under one common building. The existing sludge concentrators will be abandoned and a centrifuge thickening system will be utilized. This project will be performed in conjunction with projects 2.13 and 2.16 under a designbuild delivery method.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)	Procurement will be completed. Design/Build Construction will commence.	
2.13	Sludge Thickeners Plant 2	The CDWWTP Sludge Thickeners Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the thickened sludge pumps, sanitary sewer pumps, HVAC and electrical systems in the concentrator pump station. The existing sludge concentrators will be abandoned and a centrifuge thickening system will be utilized. This project will be performed in conjunction with projects 2.12 and 2.16 under a design-build delivery method.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)	Procurement will be completed. Design/Build Construction will commence.	
2.14	Digesters Plant 1	The CDWWTP Digesters Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the complete rehabilitation of sludge digester clusters, i.e. roofs, concrete structures, recirculation and transfer pumps, mixers, and electrical pumps. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project has been split into 2 different child projects; 2.14(1) refers to digesters in Cluster 1 and 2.14(2) refers to digesters in Cluster 2.	On May 21, 2018, the County requested a Material Change to CD to cancel this project. Request under EPA/FDEP consideration.	Pending consideration of EPA/FDEP.	
2.15	Digesters Plant 2	The CDWWTP Digesters Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the complete rehabilitation of sludge digester clusters, i.e. roofs, concrete structures, recirculation and transfer pumps, mixers, and electrical pumps. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project has been split into 4 different child projects; 2.15(1) refers to digesters in cluster 1; 2.15(2) refers to digesters in cluster 3; and 2.15(4) refers to digesters in Cluster 4.	2.15(1) Construction continued. 2.15(2) Construction continued. 2.15(3) Procurement temporarily suspended pending Cluster 1 or 2. 2.15(4) Child project deleted as approved by EPA.	2.15(1) Construction will continue. 2.15(2) Construction will continue. 2.15(3) Procurement will resume.	

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
2.16		The CDWWTP Dewatering Building project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new combined thickening and dewatering facility and sludge cake conveyance system to the sludge storage buildings. This project is being performed under design-build delivery method.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)	Procurement will be completed. Design/Build Construction will commence.	
2.17	Chlorination	The CDWWTP Chlorination Facilities project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the design and construction of a new bulk sodium hypochlorite storage and dosing system in separate outdoor structures to replace the existing chlorine gas system.	This project reached substantial completion on July 27, 2018 ahead of the CD compliance date of October 15, 2018.	N/A	
2.18	Odor Control Systems	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This involves the replacement of the motor control center of the odor control buildings including air-conditioned electrical rooms. It also involves replacement of odor control chemical pumps, piping, valves and gas stripping tower media. This project will be completed in conjunction with other related projects. A portion of this project 2.18(1) Headworks Odor Controls System, will be performed earlier in coordination with the Headworks projects (2.3/2.4). The remainder will be performed in coordination with the Dewatering project (2.16).	2.18(1) This child project reached substantial completion on September 11, 2019. 2.18(2) Procurement continued. (Bid cancellation on May 30, 2018. (Project was readvertised in November, 2018.)	2.18(1) N/A 2.18(2) Procurement will be completed. Design/Build Construction will commence.	
2.19	Co-Gen Facility	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the installation of two new cogeneration engines, cogeneration building improvements, replacement of biogas pipeline and installation of biogas conditioning system. Thus, this project has been split into separate "child" projects: 1) Co-Gen Generator Replacement, 2a) Co-Gen Biogas Treatment Facilities, and 2b) Co-Gen Restroom and Building Rehab.	2.19(1) Project completed on January 27, 2016. 2.19(2a) Project paused at testing/commissioning stage due to lack of bio gas availability. EPA and FDEP notified of the delay on January 10, 2020 and May 21, 2020. 2.19(2b) Project completed on May 18, 2020	2.19(2a) Testing and Commissioning to resume pending bio gas availability.	
2.20		The CDWWTP Septage Unloading project is required under Paragraph 19(i) and Appendix D. The CD scope of this project included the construction of a new septage handling station to remove FOG from the main wastewater treatment stream and treat either through digestion or an off-site third part facility. However, the violation associated with this project was resolved by requiring all hauled waste to be sent to the South District WWTP as of January 2013.		N/A	

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
2.21	Pump Station 1	The CDWWTP Pump Station No. 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the pump station for the odor control system and rehabilitate the bar screen mechanisms.	Construction was completed on December 19, 2019 ahead of the CD compliance date of February 26, 2021.	N/A	
2.22	Pump Station 2	The CDWWTP Pump Station No. 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the pump station odor control system, rehabilitation of bar screen mechanism, and replacement pump stations flow metering to improve maintenance accessibility.	Construction continued.	Construction will be completed.	
2.23	O ₂ Plant Process Controls Phase 2	The CDWWTP $\rm O_2$ Plant Process Controls project is being performed pursuant to Paragraph 19(i) and Appendix D. Existing oxygen production systems are either failing or obsolete. The purpose of this project is to replace existing oxygen production systems.	Construction was completed on April 25, 2016 ahead of the CD compliance date March 9, 2017.	N/A	
2.24	Gas Monitoring	The CDWWTP Gas Monitoring project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to monitor gas levels and place alarms in hazardous areas.	Construction was completed on September 29, 2017.	N/A	
2.25	Ventilation Improvements	The CDWWTP Ventilation Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to improve ventilation in hazardous areas. This project schedule has been broken down into multiple components to more accurately reflect the way the work is being executed: 1) HVAC Improvements for air scrubber (Project 2.12, 2.13 and 2.16) 2) Headworks HVAC Improvements (Project 2.3/2.4). 3) Digester Control Building HVAC Improvements (Project 2.15(1)). 4) Pump Station 1 HVAC Improvements (Project 2.21). 5) Pumps Station 2 HVAC Improvements (Project 2.22).	2.25(1) Procurement continued 2.25(2) Construction was completed. 2.25(3) Construction continued. 2.25(4) Construction was completed. 2.25(5) Construction continued.	2.25(1) Procurement will be completed and construction will commence. 2.25(2) N/A 2.25(3) Construction will continue. 2.25(4) N/A 2.25(5) Construction will be completed.	
2.26	Rehabilitation of Walkways and Stairways	The CDWWTP Rehabilitation of Walkways and Stairways project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of corroded walkways, stairways, railings, grating throughout the plant. Work is being performed by in-house WASD resources.	Construction continued.	Construction will continue.	

		Table A-3.2 Central District WWTP Cap	ital Improvement Projects	
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.27	Oxygen Production	The CDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing units are near the end of useful life and prone to failure. The purpose of this project is to construct a new 80 ton/day oxygen production cryogenic tower and air compression unit to provide full redundancy. This project was split into 2 "child" projects: 1) Oxygen Production Site Preparation, and 2) Oxygen Production Design-Build.	2.27(1) Oxygen Production Site Preparation was completed on June 29, 2017. 2.27(2) Design-Build continued.	2.27(2) Design-Build will continue.
2.28	SCADA RTU Upgrades	The CDWWTP Building Improvements project was performed pursuant to Paragraph 19(i) and Appendix D. The old radio communication system was obsolete and it was difficult to procure parts. The purpose of the project was to upgrade the SCADA remote telemetry units to maintain operational sustainability.	This project was completed as of February 10, 2014 ahead of the CD compliance date March 29, 2014.	
2.29	High Strength Influent Impact Study	The CDWWTP High Strength Influent Impact Study was performed pursuant to Paragraph 19(i) and Appendix D. The CDWWTP was experiencing an increase in TSS and BOD loading. This study investigated the sources and conceptualized solutions to eliminate or mitigate the change in plant influent characteristics.	was completed June 5, 2014 ahead of the CD compliance date June 24, 2014.	

	Table A-3.3 North District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
3.1	Headworks and	The NDWWTP Headworks and Sludge Degritting and Transfer project is being performed pursuant to Paragraph 19(i) and Appendix D. This project is a two-phase approach to improve the existing screening facilities at the NDWWTP. In Phase 1, bar screens are replaced with perforated plate screens and Phase 2 involves the upgrade of the pretreatment buildings for fire code compliance and replacement of primary sludge grit separation equipment.	2017 ahead of the CD compliance date of April 7, 2018.		
3.2	Primary Clarifiers and Odor Control	The NDWWTP Primary Clarifiers and Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structures of the primary clarifiers, replacement of the mechanisms, installation of new flat type covers at each clarifier. It also involves the rehabilitation of the mechanical and odor control systems at the plant. This project was split into 2 child projects: 1) Replace Primary Clarifiers for Mechanisms #4 & 6, and 2) Primary Clarifiers and Odor Control (Remaining Scope of Work).	3.2(1) Construction was completed on February 20, 2019.3.2(2) Construction continued.	3.2(2) Construction will continue.	
3.3	Oxygenation Trains	The NDWWTP Oxygenation Trains project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structures of the aeration tanks and its mechanical and electrical systems.	Design continued.	Design and permitting will be completed Procurement will commence.	
3.4	Oxygen Production	The NDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the oxygen plant and its mechanical and electrical systems.	Design continued.	Design and permitting will be completed Procurement will commence.	
3.5	Secondary Clarifiers	The NDWWTP Secondary Clarifiers project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the secondary clarifiers and its mechanical and electrical systems. This project was split into 2 child projects: 3.5(1) Replace Mechanisms # 1-10; and 3.5(2) Secondary Clarifiers Remaining Scope of Work.	3.5(1) This child project was completed on March 30, 2017. 3.5(2) Construction continued.	3.5(1) N/A 3.5(2) Construction will continue.	
3.6	Disinfection	The NDWWTP Disinfection project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the chlorine gas storage, liquid chlorination and dosing system with bulk sodium hypochlorite storage and dosing system in the existing chlorine building.	Construction continued.	Construction will be completed.	
3.7	Effluent Disposal	The NDWWTP Effluent Disposal project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the installation of standby pumps to ensure effluent disposal capacity and the structural rehabilitation of the ocean outfall pump station wet well. All of the 3.07 work has been combined into a single project. The Deep Injection Well (DIW) mechanical and electrical equipment is being managed by WASD Plant Staff. The CD scope is limited to pumps 5-6, where pumps 1-4 will be funded through the overall WASD CIP.	The Ocean Outfall Pump Station rehabilitation was completed in March 2015. Construction of DIW Pump Station was completed on June 29, 2018.	N/A	

	Table A-3.3 North District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
3.8	Plant Wide Electrical	The NDWWTP Plant Wide Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed at the NDWWTP. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1) NDWWTP General Electrical In House Construction Feeders 1 and 2 have been replaced. 2) Electrical Feeders 3-6 Feeders 3-6 will be replaced in conjunction with Project 3.1. 3) Electrical Feeders 7-8 Feeders 7 and 8 will be replaced along with Projects 3.3 & 3.4. 4) Electrical Feeders 9-10 & 13-14 Feeders 11 & 12 were completed due to recent upgrades performed on the deep injection well pump motors.	3.8(1) General Electrical In-house construction (Feeders 1-2) was completed on January 15, 2016. 3.8(2) Electrical Feeders 3-6 (Project 3.1) was completed on December 6, 2017. 3.8(3) Electrical Feeders 7-8 designed continued (scope considered under CD 3.3 and CD 3.4) 3.8(4) Design and permitting was completed. Procurement commenced.	3.8(2) N/A 3.8(3) Electrical Feeders 7-8 design will be	
3.9	Flood Mitigation	The NDWWTP Flood Mitigation project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to mitigate the flood potential in the Generator and Electrical Building at the NDWWTP.	This project was completed on June 24, 2016, ahead of the CD compliance date of August 13, 2017.	N/A	
3.10	Yard Piping Replacement	The NDWWTP Yard Piping Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the wastewater piping that interconnects unit processes throughout the plant.	This project was completed on May 24, 2016, ahead of the CD compliance date of December 4, 2021.	N/A	
3.11	SCADA RTU Upgrades	The NDWWTP SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units to maintain operational sustainability.	This project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.		

	Table A-4.1 Wastewater Collection and Transmission Lines				
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
4.1	Collection System I/I Repairs	The Collection System I/I Repairs project is being performed in accordance with Paragraph 19(i) and Appendix D of the CD. The project targets defective gravity sewers with excessive inflow/infiltration. It involves rehabilitation of the Collection System, i.e. dig & replace mainlines and laterals, manhole replacement, cured-in-place liners and sectional liners and will be performed concurrently with other work.	Work on this project is ongoing.	Work on this project will continue.	
4.2	Government Cut FM Phase 1 & 2	The Government Cut FM Phases 1 & 2 project was performed in accordance with Paragraph 19(i) and Appendix D. The purpose of this two-phase project is to replace critically damaged sections of 54-inch force main to avert catastrophic failures in Government Cut. This project involved the replacement of 54 inch FM with 60 inch FM from the water shaft in Government Cut to mainland Miami Beach.		N/A	
4.3	Government Cut FM Phase 3	The Government Cut FM Phases 3 project is being performed in accordance with Paragraph 19(i) and Appendix D. The Government Cut FM Phase 3 (Norris Cut Utility Relocation Project) is comprised of the following; the existing 54" force main underneath Norris Cut between Fisher Island and the Central District Wastewater Treatment Plant (CDWWTP), on Virginia Key, will be replaced with a new 60" force main lowered to elevation minus (-) 67.50 feet mean sea level. A new 8" force main will be constructed from Pump Station 170, on Fisher Island, connecting to the new 60" force main near the tunnel receiving shaft. The 60" pipeline alignment will be constructed via segmental tunnel trenchless technology, and open cut trenching method. The 8" pipeline alignment will be constructed via horizontal directional drilling (HDD) trenchless methodology.	2017.	N/A	
4.4	North Dade 72 inch PCCP FM Rehabilitation	This North Dade Force Main Rehabilitation project is being performed in accordance with Paragraph 19(i) and Appendix D. The project replaces a damaged section of 72-inch force main that has experienced catastrophic failure. The rehabilitation involves 3.5 miles of 72 inch PCCP FM located between NW 17 Avenue and NE 10 Avenue in North Dade.	Construction was completed on May 5, 2016 ahead of the CD compliance date of March 5, 2018.	N/A	
4.5	South Dade 54 inch PCCP FM Rehabilitation	This South Dade Force Main Rehabilitation project is being performed in accordance with Paragraph 19(i) and Appendix D. The project involves the rehabilitation of 2.5 miles of 54 inch PCCP FM from SW 112 Avenue and SW 280 Street to SW 107 Avenue and SW 248 Street in South Dade. It replaces sections of the 54-inch force main that has critically damaged pipe segments.	Project was completed on September 14, 2018 ahead of the CD compliance date of December 23, 2018.	N/A	
4.6	Replacement of Tamiami Canal Aerial Crossing FMs at NW 37th Avenue	This Tamiami Force Main Replacement project is being performed in accordance with Paragraph 19(i) and Appendix D. This project replaces corroded twin 24 inch FM's crossing the Tamiami Canal at NW 37 Avenue, just south of NW 21 Street in the Tamiami area. The twin 24-inch force mains have experienced failures and are in need of replacement.	Construction was completed on May 27, 2014 ahead of the CD compliance date of October 29, 2016.	N/A	

		Table A-4.1 Wastewater Collection and	Transmission Lines	
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
4.7	Rehabilitation of 18 DIP FM in Miami Lakes	This Miami Lakes Force Main Replacement project is being replaced in accordance with Paragraph 19(i) and Appendix D. The purpose of this project is to replace severely corroded 18 inch pipe that has had multiple failures. It replaces one mile of 18 inch DIP FM located at NW 60 Avenue and NW 138 Street.	The state of the s	N/A
4.8	Rehabilitation of 54 inch PCCP FM	This City of Miami Force Main Rehabilitation project is being performed pursuant to Paragraph 19(i) and Appendix D. A section of 54 inch force main in the City of Miami is deteriorated and has experienced failures. The project involves the rehabilitation of 2 miles of 54 inch PCCP FM by cured-in-place liner located on NW 2 Street between NW 67 Avenue and NW 37 Avenue in the City of Miami.		N/A
4.9	Replace Approximately 30 miles of AC FM	This Force Main Transmission System Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace asbestos cement force mains that have experienced failures and are difficult to locate in the field. This includes approximately 30 miles of AC FM transmission system. This project has been divided into multiple sub/child projects. See individual status of each project in Table A-4.2.	Design, permitting, procurement were completed. Construction continued. See individual status of each project in Table A-4.2.	Construction will continue. See individual status of each project in Table A-4.2.
4.10	Opa-Locka Airport	The Opa-Locka Airport PCCP Force Main Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of 2.5 miles of 48 inch PCCP force main running along the Biscayne Canal between NW 57th Avenue & NW 32nd Avenue. The length has been determined to have approximately one quarter of its line segments distressed based on in-situ condition assessments. This project has been split into four (4) child/sub projects. 1) Includes rehab of an existing 48" FM east of the Opa-Locka Airport. 2) Includes two (2) miles of open cut 54" DIP FM pipe along airport.	4.10(1) Construction was completed on October 27, 2017. 4.10(2) Construction was completed on May 11, 2018.	N/A

		Table A-4.2 Proj	ect 4.9 Replacement of Approximately 30 Miles	AC FM Transmission System	
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1	12	SW 112 Ave. & SW 104 St.	SW 112 Ave. & SW 112 St.	This project was complete on June 5, 2020.	N/A
2	8	NE 14 Ave. & 191 St.	NE 14 Ave. & Miami Gardens Dr.	This project was complete on June 5, 2020.	N/A
3	6	PS 356	NW 53 Ct. & NW 195 Dr.	This project was completed on August 11, 2014.	N/A
4	8	NW 53 Ct. & NW 195 Dr.	NW 52 Ct. & NW 191 Dr.	This project was completed on August 11, 2014.	N/A
5	10	NW 52 Ct. & NW 191 St.	NW 52 Ct. & NW 188 Dr.	This project was completed on August 11, 2014.	N/A
6	6	PS 362	NW 52 Ct. & NW 190 Dr.	This project was completed on August 18, 2017.	N/A
7	10	NW 52 Ct. & NW 190 St.	NW 52 Ave. & NW 189 Ter.	This project was completed on August 18, 2017.	N/A
8	10	NW 52 Ct. & NW 188 St.	NW 52 Ave. & NW 183 St.	This project was completed on August 11, 2014.	N/A
9	8	PS 385	NW 29 Ct. & NW 199 St.	This project was completed on August 7, 2015.	N/A
10	12	NW 29 Ct. & NW 199 St.	NW 30 Pl. & NW 199 St.	This project was completed on August 7, 2015.	N/A
11	8	NW 29 Ct. & NW 199 St.	NW 28 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
12	6	PS 374	NW 28 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
13	12	NW 30 Pl. & NW 199 St.	NW 37 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
14	8	PS 368	NW 37 Ave. & NW 194 Ter.	This project was completed on June 3, 2015.	N/A
15	4	PS 375	NW 29 Pl. and NW 191 St.	This project was completed on June 3, 2015.	N/A
16	10	PS 427	NW 29 Pl. and NW 191 St.	This project was completed on June 3, 2015.	N/A

		Table A-4.2 Proj	ect 4.9 Replacement of Approximately 30 Miles	AC FM Transmission System	
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
17	10	NW 29 Pl. and NW 191 St.	NW 32 Ave. & NW 191 St.	This project was completed on June 3, 2015.	N/A
18	6	PS 376	NW 32 Ave. & NW 191 St.	This project was completed on June 3, 2015.	N/A
19	6	PS 377	NW 36 Ave. & NW 183 St.	This project was completed on June 3, 2015.	N/A
20	8	PS 366	NW 42 Pl. & NW 199 Ter.	This project was completed on March 6, 2017.	N/A
21	10	NW 42 Pl. & NW 199 Ter.	NW 39 Ct. & NW 199 St.	This project was completed on March 6, 2017.	N/A
22	6	PS 358	PS 352	This project was completed on March 1, 2017.	N/A
23	8	PS 1022	PS 1072	This project was completed on June 15, 2018.	N/A
24	8	PS 353	NW 48 Ct. & NW 178 Ter.	This project was completed on October 27, 2016.	N/A
25	10	NW 52 Ave. & NW 173 Dr.	NW 52 Ave. & NW 178 Ter.	This project was completed on April 3, 2017.	N/A
26	6	PS 354	NW 52 Ave. & NW 173 Dr.	This project was completed on April 3, 2017.	N/A
27	4	Pvt. PS @ SW 149 Ter.	MH 14 @ PS 719	This project was complete on June 5, 2020.	N/A
28	8	PS 786	MH 5 @ PS 785	This project was complete on June 5, 2020.	N/A
29	12	PS 811	SW 107 Ave. & SW 76 St.	This project was completed on September 12, 2019.	N/A
30	12	PS 811	SW 102 Ave. & SW 81 St.	This project was completed on September 12, 2019.	N/A
31	10	PS 812	SW 102 Ave. & SW 84 St.	This project was completed on September 12, 2019.	N/A
32	12	SW 107 Ave. & SW 104 St.	SW 107 Ave. & Kendale Blvd.	This project was completed on October 13, 2017.	N/A

	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System					
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters	
33	4	Pvt. PS @ 114 Ave. & SW 169 St.	MH 59 @ SW 103 Ave.	This project was completed on August 12, 2016.	N/A	
34	10	PS 709	Homestead Ave. & Kumquat St.	This project was completed on April 21, 2020.	N/A	
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	This project was completed on April 21, 2020.	N/A	
36	4	PS 721	US1 & Banyan St.	This project was completed on April 21, 2020.	N/A	
37	4	PS 749	PS 731	This project was completed on April 21, 2020.	N/A	
38	4	PS 747	US1 & East Indigo St.	This project was completed on April 21, 2020.	N/A	
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	This project was completed on April 21, 2020.	N/A	
40	8	PS 745	SW 102 Ave. & SW 175 St.	This project was completed on April 21, 2020.	N/A	
41	4	PS 731	SW Duval Ave. & West Indigo St.	This project was completed on April 21, 2020.	N/A	
42	10	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	This project was completed on April 21, 2020.	N/A	
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	This project was completed on April 21, 2020.	N/A	
44	8	PS 810	SW 118 Pl. & SW 72 St.	This project was complete on June 5, 2020.	N/A	
45	12	PS 793	SW 118 Pl. & SW 72 St.	This project was complete on June 5, 2020.	N/A	
46	6	PS 724	SW 106 Ave. & SW 155 St.	This project was complete on April 21, 2020.	N/A	
47	8	PS 869	SW 122 Ave. & SW 88 St.	This project was completed on February 1, 2017.	N/A	
48	10	PS 1017	SW 123 Pl. & SW 268 St.	This project was completed on September 12, 2019.	N/A	
49	10	PS 1029	SW 132 Ave. & 268 St.	This project was completed on September 12, 2019.	N/A	
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	This project was completed on September 12, 2019.	N/A	

	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System						
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters		
51	10	PS 1028	SW 137 Ave. & 288 St.	This project was completed on September 12, 2019.	N/A		
52	10	PS 1027	SW 132 Ave. & 280 St.	This project was completed on September 12, 2019.	N/A		
53	8	PS 1018	MH 44A @ SW 132 Ave.	This project was completed on September 12, 2019.	N/A		
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	This project was complete on June 5, 2020.	N/A		
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	This project was complete on June 5, 2020.	N/A		
56	8	PS 864	SW 147 Ave. & SW 72 St.	This project was complete on June 5, 2020.	N/A		
57	8	SW 142 Ave. & Kendale Lakes Blvd.	SW 140 Ave. & Kendale Lakes Blvd.	This project was complete on June 5, 2020.	N/A		
58	10	SW 140 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & Kendale Lakes Blvd.	This project was complete on June 5, 2020.	N/A		
59	12	SW 137 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & SW 81 St.	This project was complete on June 5, 2020.	N/A		
60	8	PS 1013	PS 1012	This project was completed on August 21, 2019.	N/A		
61	10	PS 1012	SW 144 Ave. & SW 280 St.	This project was completed on August 21, 2019.	N/A		
62	8	PS 1011	SW 144 Ct. & SW 280 St.	This project was completed on August 21, 2019.	N/A		
63	10	SW 147 Ave. & SW 288 St.	SW 134 Pl. & SW 288 St.	This project was completed on September 12, 2019.	N/A		
64	6	PS 1009	SW 147 Ave. & SW 296 St.	This project was complete on June 5, 2020.	N/A		
65	6	PS 1006	PS 1005	This project was complete on December 12, 2019.	N/A		

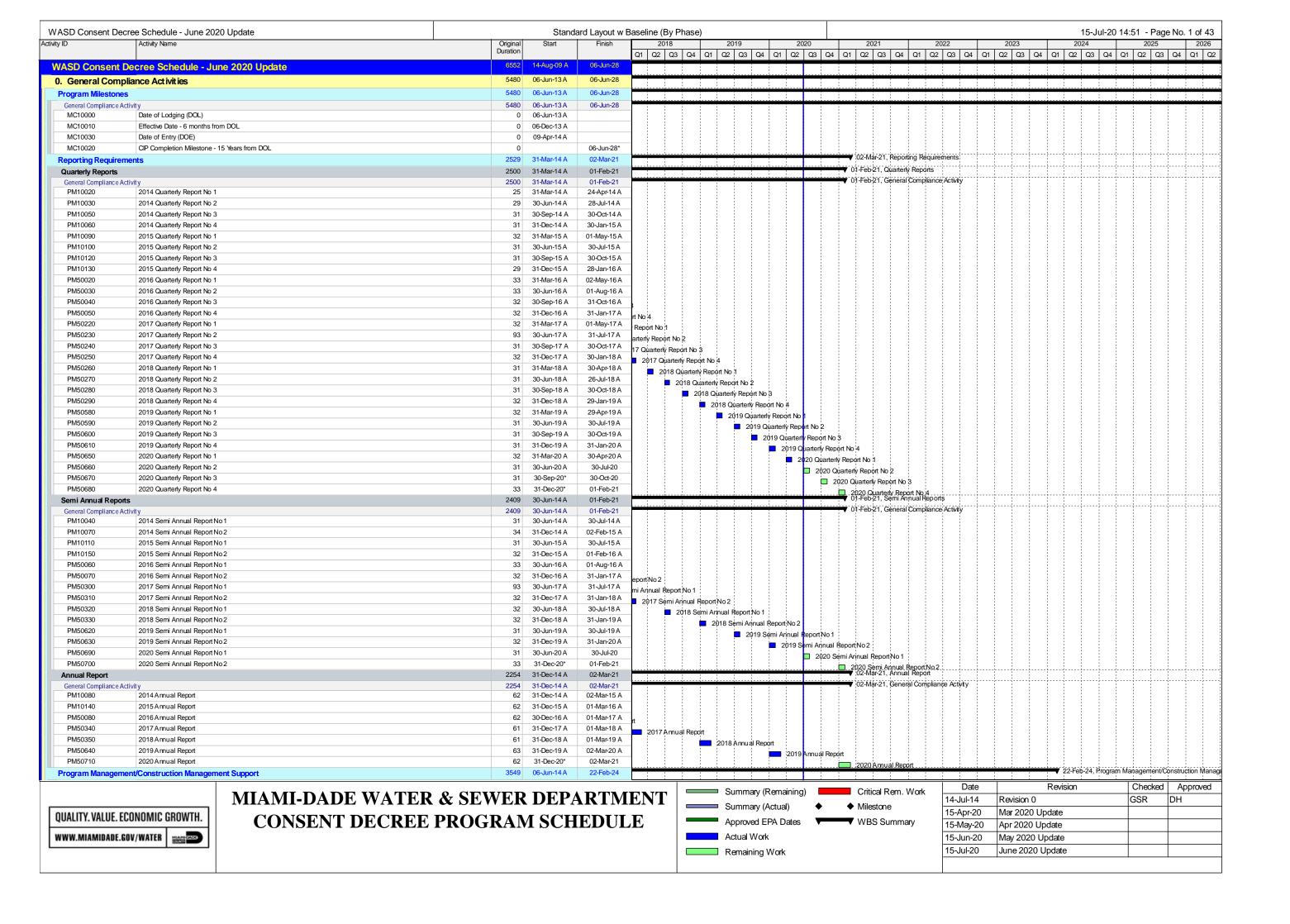
	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System						
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters		
66	8	PS 1002	SW 152 & SW 304 St.	This project was complete on June 5, 2020.	N/A		

		Table A-5.1 Sewer Pump Station Systems		
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.1	Upgrade of PS No. 0418	The Upgrade of PS No. 0418 project is being performed pursuant to Paragraph 19(i) and Appendix D. The station has reached the end of its useful life and a booster station is needed to relieve pressures in the Doral area. The purpose of this project is to convert PS No. 0418 into a booster type station.	Construction completion was achieved on November 8, 2019.	N/A
5.2	Decommissioning of PS No. 0691	The Upgrade of PS No. 0691 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and capacity increase is required to handle increased Homestead flows. This project involves the replacement of pumping and electrical equipment in PS No. 0691. In February 2016, the County transmitted a request for modification to EPA and FDEP. The County requested to modify the scope of work to include completion of Homestead Pump Station No.1 and decommissioning of PS 0691 in lieu of upgrading PS No. 0691. EPA and FDEP approved the request for modification in April 2016.	PS No. 0691 was decommissioned on November 8, 2019.	N/A
5.3	Upgrade of PS No. 0692	The Upgrade of PS No. 0692 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and capacity increase is required to handle increased Homestead flows. This project involves the replacement of pumping and electrical equipment in PS No. 0692.	The County notified EPA and FDEP on May 5, 2020 and on June 16, 2020 of Delay, Force Majeure and Failure to Meet the Compliance Date. Construction continued.	Construction will be completed.
5.4	Replacement of Switchgear PS No. 0414	The Replacement of Switchgear PS No. 0414 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a booster station is needed to relieve the pressures and reroute flow away from PS No. 1310 and PS No. 0300. The purpose of this project is to convert PS No. 0414 into a booster type station and rehabilitate and replace the entire facility equipment (pumps, motors, electrical equipment, HVAC, valves, and piping).	Construction was completed on June 11, 2019, ahead of the CD compliance date of June 15, 2019.	
5.5	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0415.	Construction completion was achieved on November 13, 2019.	N/A
5.6	Replacement of Switchgear PS No. 0416	The Replacement of Switchgear PS No. 0416 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life. This project involves the replacement of electrical switchgear in PS No. 0416.	Construction was completed on June 11, 2019, ahead of the CD compliance date of June 13, 2019.	
5.7	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and the wet well structure is badly deteriorated due to H_2S . This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0417.	Construction continued.	Construction will be completed.

		Table A-5.1 Sewer Pump Station Systems		
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.8	Replacement of Electrical and Mechanical Equipment PS No 0107	The Replacement of Electrical and Mechanical Equipment PS No. 0107 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond of the PS is beyond its useful life and parts are not readily available for the load cell type controllers. This project involves the replacement of pumping and electrical equipment of PS No. 0107.	Construction was completed on February 23, 2018 ahead of CD compliance date of January 27, 2019.	N/A
5.9	Replacement of Pumping and Electrical Equipment PS No. 0301	The Replacement of Pumping and Electrical Equipment PS No. 0301 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a new pump station is needed to address future capacity needs, sea level rise and storm surge. Phase 1 of the project involves the replacement of the pumps, electrical equipment and generators, in addition to rehabilitation of the HVAC equipment of PS No. 0301. Phase 2 will include the construction of a new submersible pump station.	Construction continued.	Construction will continue.
5.10	Upgrade of PS No. 0488	The Upgrade of PS No. 0488 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond its useful life. This project involves the conversion of the PS a submersible type station.		N/A
5.11	Installation of 60 inch FM from Kendall Dr. to PS No. 0536	Currently, there is a pressure differential and increase flow transfer between PS No. 0559 and PS No. 0536. The purpose of this project was originally to install a 60 inch FM from Kendall Dr. to PS No. 0536 to eliminate the 42 inch reduction in the 60 inch FM. System reviews and analysis has determined that the installation of a 48 inch cross connection between the existing 72 inch effluent FM to an existing 48 inch force main will accomplish the desired reduction in pressure differential.	Construction was completed on February 13, 2019, ahead of CD compliance date of May 18, 2019.	
5.12	Replacement of Switchgear PS No. 0187	The Replacement of Switchgear PS No. 0187 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing PS equipment is beyond its useful life and parts are not readily available. This project involves the demolition of the four (4) existing 450 hp pumps (3 two-speed, and 1 with Anvic Drive) and the installation of four (4) new 450 hp pumps and motors, with new VFDs, replacement of electrical switchgear, HVAC and lighting upgrades, expansion of Electrical Room, generator upgrades, and replacement of plug valves and control valves.	Construction was completed on March 25, 2019, ahead of the CD compliance date of March 26, 2019.	N/A
5.13	Refurbish Emergency Generators and Controls at Regional PSs	The Refurbish Emergency Generators and Controls at regional PSs project is being performed pursuant to Paragraph 19(i) and Appendix D. The emergency backup generators are unreliable due to the age of the controllers and the condition of the wiring on the engines. The purpose of this project is to refurbish emergency generators and controls at regional PSs.	Construction was completed on February 4, 2016, ahead of the CD compliance date of July 20, 2016.	
5.14	Upgrade of PSs Nos. 0086 and 0492	The Upgrade of PSs No. 0086 and 0492 project was performed and completed pursuant to Paragraph 19(i) and Appendix D. The project was designed to increase reliability and extend the service life of the pump station. The pump stations also exceeded the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. For this project, PS No. 0086 was converted to a submersible type pump station with an existing wet well and the electrical controls and instrumentation were upgraded. The electrical controls and instrumentation for PS No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	Construction was completed on July 15, 2013, ahead of the CD compliance date of December 31, 2013.	N/A

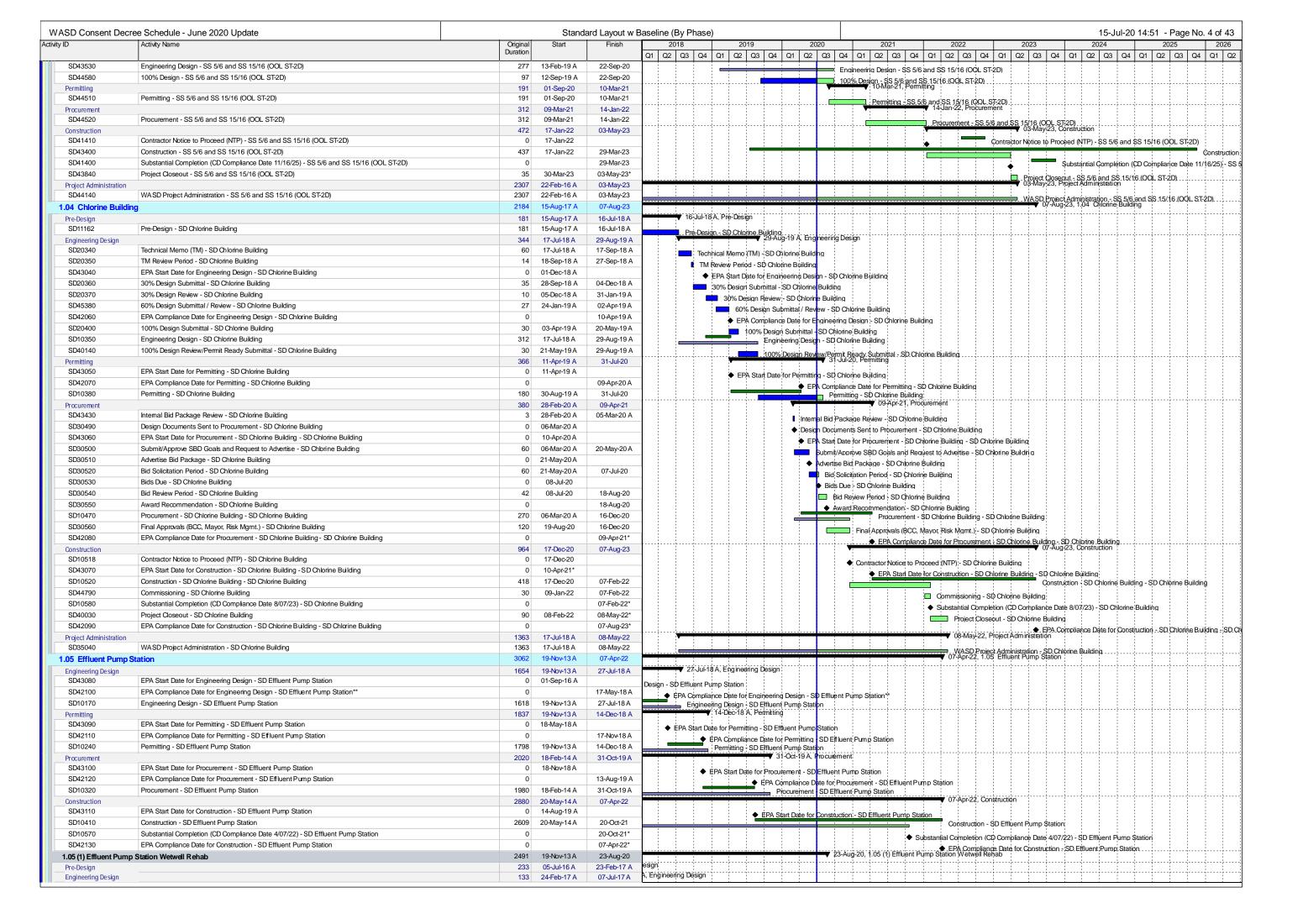
		Table A-5.1 Sewer Pump Station Systems		
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.15	Upgrade of PSs Nos. 0065, 0201, 0334, 0374, 0607	The Upgrade of PSs No. 0065, 0201, 0334, 0374, 0607 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0065 is being upgraded to include new submersible pumps in the existing dry well, installation of larger suction and discharge piping, and an electrical upgrade. The PS No. 0201 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and 48 I/I repairs for a flow of 176 gpm. The PS No. 0334 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 2,200 L.F. of new 8 inch FM. The PS No. 0374 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the installation of 320 L.F. of new 8 inch FM. The PS No. 0607 project involves the conversion to a new submersible type pump station and an electrical upgrade.		N/A
5.16	Upgrade of PSs Nos.0198, 0437, 0466, 0680	The Upgrade of PSs No. 0198, 0437, 0466, 0680 project is being performed pursuant to Paragraph 19(i) and Appendix D. These pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0198 is being upgraded to include new submersible pumps in a new triplex wet well, an electrical upgrade and flow isolation. PS No. 0437 is being upgraded to include new dry pit submersible pumps, replacement of roughly 100 linear feet of 10" force main to the street connection, and electrical upgrades. PS#0466 is being upgraded to include refurbishment of the existing wet well and repairs to pipes and valves. PS No. 0680 is being upgraded to include new submersible pumps, new valve box, electrical upgrades and a new generator with sub-base tank. This project has been divided into four (4) child projects. With the following current statuses: 1) Pump Station No. 0198 Compliance Project. The CD Compliance deadline of December 31, 2016 was not achieved. The PMCM and WASD are working with the Contractor to try and complete the remaining work. 2) Pump Station No. 0437 Upgrade. 3) Pump Station No. 0466 Compliance Project. 4) Pump Station No. 0680 Upgrade.	This project was completed on January 24, 2018.	N/A
5.17	Upgrade of PSs Nos. 0037, 0351, 0370, 0403		5.17(2) PS No. 0351: Construction was completed on December 1, 2017. 5.17(3) PS No. 0370: Construction was	N/A

		Table A-5.1 Sewer Pump Station Systems		
Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.18	Upgrade of PSs Nos. 0441, 0491, 0710, 0827, 0852, 1236	The Upgrade of PSs No. 0441, 0491, 0710, 0827, 0852, 1236 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0441 project involves the conversion to a new submersible type pump station and an electrical upgrade. PS No. 0491 is undergoing flow isolation and I/I repairs if necessary. The PS No. 710 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 1,800 L.F. of new 8 inch FM. The PS No. 0827 is being upgraded to include larger submersible pumps, installation of a new valve vault, an electrical upgrade and the replacement of 1,600 L.F. of 4 inch FM with 8 inch FM. The PS No. 0852 project involves the conversion to a new submersible type pump station and an electrical upgrade. PS No. 1236 is undergoing 300 I/I repairs to achieve a flow of 130 gpm. This project is split into six (6) different sub/child projects. 1) Pump Station 0491 Compliance Project 2) Pump Station 0491 Compliance Project 3) Pump Station 0827 Compliance Project 4) Pump Station 0852 Compliance Project 5) Pump Station 1236 Compliance Project 6) Pump Station 1236 Compliance Project 7) Pump Station 1236 Compliance Project 8) Pump Station 1236 Compliance Project 9) Pump Station 1236 Compliance Project 10) Pump Station 1236 Compliance Project 11) Pump Station 1236 Compliance Project 12) Pump Station 1236 Compliance Project 13) Pump Station 1236 Compliance Project Substantial Completion. PS#1236 has maintenance issues and will be resolved under phase 2 for which CD deadlines are not applicable.	5.18(5) Construction was completed on July 26, 2019. 5.18(6) Construction was completed on May 1, 2017.	N/A
5.19	SCADA RTU Upgrades	The SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units for 635 pump stations to maintain operational sustainability.	Construction was completed on November 23, 2015 ahead of the CD compliance date March 18, 2016.	N/A



	ee Schedule - June 2020 Update Activity Name	Original	Start	Finish	Baseline (By Phase) 15-Jul-20 14:51 - Page No. 2 2018 2019 2020 2021 2022 2023 2024 2025
		Duration			Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1
eneral Compliance Acti		3549		22-Feb-24	▼ 22-Feb-24, General Compliance Activity
PM50000	Program Management/Construction Management	3549	06-Jun-14 A	22-Feb-24	Program Mahagement/Construction Managem
South District V	WTP	4381	14-Aug-09 A	16-Nov-25	
l Headworks		1853	14-Aug-09 A	15-Apr-20 A	15 Apr-20 A, 1.01 Headworks Bak Ommigdithooe (CB) 6 don (Danste libiter 2/3 B/24) ad Slo Mesadworks
Oxygen Product	tion	2658	17-Nov-14 A	25-Feb-22	25-Feβ-22, 1.02 Oxygen Production
e-Design		1131	17-Nov-14 A	08-Jan-18 A	7 08-Jan-18 A, Pre-Design
D11232	Pre-Design - SD Oxygen Production	143	17-Nov-14 A	08-Apr-15 A	
D42420	Negotiations for ESDC & Stormwater Permit - SD Oxygen Production	497	14-Jul-15 A	21-Nov-16 A	Stormwater Permit - SD/0xygen Production
D44370	Allowance Request Proposal for Re-Bid - SD Oxygen Production	22	26-Oct-17 A	08-Jan-18 A	. Allowance Request Proposal for Re-Bid - SD Oxygen Production
gineering Design		515		29-May-16 A	
D42960	EPA Start Date for Engineering Design - SD Oxygen Production**	0			
D20180	Basis of Design Report (BODR) - SD Oxygen Production	100	· .	11-Jul-15 A	
D20190	BODR Review Period - SD Oxygen Production	14	12-Jul-15 A	25-Jul-15 A	
020200	30% Design Submittal - SD Oxygen Production	16		10-Aug-15 A	
20210	30% Design Review - SD Oxygen Production	7	11-Aug-15 A	17-Aug-15 A	
020220	60% Design Submittal - SD Oxygen Production	49		05-Oct-15 A	
030990	Develop Equipment Pre-Purchase Package - SD Oxygen Production	7		05-Oct-15 A	en Production
020230	60% Design Review - SD Oxygen Production	9	05-Oct-15 A	13-Oct-15 A	
020240	100% Design Submittal - SD Oxygen Production	55	14-Oct-15 A	07-Dec-15 A	
010050	Engineering Design - SD Oxygen Production	311	03-Apr-15 A	07-Feb-16 A	
40120	100% Design Review/Permit Ready Submittal - SD Oxygen Production	62	08-Dec-15 A	07-Feb-16 A	II - SD, Oxygen Production
D41980	EPA Compliance Date for Engineering Design - SD Oxygen Production	0		29-May-16 A), Design - SD Oxygen Production Permitting
mitting	EDIOLOGICA DE LA COMPANION DE LA CALLANTA DE LA CAL	466		19-May-17 A	
)42970	EPA Start Date for Permitting - SD Oxygen Production	0	,		vaen Production
010090	Permitting - SD Oxygen Production	429		11-Apr-17 A	D Oxygen Production
041810	RER Derm Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	iit - SD Owgen Production
242890	Building Dept. Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	emit-SD Owgen Production
041820	Stormwater Permit - SD Oxygen Production	141	22-Nov-16 A	11-Apr-17 A	mit - \$D Oxygen Production
)41990	EPA Compliance Date for Permitting - SD Oxygen Production	0		19-May-17 A	pce Date for Permitting - SD Oxygen Production.
curement		1250		23-Sep-20	23-Sep-20, Procurement
41250	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production	298		10-Dec-15 A	Oxygen Production
42980	EPA Start Date for Procurement - SD Oxygen Production	0	26-Nov-16 A		emerit - SD Oxygén Production
30140	Design Documents sent to Procurement - SD Oxygen Production	0	28-Nov-16 A		o Procurement - \$D Oxigen Production
31160	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production	146	09-Sep-16 A	01-Feb-17 A	
31170	Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production	0	02-Feb-17 A		se Package (Air Compressors) - SD Oxygen Production
30150	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production	86	28-Nov-16 A	21-Feb-17 A	D Goals and Request to Advertise - SD Oxygen Production
030160	Advertise Bid Packages - SD Oxygen Production	0	22-Feb-17 A		iges -SD Oxygen Production
030170	Bid Solicitation Period - SD Oxygen Production	105	22-Feb-17 A	06-Jun-17 A	pn Period - SD Oxygen Production
30180	Bids Due - SD Oxygen Production	0	07-Jun-17 A		D Oxygen Production
031180	Vendor Bid & Award (Air Compressors)- SD Oxygen Production	174	02-Feb-17 A	25-Jul-17 A	id & Award ((Air Compressors) SD Oxygen Production
031190	Vendor NTP (Air Compressors) - SD Oxygen Production	0	26-Jul-17 A		ITP (Air Compressors) - \$D Oxygen Production
042000	EPA Compliance Date for Procurement - SD Oxygen Production	0		30-Sep-17 A	Compliance Date for Procurement -SD Oxygen Production
030190	Bid Review Period - SD Oxygen Production	180	07-Jun-17 A	27-Nov-17 A	Bid Review Period - SD Oxygen Production
044380	Bids Rejected - SD Oxygen Production	0		27-Nov-17 A	Bids Rejected - SD Oxygen Production
044500	RTA Approval for Revised Packages - SD Oxygen Production	30	12-Mar-18 A	23-Mar-18 A	RTA/Approval for Revised Packages - SD Oxygen Production
044280	Revise Bid Packages - SD Oxygen Production	30	08-Jan-18 A	04-Apr-18 A	Revise Bid Packages - SD Oxygen Production
D44610	Submit/Approve SBD Goals for Revised Packages - SD Oxygen Production	4	05-Apr-18 A	08-Apr-18 A	Revise big Fackages 3D Oxygen Production SbD Goals/for Revised Packages - \$D Oxygen Production
)44290	Re-Advertise Bid Packages - SD Oxygen Production	0	09-Apr-18 A		Submit/Applitive 3bb Goals for Newsed Fackages - bb Oxygen Production Re-Advertise Bid Packages - SD Oxygen Production
144300	Bid Solicitation Period for Revised Packages - SD Oxygen Production	90	09-Apr-18 A	20-Jun-18 A	■ Bid \$olicitation Period for Revised Packages - \$D Oxygen Production
144310	Bids Due for Revised Packages - SD Oxygen Production	0	21-Jun-18 A		
144320	Bid Review Period for Revised Packages - SD Oxygen Production		21-Jun-18 A	30-Aug-18 A	
30200	Award Recommendation - SD Oxygen Production	0		7	Bid Review Period for Revised Packages - 5D Oxygen Production
10160	Procurement - SD Oxygen Production	448	_	26-Oct-18 A	
30210	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Oxygen Production	28		26-Oct-18 A	
41280	Vendor Bid & Award (Control Panels)- SD Oxygen Production	120		21-May-19 A	Final Approvals (BCC, Mayor, Risk Mont.) - SD Oxygen Production
41290	VendorNTP (Control Panels) - SD Oxygen Production	0		1	Vendor Bid & Award (Control Panels), SD Owgen Production
41260	Pre-Purchase Control Panels (Summary) - SD Oxygen Production	640		24-Jan-20 A	◆ VendorNTP (Control Panels) - \$D Owagen Production
V41300	Fabricate & Deliver Control Panels - SD Oxygen Production	255		24-Jan-20 A	Pré-Purchase Control Panels (Summary) - SD Oxygèn Production
30000	Pre-Purchase Air Compressors (Summary) - SD Oxygen Production	1006		23-Sep-20	Fabricate & Deliver Control Panels - SD/Oxygen Production
31200	Fabricate & Deliver Air Compressor No. 4 - SD Oxygen Production	433	·	23-Sep-20	Pre-Purchase Air Compressors (Summary) - SD Oxygen Production
struction		2146	12-Apr-16 A	25-Feb-22	. Fabricate & Deliver Air Compressor No. 4. c SD Oxygen Production. ▼ 25-Feb-22, Construction:
41590	Install New Oil/Water Separator (WASD)	43		24-May-16 A	
12990	EPA Start Date for Construction - SD Oxygen Production	0	•	<u> </u>	Start Date for Construction - SD Owings Production
30220	Contractor NTP - SD Oxygen Production	0			Start Date for Construction - SD Oxygen Production
41530	Construct New Electrical Building	412		19-Sep-20	◆ Contractor NTP:-SD Owgen Production
)41830	Install Instrumentation and Controls	12		19-Sep-20	Construct New Electrical Building
041540	Install & Test Compressor No. 4	120	24-Sep-20	21-Jan-21	□ Install Instrumentation and Controls
)41570	Disassemble, Ship, Refurbish and Return Compressor No. 3	150	24-3ep-20 22-Jan-21	20-Jun-21	Install & Test Compressor No. 4
010260		770	07-Jan-19 A	19-Aug-21	Disassemble, Ship, Refurbish and Return Compressor No. 3
D10260 D41550	Construction (Consent Decree) - SD Oxygen Production	60	21-Jun-21	-	Construction (Consent Decree) - SD Oxygen Production
J-100U	Install & Test Compressor No. 3	60	∠1-JU∏-Z1	19-Aug-21*	Install & Test Compressor No. 3
210440	Construction Completion Milestone #1 (CD Compliance Date 2/25/22) - SD Oxygen Production	0		19-Aug-21*	◆ Construction Completion Milestone #1 (CD Compliance Date 2/25/22) - SD Oxygen Production
D10440			20 4 24	00 0-1 01	
D10440 D41560 D43880	Decommission Compressors No. 1 and No. 2 Construction (Non-Consent Decree) - SD Oxygen Production	40 81	30-Aug-21 20-Aug-21	08-Oct-21 08-Nov-21	☐ Decommission Compressors No. 1 and No. 2

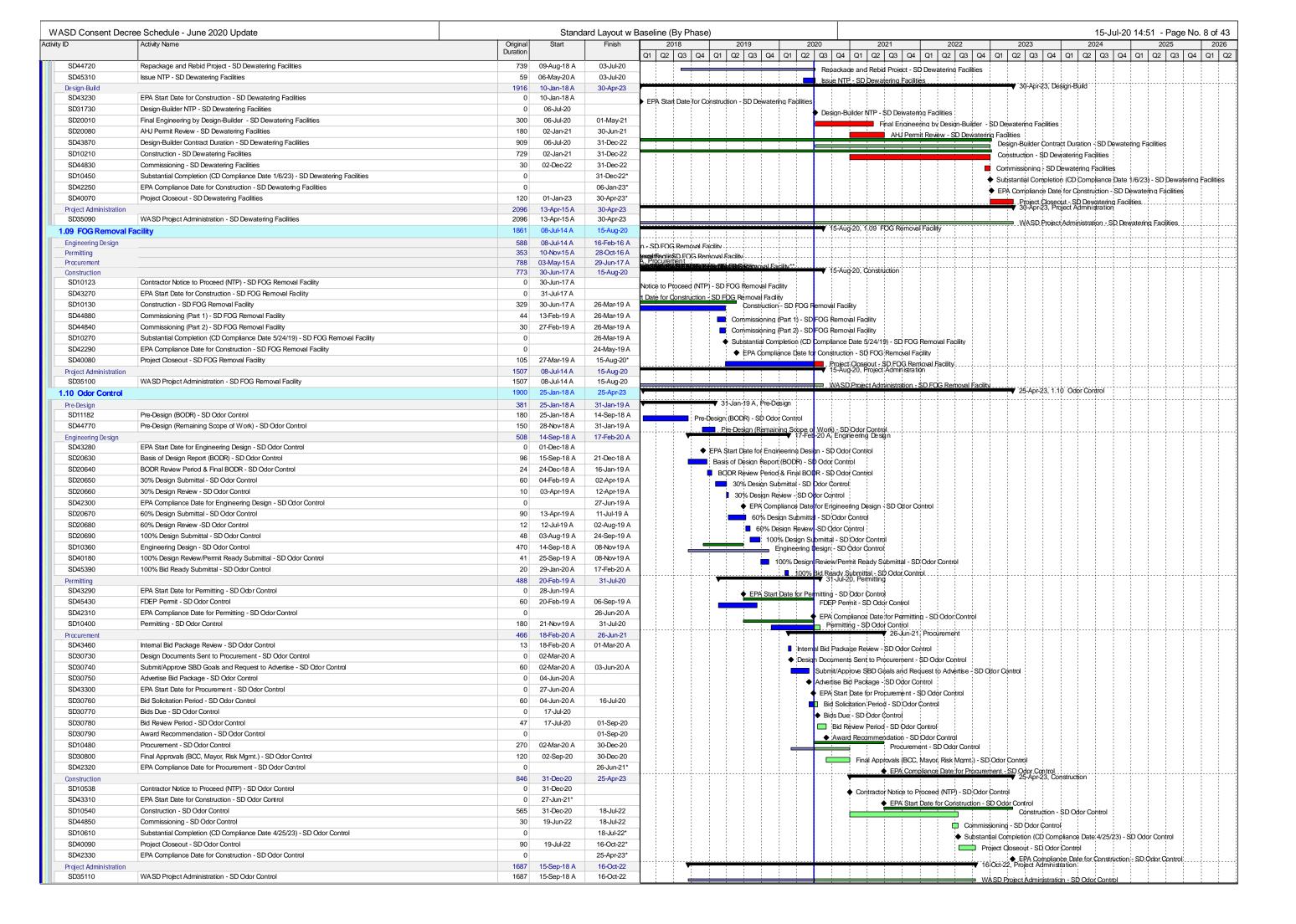
	cree Schedule - June 2020 Update		Stand	dard Layout w	w Baseline (By Phase) 15-Jul-20 14:51 - F	Page No. 3 of
ty ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 202	
SD43900	Substantial Completion (Non Connect Deems) SD Owners Broduction	0		09 Nov 21	Q1 Q2 Q3 Q4 Q1	Q3 Q4 Q1
SD43890 SD40010	Substantial Completion (Non-Consent Decree) - SD Oxygen Production Project Closeout - SD Oxygen Production	60	09-Nov-21	08-Nov-21 07-Jan-22*	▼ Substantial Completion (non-consent Decree) - 5D Oxygen Production	
SD42010	EPA Compliance Date for Construction - SD Oxygen Production	00	09-1100-21	25-Feb-22*	Froject Closeout - SD/Oxygen Production	. ! ! !
	LEA COMpliance Date for Constitution - 5D Daygen Fluctuicition	1953	03-Apr-15 A	07-Jan-22	▼ EPA Compliance Date for Construction - SD Ox/gen Production	{
Project Administration SD35010	WASD Project Administration - SD Oxygen Production	1953	03-Apr-15 A	07-Jan-22		. ! ! !
1.03 Oxygenation Ti		3941	02-Oct-13 A	16-Nov-25	WASD Project Administration - SD Oxygen Production	16-Nov-
	lans	944	15-Feb-17 A	09-Dec-19 A		
Engineering Design SD43000	EPA Start Date for Engineering Design - SD Oxygenation Trains	944	31-Mar-17 A	09-Dec-19 A		
SD42020		0	31-IVIAI-17 A	20 Con 10 A	r Engineering Design - SD Owgenation Trains	. ! ! !
	EPA Compliance Date for Engineering Design - SD Oxygenation Trains	500	15 Fab 17 A	30-Sep-19 A	▼ EPA Compliance Date for Engineering Design 13D Oxygenation trains	
SD10190	Engineering Design - SD Oxygenation Trains	580 248	15-Feb-17 A 01-Oct-19 A	09-Dec-19 A 16-Dec-21		,
Permitting SD43010	EPA Start Date for Permitting - SD Oxygenation Trains	248	01-Oct-19 A	16-Dec-21		
SD42030	EPA Compliance Date for Permitting - SD Oxygenation Trains	0	01-001-19 A	31-Mar-20 A	◆ EPA Start Date for Permitting - SD Oxygenation Trains	
SD10250	Permitting - SD Oxygenation Trains	248	07-Nov-19 A	16-Dec-21	■ Pri Compliance Date for Permitting - SD Oxyge nation Trains	
	remitting - 3D Oxygenation nams	1172	21-Mar-17 A	14-Jan-22		
Procurement SD43020	EPA Start Date for Procurement - SD Oxygenation Trains	1172	30-Sep-18 A	14-Jd11-22		
SD42040	EPA Compliance Date for Procurement - SD Oxygenation Trains	0	30-0cp-10 A	17-Jul-19 A	♦ EPA Start Date for Procurement - SD Oxogenation Trains	
SD10330	Procurement - SD Oxygenation Trains	564	21-Mar-17 A	14-Jan-22	EFA Compliance Date for Procurement - 5D oxygenation filants	
	Procurement - 5D Oxygenation Trains				The state of the s	16-Nov
Construction SD43030	EDA Start Data for Construction - SD Owagnation Trains	2301	02-Oct-13 A	16-Nov-25		V 10-10-
	EPA Start Date for Construction - SD Oxygenation Trains	0010	18-Jul-19 A	04.4==05	▶ EPA Start Date for Construction - SD Oxygenation Trains	
SD41680	Construction - SD Oxygenation Trains Substantial Completion (CD Completions Date 14 / 46 / 25) SD Oxygenation Trains	2018	02-Oct-13 A	04-Apr-25		Constru
SD41730	Substantial Completion (CD Compliance Date 11/16/25) - SD Oxygenation Trains	0		04-Apr-25*		stantial Completion
SD42050	EPA Compliance Date for Construction - SD Oxygenation Trains	0	00 0	16-Nov-25*		
	n Trains Structural Rehab	2582	02-Oct-13 A	28-Oct-20		,
Pre-Design	Du Desire CD Oursesting Trains Class (C.)	168	31-Aug-16 A	15-Feb-17 A		, , , , , ,
SD42500	Pre-Design - SD Oxygenation Trains Struct. Rehab	169	31-Aug-16 A	15-Feb-17 A	rgenation transformer Renau	ļļļļ
Engineering Design	F :	145	15-Feb-17 A	11-Jul-17 A		
SD42550	Engineering Design Train 5 - SD Oxygenation Trains Struct. Rehab	37	15-Feb-17 A	24-Mar-17 A	pin Iran 5-350 Oxygenation Irains Struct. Renation ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
SD41660	Engineering Design - SD Oxygenation Trans Struct. Rehab	146	15-Feb-17 A	11-Jul-17 A	lig besign - SD Oxygenation Trans Struct. Renab	
SD42530	Engineering Design Trains 2, 3, 4, 6, 7 - SD Oxygenation Trains Struct. Rehab	146	15-Feb-17 A	11-Jul-17 A	pg_besgt: natis_z, s, 4, b, 7 -SD Oxygenation_natis_struct_fee lab	,
Procurement		1700	21-Mar-17 A	15-Dec-19 A		. ! ! !
SD42600	Procurement Train 5 - SD Oxygenation Trains Struct. Rehab	73	21-Mar-17 A	01-Jun-17 A	Inanto-50 Oxygenation trains struct. Remain ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	. ! ! !
SD42590	Procurement Train 6 - SD Oxygenation Trains Struct. Rehab	96	11-Aug-17 A	23-Jan-18 A	Ploculement main 6-3D Owdenation mains Stuck, Renad	. ! ! !
SD41670	Procurement - SD Oxygenation Trains Struct Rehab	1700	21-Mar-17 A	15-Dec-19 A	Ploculement - SD Oxygenation Irain's Struct. Reliab	. ! ! !
SD42580	Procurement Train 4 - SD Oxygenation Trains Struct. Rehab	60	04-Oct-18 A	15-Dec-19 A	A Procurement Train 4 - SD Oxygenation Trains Struct. Rehab.	
Construction		2582	02-Oct-13 A	28-Oct-20		. <u></u>
SD10640	Construction Train 7 - SD Oxygenation Trains Struct. Rehab	135	02-Oct-13 A	24-Mar-14 A	<u>^ </u>	Çonstru
SD10630	Construction Train 1 - SD Oxygenation Trains Struct. Rehab	341	02-Feb-15 A	08-Jan-16 A	A Construction	Train 1 - SD Oxyger
SD10550	Construction Train 5 - SD Oxygenation Trains Struct. Rehab	77	17-Mar-17 A	01-Jun-17 A	A Construction Train 5 - SD Oxygenation Trains Struct. Rehab	
SD10490	Construction Train 6 - SD Oxygenation Trains Struct. Rehab	105	23-Jan-18 A	30-May-18 A	Construction Train 6 - SD Oxygenation Trains Struct. Rehab	. ! ! !
SD10413	Construction - SD Oxygenation Trains Struct. Rehab	2582	02-Oct-13 A	30-Jul-20		Constru
SD10420	Construction Train 4 - SD Oxygenation Trains Struct. Rehab	105	16-Dec-19 A	30-Jul-20	Construction Train 4 - SD:Oxygenation Trains Struct. Rehab	. ! ! !
SD42850	Project Closeout - SD Oxygenation Trains Struct. Rehab	90	31-Jul-20	28-Oct-20*	Project Closedut - SD Owdenation Trains Struct Rehab	. ! ! !
Project Administration		2582	02-Oct-13 A	28-Oct-20	Project Closedut - SD Owdenation Trains Struct. Rehab.	
SD35020	WASD Project Administration - SD Oxygenation Trains Struct. Rehab	2582	02-Oct-13 A	28-Oct-20		
1.03 (2) - Oxygenation	n Trains - Mixer Upgrade/Electrical Building (OOL ST-1B)	3365	22-Feb-16 A	09-May-25	5	9-May-25, 1,03 (2)
Pre-Design		1023	11-Mar-16 A	27-Jun-18 A	A ▼ 27-Jun-18,A, Pré-Design	
SD20250	Pre-Design - SD Oxygenation Trains Electrical Building Expansion	974	11-Mar-16 A	11-Jan-18 A	A Pre-Design - SD Oxygenation Trains Electrical Building Explansion	
SD44390	Project Transferred to OOL - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	0		11-Jan-18 A		
SD44590	Pre-Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	974	11-Jan-18 A	27-Jun-18 A		. ! ! !
Engineering Design		330	27-Jun-18 A	27-Sep-19 A	A Pre-Design - Mixer Upgrade/Electrical Building Expansion (OQL ST-1B) 27-Sep-19 A, Engineering Design	
SD20290	75% Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	61	27-Jun-18 A	18-Feb-19 A	A 75% Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	
SD41710	Engineering Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	153	27-Jun-18 A	28-May-19 A		
SD20330	100% Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	100	19-Feb-19 A	28-May-19 A		
SD45500	Permit Ready Set - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	60	29-May-19 A	27-Sep-19 A		
Permitting		184	07-Nov-19 A	16-Dec-21	1 V 16-Dec-21, Permitting	
SD41690	Permitting - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	184	07-Nov-19 A	16-Dec-21	Permitting - Mixer I hourade/Flectrical Building Expansion (OO) ST-1R)	
Procurement		388	01-Dec-20	23-Dec-21	Permitting Mixer Upgrade/Electrical Building Expansion (OQLST-1B) 23-Dec-21; Procurement	
SD41700	Procurement - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	388	01-Dec-20*	23-Dec-21	Procurement - Ivilizer updrade/Electrical building Expansion (UOL 5 I-16)	
Construction		3365	22-Feb-16 A	09-May-25	5 T	9-May-25, Constru
SD41450	Construction Train 7 - SD Oxygenation Trains Mixer Upgrade	131	22-Feb-16 A	01-Jul-16 A		Çonstr
SD20258	Contractor Notice to Proceed (NTP) - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	0	24-Dec-21		◆ Contractor Notice to Proceed (NTP) - Mixer Upgrade/Electrical Building Expansion (OC	OLST-1B)
SD10590	Construction Train 3 - SD Oxygenation Trains Struct. Rehab	135	27-Jun-22	08-Nov-22		
SD10620	Construction Train 2 - SD Oxygenation Trains Struct. Rehab	135	01-Oct-22*	12-Feb-23	Construction Train 2 - SD Oxygenation	Trains Struct. Rel
SD20260	Construction - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	1198	24-Dec-21	04-Apr-25		struction - Mixer U
SD10650	Substantial Completion (CD Compliance Date 11/16/25) - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	0		04-Apr-25*		stantial Completio
SD40020	Project Closeout - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	35	05-Apr-25	09-May-25*	→ July →	1 1 1
Project Administration		1431	27-Jun-18 A	09-May-25		roject Closeout - M 9-May-25, Project
SD35030	WASD Project Administration - Mixer Upgrade/Electrical Building Expansion (OOL ST-1B)	1431	27-Jun-18 A	09-May-25		VASD Project Adm
1.03 (3) - Oxygenation	n Trains - SS 5/6 and SS 15/16 (OOL ST-2D)	2628	22-Feb-16 A	03-May-23	9 3	ind \$\$ 15/16 (OC
Pre-Design	,	308	12-Jan-17 A	12-Feb-19 A	<u> </u>	
SD43520	Pre-Design (Mixer Evaluation) - SD Oxygenation Trains Mixer Upgrade	308	12-Jan-17 A	06-Nov-17 A		
SD44560	Pre-Design - SS 5/6 and SS 15/16 (OOL ST-2D)	308	11-Jan-18 A	12-Feb-19 A	A Pre-Design - SS 5/8 and SS 15/16 (OO) ST(2D)	. ! !
			13-Feb-19 A	22-Sep-20		
Engineering Design		311	101001071			



	ee Schedule - June 2020 Update			<u> </u>	v Baseline (By Phase) 15-Jul-20 14:51 - Page No. 5 of
ity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 20 Q1 Q2 Q3 Q4 Q1
Procurement		394	27-Oct-17 A	31-Oct-19 A	
Construction		2037	23-Jan-18 A	23-Aug-20	
SD30120	Wetwell #1 Piping - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A	Wetwell #1 Piping - SD Effluent PS Wetwell Rehab
SD30130	Structural Rehab Wetwell #2 - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A	
SD44620	Structural Rehab Wetwell #1 - SD Effluent PS Wetwell Rehab	75	· · · · · · · · · · · · · · · · · · ·	18-Apr-19 A	Structural Renab Welwell #1 - Sty Embern PS Welwell Renab
SD31740	Construction - Structural Rehab Wetwells	1472		26-May-20 A	
SD30020	Structural Rehab Wetwell #3 - SD Effluent PS Wetwell Rehab	180		26-May-20 A	Structural Renab Wetwell #3 - SD Efficient P3 Wetwell Renab ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
SD30110 SD11042	Structural Rehab Wetwell #4 - SD Effluent PS Wetwell Rehab Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Wetwell Rehab	180	01-Nov-19 A	26-May-20 A 26-May-20 A	Structural Renab Wetweil #4 - SD Efficient PS Wetweil Renab
SD42860	Project Closeout - SD Effluent PS Wetwell Rehab	90	26-May-20 A	23-Aug-20*	Substantial Completion (CD Compliance Date 4/4/1/22) - SD Entitlent PS Wetwell Renab
Project Administration	Trojon diocedit of Elinability of Welliam Heriad	1582	19-Nov-13 A	26-May-20 A	Toget observed to the control of the
SD35050	WASD Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & WW Rehab	1582	19-Nov-13 A	26-May-20 A	,
1.05 (2) Effluent Pump	Station Building Improvements & Pumps 1-6 Equip.	2148	03-Mar-16 A	18-Jan-22	WA SD Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & W.W. Rehab. 18-Jan-22, 1.05 (2) Effluent Pump Station Building Improvements & Pumps 1-6 Equip.
Pre-Design		592	03-Mar-16 A	24-Oct-17 A	Cot-17 A, Pire-Design
SD11192	Pre-Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	134	03-Mar-16 A	14-Jul-16 A	
SD41850	Negotiate Remaining Balance of Work - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	410	· · · · · · · · · · · · · · · · · · ·	24-Oct-17 A	govale Remaining Balance of work- 5D Enneth Fumb Station Building Improvements & Pumps 1-5 Equip.
Engineering Design	To be in I Managed at 1788 CD Effects Down Ording Deliberation and a Committee of C	767	14-Jul-16 A	27-Jul-18 A	
SD41840 SD20410	Technical Memorandum (TM) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip. Draft Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	97 45	14-Jul-16 A 24-Oct-17 A	18-Oct-16 A 11-Dec-17 A	1) - SD Entide it Furth Station building improvements & Furths 1-6 Equip.
SD20410 SD20420	BODR Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	7	12-Dec-17 A	18-Dec-17 A	Dian basis or besign report (bODR) - SD Emilietit Purity Station Building Improvements & Puritys 1-6 Equip.
SD20420 SD44330	Final Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	16	12-Dec-17 A 19-Dec-17 A	05-Jan-18 A	BODA Review Period - SD Entident PS Building Improvements & Pumps 1-6 Equip.
SD20450	60% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	77	06-Jan-18 A	23-Mar-18 A	Final basis of Design Report (BODR) - 3D Entuent Pump Station building Improvements & Pumps 1-0.Equip.
SD20460	60% Design Review -SD Effluent PS Building Improvements & Pumps 1-6 Equip.	14		16-Apr-18 A	60% Design Submittal - SD Emuent PS Building Improvements & Pumps 1-6 Equip.
SD20470	100% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	73	17-Apr-18 A	18-Jun-18 A	■ 60% Design Review -SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD11102	Engineering Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	191	24-Oct-17 A	27-Jul-18 A	
SD40150	100% Design Review/Permit Ready Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	25	19-Jun-18 A	27-Jul-18 A	
Permitting		170	16-Aug-18 A	14-Dec-18 A	100% Design Review/Permit Ready Submittal SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD11112	Permitting - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	170	16-Aug-18 A	14-Dec-18 A	
Procurement		349	14-Nov-18 A	02-Oct-19 A	
SD43440	Internal Bid Package Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	3	14-Nov-18 A	27-Nov-18 A	Internal Bid Package Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD30570	Design Documents Sent to Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	07-Dec-18 A	07.5-1.40.4	◆ Design Documents Sent to Procurement -SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD30580	Submit/Approve SBD Goals and Request to Advertise - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	07-Dec-18 A	07-Feb-19 A	Submit/Approve SBD Goals and Request to Advertise - SD Effluent PS Building In provements & Pumps 1-6 Equip.
SD30590	Advertise Bid Package - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	07-Feb-19 A	02 4 = 40 4	◆ Advertisje Bid Packajae - SD Efflijvent PS Building Improvements & Pumps 1-6 Equip.
SD30600 SD30610	Bid Solicitation Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip. Bids Due - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	19-Feb-19 A 04-Apr-19 A	03-Apr-19 A	Bid Solicitation relical- 5D children res building improvements & Puritys 1-6 Equip.
SD30620	Bid Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	04-Apr-19 A	06-Aug-19 A	♦ Bids Due SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD30630	Award Recommendation - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	04-Api-19 A	06-Aug-19 A	bu Review Fellou - St. Enliuent FS Building introvernents & Fumbs 1-6 Equip.
SD11122	Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	270	07-Dec-18 A	02-Oct-19 A	
SD30640	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	90	07-Aug-19 A	02-Oct-19 A	
Construction	That if product (200), indicating the content of 2 states in the content of a state in a	808	03-Oct-19 A	18-Jan-22	Final Approvals [BCC, Wayor, Risk Mightt.) - SD Entuent PS Building improvements & Pumps 1-6 Equip.
SD11130	Contractor Notice to Proceed (NTP) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	03-Oct-19 A		◆ Contractor Notice to Proceed (NTP) - SD/Effluent PS Building Improvements & Pumps 1-6/Equip.
SD11132	Construction - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	660	03-Oct-19 A	20-Oct-21	Construction - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD44800	Commissioning - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	21-Sep-21	20-Oct-21	☐ Commissioning - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD11142	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0		20-Oct-21*	◆ Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Building Improvements & Pumps 1
SD40040	Project Closeout - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	90	21-Oct-21	18-Jan-22*	Project Closeout - SD Effluent PS Building Improvements & Pumps 1-6. Equip.
Project Administration		1454	24-Oct-17 A	18-Jan-22	■ 18-Jan-22, Project Administration
SD35060	WASD Project Administration - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	1454	24-Oct-17 A	18-Jan-22	WASD Project/Administration - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
	Station Electrical Equipment (Pumps 7-9)	796	19-Nov-13 A	23-Jan-16 A	▼ 30-Apr-23, 1.06 Gravity Sludge Thickeners
1.06 Gravity Sludge	Thickeners	3224	03-Jul-14 A	30-Apr-23	
Engineering Design SD20480	Technical Evaluation of Alternates - SD Gravity Sludge Thickeners	1520 238	03-Jul-14 A 03-Jul-14 A	18-Aug-18 A 25-Feb-15 A	
SD20480 SD20550	Negotiate Scope and Cost with MWH - SD Gravity Sludge Thickeners	72	19-Dec-14 A	25-Feb-15 A 28-Feb-15 A	
SD20780	Basis of Design Report (BODR) - SD Gravity Sludge Thickeners	234	13-Apr-15 A	02-Dec-15 A	
SD10280	Engineering Design - SD Gravity Sludge Thickeners	636	03-Jul-14 A	29-Mar-16 A	<u>le inickenejs</u>
SD41090	Issue Final RDBS - SD Gravity Sludge Thickeners	0	/ / /	29-Mar-16 A	
SD31020	Design Criteria Package Initial Submittal - SD Gravity Sludge Thickeners	145	03-Dec-15 A	26-Apr-16 A	pxeners;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
SD31010	Pilot Testing of Thickening Process - SD Gravity Sludge Thickeners	252	21-Aug-15 A	29-Apr-16 A	- SD-Gravity Studge Thickeners
SD31040	DCP Design Review - SD Gravity Sludge Thickeners	25	25-Apr-16 A	19-May-16 A	
SD31060	Final DCP Submittal - SD Gravity Sludge Thickeners	188	20-May-16 A	23-Nov-16 A	
SD43120	EPA Start Date for Engineering Design - SD Gravity Sludge Thickeners	0	01-Jan-18 A		EPA Start; Date for Engineering Design - SD Gravity Studge Thickeners
SD42140	EPA Compliance Date for Engineering Design - SD Gravity Sludge Thickeners	0		18-Aug-18 A	A ◆ EPA Compliance Date for Engineering Design - SD Gravity Sludge Thickeners
Permitting	EDEDD A ODO A OLI TIL	167	29-Jan-16 A	14-Jul-16 A	
SD31070	FDEP Permit - SD Gravity Sludge Thickeners	168	29-Jan-16 A	14-Jul-16 A	Indications in the second seco
Procurement SD31260	RDBS Sent to Procurement - SD Gravity Sludge Thickeners	1624	29-Mar-16 A 29-Mar-16 A	17-Aug-20	
SD31260 SD31470	Submit/Approve SBD Goals and Request to Advertise - SD Gravity Sludge Thickenes	113	29-Mar-16 A	19-Jul-16 A	Sludae Thickeners
SD31480	Advertise RDBS - SD Gravity Sludge Thickeners	n	29-Mai-16 A 20-Jul-16 A	13-341-1074	equest to Adventise - 5D Gra My Studge Inflorences
SD31490	Request for Qualifications - SD Gravity Sludge Thickeners	59	20-Jul-16 A	16-Sep-16 A	e Thickeners
SD31490 SD31500	Qualifications Package Due - SD Gravity Sludge Thickeners	09	17-Sep-16 A	10-0ep-10 A	P Glayiry Siduge Thicket let's
020.000	Qualification Review Period - SD Gravity Sludge Thickeners	91	17-Sep-16 A	16-Dec-16 A	SD Gravity Sludge Thickeners
SD31510		0	500 1071	16-Dec-16 A	lod - 5D Glavity Studge Introderiers
SD31510 SD31520	Shortiist Published - SD Gravity Sludge Thickeners			, , , , , , , , , , , , , , , , , , , ,	Gravity Sludge Thickeners
SD31510 SD31520 SD31530	Shortlist Published - SD Gravity Sludge Thickeners Request for Proposals - SD Gravity Sludge Thickeners	101	24-Jan-17 A	04-May-17 A	,
SD31520	Request for Proposals - SD Gravity Sludge Thickeners Proposals Due - SD Gravity Sludge Thickeners	101	24-Jan-17 A 05-May-17 A	04-May-17 A	oposáls - SD Gravity Sludge Thickeners
SD31520 SD31530	Request for Proposals - SD Gravity Sludge Thickeners		05-May-17 A	04-May-17 A 24-Aug-17 A	oposáls - SD Gravity Sludge Thickeners - SD;Gravity Sludge Thickeners

WASD Consent Decr	ee Schedule - June 2020 Update		Stand	lard Layout w I	Baseline (By Phase) 15-Jul-20 14:51 - Page No. 6 of 4:
Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026
SD31570	Contract Negotiations - SD Gravity Sludge Thickeners	53	25-Aug-17 A	17-Nov-17 A	Q1 Q2 Q3 Q4 Q1 Q2
SD31580	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Gravity Sludge Thickeners	79		01-May-18 A	ontract negotiations - SD Gravity Sludge Inickeners
SD44730	Bid Cancellation - SD Gravity Sludge Thickeners	0		30-May-18 A	Fijiai Applovais (DCC, Mayor, Nisk Migrit.) - 3D Grainty Stiquige Triticeners
SD44750	TA Re-Negotiation and Approval - SD Gravity Sludge Thickeners	60	11-May-18 A	23-Jul-18 A	
SD44990	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	29-Aug-18 A	
SD45000	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	30	19-Sep-18 A	08-Nov-18 A	
SD45010	Project Advertisement (after signed RTA) - SD Gravity Sludge Thickeners	0		08-Nov-18 A	
SD45040	Select and Approve Competitive Selection Committee (CSC) - SD Gravity Sludge Thickeners	40	19-Sep-18 A	04-Jan-19 A	
SD45020	Step 1 - Submittal Due Date - SD Gravity Sludge Thickeners	40	09-Nov-18 A	11-Jan-19 A	Step 1 - Submittal Due Date - SD Gravity Sludge Thickeners
SD45030	Step 1 - Qualifications Evaluation/Meeting - SD Gravity Sludge Thickeners	30		06-Mar-19 A	Step i - Qualifications Evaluation/ivigeting - 5D Gravity Sludge Inickeners
SD45360	Issue DCP and Request for Proposals - SD Gravity Sludge Thickeners	15		19-Mar-19 A	i i i issue DCP and Request for Hroposais - SD Gravity Sludge Thickeners i i i i i i i i i i i i i i i i i i i
SD45060	Step 2 Submittal Due Date - SD Gravity Sludge Thickeners	54	18-Mar-19 A	10-May-19 A	Step 2 Submittal Due Date - SD Gravity Studge Trickeries
SD45080	Step 2 Meeting - SD Gravity Sludge Thickeners	30		12-Jun-19 A	Step 2 Meeting - SD Giputy Sludge I nickeners
SD45070	Step 2 Proposal Review and Evaluation - SD Gravity Sludge Thickeners	76		12-Jun-19 A 01-Jul-19 A	The state of the s
SD45090 SD45110	Negotiation Memo submitted / Approved by WASD Director - SD Gravity Sludge Thickeners Negotiations Commence - Contract provided to Firm (1st meeting) - SD Gravity Sludge Thickeners	60	13-Jun-19 A 02-Jul-19 A	09-Aug-19 A	Negoritation Memo sulfmitted / Approved by WASD Lifector - SD Gravity Studge I nickeners
SD43110	EPA Start Date for Procurement - SD Gravity Sludge Thickeners	00	19-Aug-19 A	09-Aug-19 A	1 regulations Continence - Contract provided to Fifth (1st heeting) - 3D Gravity Shodge (Tricketters
SD45120	Negotiations Concluded and preparation of final Contract - SD Gravity Sludge Thickeners	162	10-Aug-19 A	26-Sep-19 A	◆ EPA Start Date for Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners
SD45130	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Gravity Sludge Thicke	60		13-Dec-19 A	regulations conducted and preparation of final contract - 5D Gravity Studge (incidences
SD45140	Submit Contract Award Recommendation/Contract for internal approvals -SD Gravity Sludge Thickeners	21	14-Dec-19 A	28-Feb-20 A	Contract Executed by Firm and obtain County Attorney, Risk Warragement and Ovidis Signatures - 5D Gravity Studge; Infokencis
SD45150	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - SD Gravity Sludge Thickeners	62	29-Feb-20 A	05-May-20 A	
SD10430	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	60	29-Mar-16 A	03-Jul-20	Procurement - SD Gravity, Sludge Thickeners
SD44710	Repackage and Rebid Project - SD Gravity Sludge Thickeners	739	09-Aug-18 A	03-Jul-20	Repackage and Rebid Project - SD Gravity Sludge Thickeners
SD45160	Issue NTP - SD Gravity Sludge Thickeners	59	06-May-20 A	03-Jul-20	Issue NTP - SD Gravity Studge Thickeners
SD42160	EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners	0		17-Aug-20*	◆ EPA Compliance Date for Procurement - SD Gravity. Sludge Thickeners 30-Apr-23, Design-Build
Design-Build	D. D. H. ATD. ODG. A. OL. L. T. L.	1029	06-Jul-20	30-Apr-23	30-Apr-23, Design-Build
SD31590 SD43150	Design-Builder NTP - SD Gravity Sludge Thickeners EPA Start Date for Construction - SD Gravity Sludge Thickeners	0	06-Jul-20 18-Aug-20*		▶ Design-Builder NTP - \$D Gravity Sludge Thickeners
SD31090	Final Engineering by Design-Builder - SD Gravity Sludge Thickeners	300	06-Jul-20	01-May-21	◆ EPA Start Date for Construction - SD Gravity Sludge Thickeners
SD31100	AHJ Permit Review - SD Gravity Sludge Thickeners	180	02-Jan-21	30-Jun-21	Final Engineering by Design-Builder - SD Gravity Sludge Thickeners
SD43860	Design-Builder Contract Duration - SD Gravity Sludge Thickeners	909	06-Jul-20	31-Dec-22	AHJ Permit Review - SD Gravity Sludge Thickeners Design-Builder Contract Duration - SD Gravity Sludge Thickeners
SD10500	Construction - SD Gravity Sludge Thickeners	729	02-Jan-21	31-Dec-22	Construction - SD Gravity Sludge Thickeners
SD44810	Commissioning - SD Gravity Sludge Thickeners	30	02-Dec-22	31-Dec-22	☐ Commissioning + SD Gravity Sludge Thickeners
SD10600	Substantial Completion (CD Compliance Date 1/06/23) - SD Gravity Sludge Thickeners	0		31-Dec-22*	
SD42170	EPA Compliance Date for Construction - SD Gravity Sludge Thickeners	0		06-Jan-23*	
SD40050	Project Closeout - SD Gravity Sludge Thickeners	120	01-Jan-23	30-Apr-23*	Project Closeout - SD Gravity Sludge Thickeners.
Project Administration	WARD CALL COLOR OF COLOR TOLD	2380	03-Jul-14 A	30-Apr-23	
SD35070 1.07 Digesters and 0	WASD Project Administration - SD Gravity Sludge Thickeners	2380 3480	03-Jul-14 A 30-Jun-14 A	30-Apr-23 08-Jan-24	WASD Project Administration - SD Gravity. Sludge Thickeners. ▼ 08-Jan-24, 1.07 Digesters and Control Building
Pre-Design	ontrol building	604	18-Feb-15 A	14-Oct-16 A	
SD20016	Negotiate Scope and Cost with MWH - SD Digesters & Control Building	84		22-Jun-15 A	
SD42900	Negotiate Scope and Cost with MWH for SS 7 & 8 - SD Sub-Stations 7 & 8 (Non-Consent Decree)	605	18-Feb-15 A	14-Oct-16 A	rol Building with MWH for SS 7. & 8SD Sub-Stations 7. & 8. (Non-Consent Decree)
Engineering Design		1039	30-Jun-14 A	04-May-17 A	
SD43160	EPA Start Date for Engineering Design - SD Digesters & Control Building	0	03-Jul-14 A		
SD20006	Basis of Design Report (BODR) - SD Digesters & Control Building	313		08-May-15 A	—P : : : : : : : : : : : : : : : : : : :
SD20770	Review/Revise BODR - SD Effluent Pump Station Building Improvements	45	•	22-Jun-15 A	provements; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
SD20026	30% Design Submittal - SD Digesters & Control Building	127		27-Oct-15 A	pmg: : : : : : : : : : : : : : : : : : :
SD20036	30% Design Review - SD Digesters & Control Building	24		20-Nov-15 A	
SD20046 SD20056	60% Design Submittal - SD Digesters & Control Building 60% Design Review -SD Digesters & Control Building	110		09-Mar-16 A 22-Mar-16 A	Intro punding
SD20056 SD20066	100% Design Submittal - SD Digesters & Control Building	86		16-Jun-16 A	OLDWAING
SD10010	Engineering Design - SD Digesters & Control Building	795		01-Sep-16 A	FIS & CONTROL DUTCHING IN THE FOR THE
SD40160	100% Design Review/Permit Ready Submittal - SD Digesters & Control Building	77		01-Sep-16 A	
SD42180	EPA Compliance Date for Engineering Design - SD Digesters & Control Building	0		30-Sep-16 A	Fady Submittal - SD Digesters & Control Bulliding
SD41520	60% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	60	06-Dec-16 A	03-Feb-17 A	
SD41800	60% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	7	04-Feb-17 A	10-Feb-17 A	
SD42430	100% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	49	11-Feb-17 A	31-Mar-17 A	bmittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)
SD43820	100% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	10	<u> </u>	10-Apr-17 A	view - SD Sub-Stations 7 & 8 (Non-Consent Decree)
SD42440	100% Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	24	·	04-May-17 A	seady Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)
Permitting SD42470	EDA Chat Data for Domitting CD Dispoton 9 Control Duilding	1069		30-Jun-17 A	n, reinnung
SD43170 SD41860	EPA Start Date for Pemitting - SD Digesters & Control Building FDEP Permit - SD Digesters & Control Building	299	27-Jul-14 A 26-Oct-15 A	10-Aug 16 A	
SD10040	Permitting - SD Digesters & Control Building Permitting - SD Digesters & Control Building	569		19-Aug-16 A 16-May-17 A	Onto Building
SD41870	RER DERM Permit - SD Digesters & Control Building	259		16-May-17 A	
SD41880	MDC Building Department Permit - SD Digesters & Control Building	259		16-May-17 A	Entitle 3D bigestels & Control bullioning
SD42870	RER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)	12		16-May-17 A	Department Fernix - St. Digesters & Control Building
SD42880	MDC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree)		05-May-17 A	16-May-17 A	elinik - 3D Substations 7 & 6 (Non-Consent Decree)
SD42190	EPA Compliance Date for Permitting - SD Digesters & Control Building	0	·	30-Jun-17 A	liance Date for Permitting - SD Digesters & Control Building
Procurement		834	25-Aug-17 A	17-Apr-20 A	T 17 Apr-20 A, Procurement
SD43180	EPA Start Date for Procurement - SD Digesters & Control Building**	0	· '		tart Date for Procurement - SD Digesters & Control Building**
SD43570	GMOU submittal and approval - SD Digesters & Control Building	23		16-Sep-17 A	U submittal/and approval - SD/Digesters &/Control Building
SD43450	Internal Bid Package Review - SD Digesters & Control Building	62		18-Oct-17 A	mal Bid Package Review - SD Digesters & Control Building
SD30320	Design Documents Sent to Procurement - SD Digesters & Control Building	0		44 1== 10 4	sign Documents Sent to Procurement - SD Digesters & Control Building
SD30330	Submit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building	60	19-Oct-17 A	11-Jan-18 A	Submit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building

	ree Schedule - June 2020 Update	Original		ard Layout w B	laseline (By Phase) 15-Jul-20 14:51 - Page No. 7 of 43
tivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q3 Q4 Q
SD30340	Advertise Bid Package - SD Digesters & Control Building	0	12-Jan-18 A		Advertise Bid Package - SD/Digesters &/Control Building
SD30350	Bid Solicitation Period - SD Digesters & Control Building	60	12-Jan-18 A	19-Mar-18 A	Advertise Bid Package - SD Digesters & Control Building Bid Solicitation Period - SD Digesters & Control Building
SD30360	Bids Due - SD Digesters & Control Building	0	20-Mar-18 A		Bids Due - SD Digesters & Control Building Bids Due - SD Digesters & Control Building
SD42200	EPA Compliance Date for Procurement - SD Digesters & Control Building**	0		30-Apr-18 A	◆ EPA Compliance Date for Procurement - SD Digesters & Control Building**
SD30370	Bid Review Period - SD Digesters & Control Building	30	20-Mar-18 A	18-May-18 A	■ Bid Review Period - SD Digesters & Control Building
SD30380	Award Recommendation - SD Digesters & Control Building	0		18-May-18 A	◆ Award Recommendation - SD Digesters & Control Building
SD10080	Procurement - SD Digesters & Control Building	270	19-Oct-17 A	08-Aug-18 A	→ Award Recommendation - 5D Digesters & Control Building Procurement - SD Digesters & Control Building
SD30390	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building	75	19-May-18 A	08-Aug-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - \$D Digesters & Control Building
SD33690	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building	60	09-Aug-18 A	07-Feb-19 A	Pre-Purchase Bid Package (RTW) - SD Digesters & Control Building
SD33710	Requisition for Pre-Purchase Package (RTU) - SD Digesters & Control Building	30	08-Feb-19 A	08-Mar-19 A	■ Requisition for Pre-Purchase Package (RTU) - SD Digesters & Control Building
SD33730	Vendor NTP (RTU) - SD Digesters & Control Building	62	09-Mar-19 A	09-May-19 A	VendorNTP (RTU) +SD Digesters & Control Building
SD33700	Pre-Purchase RTU - SD Digesters & Control Building	272	09-Aug-18 A	17-Apr-20 A	Pre-Purchase RTU - \$D Digesters & Control Building
SD33740	Fabricate & Deliver RTU for Cluster 1 - SD Digesters & Control Building	180	10-May-19 A	17-Apr-20 A	Fabricate & Deliver RTU for Cluster 1 - SD Digesters & Control Building.
Construction	•	2049	01-May-18 A	08-Jan-24	Fabricate & Deliver RTD for clusted 1.* SD Digesters & Control building. ✓ 08-Jan-24, Construction
SD43190	EPA Start Date for Construction - SD Digesters & Control Building**	0	01-May-18 A		◆ EPA Start Date for Construction - SD Digesters & Control Building**
SD30400	Contractor Notice to Proceed (NTP) - SD Digesters & Control Building	0	08-Aug-18 A		◆ Contractor Notice to Proceed (NTP) - SD Digesters & Control Building
SD45350	Substantial Completion (Acid Phase) - SD Digesters & Control Building	0		24-Nov-21*	◆ Substantial Completion (Acid Phase) - SD Digesters & Control Building
SD10140	Construction - SD Digesters & Control Building	1200	08-Aug-18 A	12-Jul-23	Construction: - SD Digesters & Control Building
SD44820	Commissioning - SD Digesters & Control Building	30	13-Jun-23	12-Jul-23	1
SD10560	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building	0		12-Jul-23*	☐ Commissioning; - SD Digesters & Control Building Substantial Completion (CD:Compliance Date:11/21/23) - SD Digesters
SD42210	EPA Compliance Date for Construction - SD Digesters & Control Building	0		21-Nov-23*	
SD40060	Project Closeout - SD Digesters & Control Building	180	13-Jul-23	08-Jan-24*	
Project Administration		2778	30-Jun-14 A	08-Jan-24	Project Closeout - SD/Digesters & Control Building 7 08-Jan-24, Project Administration
SD35080	WASD Project Administration - SD Digesters & Control Building	2778	30-Jun-14 A	08-Jan-24	WASD Project Administration - SD Directlers & Control Ru
1.08 Dewatering Fac	cility	3226	01-Jul-14 A	30-Apr-23	WASD Project Administration - SD Digesters & Control Bu ▼ 30-Apr-23, 1.08 Dewatering Facility
Pre-Design		71	19-Dec-14 A	28-Feb-15 A	
SD11222	Pre-Design - SD Dewatering Facilities	72	19-Dec-14 A	28-Feb-15 A	
Engineering Design		876	01-Jul-14 A	23-Nov-16 A	Design
SD43200	EPA Start Date for Engineering Design - SD Dewatering Facilities**	0	01-Jul-14 A		
SD42220	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**	0		13-Apr-15 A	Facilities**
SD20000	Basis of Design Report (BODR) - SD Dewatering Facilities	234	13-Apr-15 A	02-Dec-15 A	Facilities
SD10030	Engineering Design (DCP) - SD Dewatering Facilities	467	13-Apr-15 A	29-Mar-16 A	recunities ha Facilities ha Facilities
SD41100	Issue Final RDBS - SD Dewatering Facilities	0		29-Mar-16 A	
SD20020	Design Criteria Package Initial Submittal - SD Dewatering Facilities	146	03-Dec-15 A	26-Apr-16 A	#5
SD20800	Pilot Testing of Thickening Process - SD Dewatering Facilities	253		29-Apr-16 A	- SD Dewatering Facilities
SD20030	DCP Design Review - SD Dewatering Facilities	25		19-May-16 A	Dewatering Facilities
SD20040	Final DCP Submittal - SD Dewatering Facilities	188	•	23-Nov-16 A	Facilities
Permitting		167	29-Jan-16 A	14-Jul-16 A	Dewatering Facilities
SD20070	FDEP Permit - SD Dewatering Facilities	168	29-Jan-16 A	14-Jul-16 A	
Procurement		1624		03-Jul-20	03-Jul-20, Procurement
SD31600	RDBS Sent to Procurement - SD Dewatering Facilities	0			
SD43220	EPA Start Date for Procurement - SD Dewatering Facilities	0	13-Apr-16 A		ing Facilities
SD31610	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities	113		19-Jul-16 A	watering Facilities
SD31620	Advertise RDBS - SD Dewatering Facilities	0			lequest to Advertise - SD Dewatering Facilities
SD31630	Request for Qualifications - SD Dewatering Facilities	59		16-Sep-16 A	Facilities
SD31640	Qualifications Package Due - SD Dewatering Facilities		17-Sep-16 A		Dewatering Facilities
SD31650	Qualification Review Period - SD Dewatering Facilities	91	•	16-Dec-16 A	DD Dewatering Facilities
SD31660	Shortlist Published - SD Dewatering Facilities	0		16-Dec-16 A	iod - SD Dewatering Facilities
SD31670	Request for Proposals - SD Dewatering Facilities	101	24-Jan-17 A	04-May-17 A	Dewatering Facilities
SD31680	Proposals Due - SD Dewatering Facilities	0			oposals - SD Dewatering Facilities
SD31690	Proposal Review Period & Oral Presentations - SD Dewatering Facilities		05-May-17 A	24-Aug-17 A	- SD Dewatering Facilities
SD31700	Award Recommendation - SD Dewatering Facilities		25-Aug-17 A	.3	al Review Period & Oral Presentations - SD Dewatering Facilities
SD31710	Contract Negotiations - SD Dewatering Facilities	53		17-Nov-17 A	Recommendation - SD Dewatering Facilities
SD42240	EPA Compliance Date for Procurement - SD Dewatering Facilities	0		09-Jan-18 A	ontract Negotiations - SD Dewatering Facilities
SD31720	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities	79	18-Nov-17 A	01-May-18 A	EPA Compliance Date for Procurement + SD Dewatering Facilities
SD44740	Bid Cancellation - SD Dewatering Facilities	0		30-May-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities
SD44760	TA Re-Negotiation and Approval - SD Dewatering Facilities	60	11-May-18 A	23-Jul-18 A	♦ Bid Cancellation - SD Dewatering Facilities
SD45170	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	•	28-Aug-18 A	TA Re-Negotiation and Approval -SD Dewateling Facilities
SD45170	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40		08-Nov-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments
SD45190	Project Advertisement (after signed RTA) - SD Dewatering Facilities	0	10 00p-10 A	08-Nov-18 A	Submit approved Review Item to SBD Receipt of \$BD Worksheet, Request to Advertise; approval from WASD and OMB
SD45190 SD45220	Select and Approve Competitive Selection Committee (CSC) - SD Dewatering Facilities	40	19-Sep-18 A	04-Jan-19 A	◆ Project Advertisement (after signed RTA) - SD Dewatering Facilities
SD45220 SD45200				11-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - SD/Dewatering Facilities
SD45200 SD45210	Step 1 - Submittal Due Date - SD Dewatering Facilities Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities	30		06-Mar-19 A	Step 1 - Şubmittal Due Date - SD Dewatering Facilities
SD45210 SD45370		15		19-Mar-19 A	Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities
	Issue DCP and Request for Proposals - SD Dewatering Facilities Stop 2 Submitted Duo Date - SD Dewatering Facilities				Issue DCP and Request for Proposals - SD Dewatering Facilities
SD45240	Step 2 Submittal Due Date - SD Dewatering Facilities Step 2 Mooting - SD Dewatering Facilities	54		10-May-19 A	Step 2 Submittal Due Date - SD Dewatering Facilities
SD45260	Step 2 Meeting - SD Dewatering Facilities	30		12-Jun-19 A	Step 2 Meeting - SD Dewatering Fabilities
SD45250	Step 2 Proposal Review and Evaluation - SD Dewatering Facilities	76	•	12-Jun-19 A	Step 2 Proposal Review and Evaluation - \$D Dewatering Facilities
SD45270	Negotiation Memo submitted / Approved by WASD Director - SD Dewatering Facilities	60		01-Jul-19 A	■ Negotiation Memo submitted / Approved by WASD Director - SD Dewatering Facilities
SD45290	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Dewatering Facilities	10		09-Aug-19 A	Negotiations Commence + Contract provided to Firm (1st meeting) - SD Dewatering Facilities
SD45320	Negotiations Concluded and preparation of final Contract - SD Dewatering Facilities	162		26-Sep-19 A	Negotiations Concluded and preparation of final Contract - \$D Dewatering Facilities
SD45330	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities	78	•	13-Dec-19 A	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities
SD45340	Submit Contract Award Recommendation/Contract for internal approvals -SD Dewatering Facilities	21		28-Feb-20 A	Submit Contract Award Recommen dation/Contract for internal approvals -SD Dewa tering Facilities
SD45300	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - SD Dewatering Facilities	62	29-Feb-20 A	05-May-20 A	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - SD Dew atering Facilities
	Procurement - SD Dewatering Facilities	679	29-Mar-16 A	03-Jul-20	Procurement - SD Dewatering Facilities

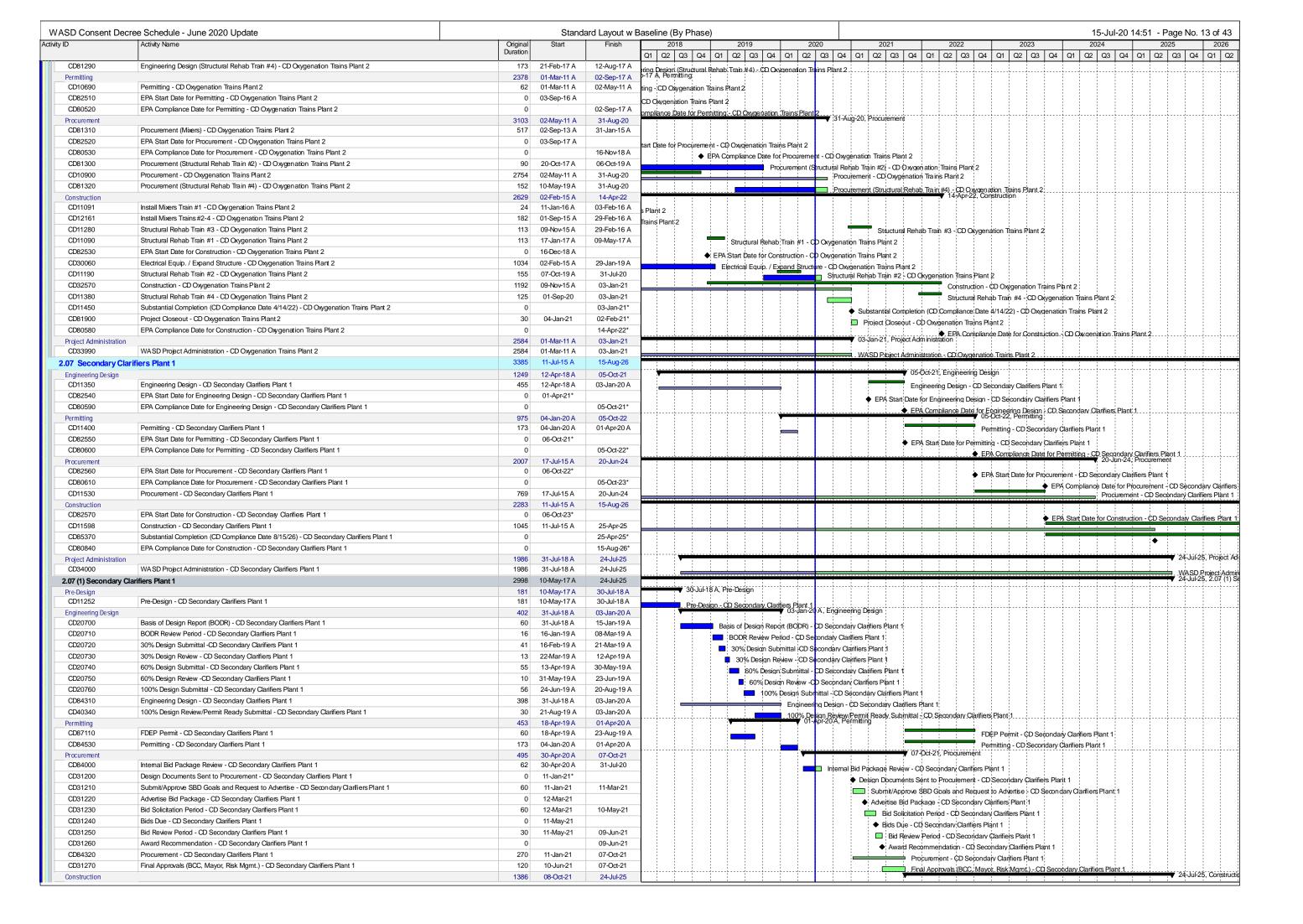


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y io	Today Famo	Duration	Otan	1 111011	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2							Q4 (Q4
1.11 General Electric	ical	2054	25-Oct-16 A	09-Jun-22						neral Electrical					
Engineering Design		482	25-Oct-16 A	14-Feb-19 A	▼ 14-Feb-19 A, Engineering Desig	n									
SD43320	EPA Start Date for Engineering Design - SD General Electrical	0	31-Dec-16 A	24 Dec 47 A	ineering Design - SD General Electrical										
SD42340 SD10180	EPA Compliance Date for Engineering Design - SD General Electrical Engineering Design (Summary) - SD General Electrical	0	25-Oct-16 A	31-Dec-17 A 14-Feb-19 A	PEPA Compliance Date for Engineering Design SD General Engineering Design (Summary)	Electrical - SD General Electrical									
Permitting	Engineering seeigh (canniary) es contact seetinear	694	30-Jun-17 A	25-May-19 A	25-May-19 A, Pemitting	- 3D General Electrical		+	···			/ -			
SD43330	EPA Start Date for Permitting - SD General Electrical	0	30-Jun-17 A		Date for Permitting - SD General Electrical										
SD42350	EPA Compliance Date for Permitting - SD General Electrical**	0		28-May-18 A	◆ EPA Compliance Date for Permitting - SD General	l Electrical**									
SD10230	Permitting (Summary) - SD General Electrical	0	07-May-18 A	25-May-19 A	Permitting (Summary) - S		ļļ		} -			ļļ		,	
Procurement SD43340	EPA Start Date for Procurement - SD General Electrical	626	29-May-18 A 29-May-18 A	23-Aug-20		23-Aug-20, Procurement								. :	
SD42360	EPA Compliance Date for Procurement - SD General Electrical	0	25-Way-1074	28-May-19 A	◆ EPA Start Date for Procurement - SD General Ele										
SD10310	Procurement (Summary) - SD General Electrical	169	24-Aug-18 A	23-Aug-20	◆ EPA Compliance Date for	Procurement - SD General Electric Procurement (Summary) - SD		ctrical							
Construction		1016	29-May-19 A	11-Mar-22	V			lar-22, Cons	ruction						
SD43350	EPA Start Date for Construction - SD General Electrical	0	29-May-19 A		◆ EPA Start Date for Const	ruction - SD General Electrical									
SD42370 SD10390	EPA Compliance Date for Construction - SD General Electrical	725	02 Oct 10 A	26-Mar-21* 11-Mar-22		◆ EPA Compliand									
SD10390 SD10510	Construction (Summary) - SD General Electrical Substantial Completion (CD Compliance Date 3/26/21) - SD General Electrical	725	03-Oct-19 A	11-Mar-22*			T 1	1 1 1	1 1	SD General Electric	1 1 1	: !		. :	
Project Administration	Cubstantial Completion (CD Completice Date 3/20/21) - CD Central Electrical	769	25-Oct-16 A	11-Mar-22			∳¦Sub 11-Ñ	stantial Com 1ar-22, Proje	aletion:(Cl at Adminis	D Compliance Date stration	.3/26/21) - SD.(General I	Electrical.		
SD35120	WASD Project Administration - SD General Electric	769	25-Oct-16 A	11-Mar-22			WA	SD Project A	ministrati	on - SD General Fl	ectric	i i		. :	
1.11 (1.1) SDWWTP S	Substations 9-12	2054	25-Oct-16 A	09-Jun-22		1 1 1		7 09-Jun-22,	1.11 (1.1	on - SD General El) SDWW TP Substa	itions 9-12				
Engineering Design	Pagin of Design Pagest (PODD). Pagings SS 0 40 44 9 40	320	15-Jun-17 A	27-Apr-18 A	27-Apr-18 A, Engineering Design										
SD44220 SD44230	Basis of Design Report (BODR) - Replace SS 9, 10, 11 & 12 BODR Review Period - Replace SS 9, 10, 11 & 12	107	15-Jun-17 A 30-Sep-17 A	29-Sep-17 A 05-Oct-17 A	s of Design Report (BODR) - Replace SS 9, 10, 11 & 12										
SD44230 SD44240	60% Design Submittal - Replace SS 9, 10, 11 & 12	34	06-Oct-17 A	08-Nov-17 A	R Review Period - Replace S\$ 9, 10, 11 & 12									. !	
SD44250	60% Design Review - Replace SS 9, 10, 11 & 12	7	09-Nov-17 A	14-Nov-17 A	% Design Submittal - Replace SS 9, 10, 11 & 12 D% Design Review - Replace SS 9, 10, 11 & 12										
SD44260	100% Design Submittal - Replace SS 9, 10, 11 & 12	48	15-Nov-17 A	03-Jan-18 A	100% Design Review - Replace SS 9, 10, 11 & 12 100% Design Submittal - Replace SS 9, 10, 11 & 12							: !		. :	- }
SD40460	Engineering Design - Replace SS 9, 10, 11 & 12	230	15-Jun-17 A	27-Apr-18 A	Engineering Design - Replace SS 9, 10, 11 & 12									. :	
SD44270	100% Design Review/Permit Ready Submittal - Replace SS 9, 10, 11 & 12	87	04-Jan-18 A	27-Apr-18 A	100% Design Review/Permit Ready Submittal - Rep	lace SS.9, 10, 11 & 12			ļļ			ļļ			
Permitting SD44900	DERM Permit - Replace SS 9, 10, 11 & 12	90	07-May-18 A 07-May-18 A	25-Sep-18 A 28-Jun-18 A											
SD43640	Permitting - Replace SS 9, 10, 11 & 12	90	07-May-18 A	25-Sep-18 A	DERM Permit - Replace SS 9, 10, 11 & 12										
SD44890	MDC Building Dept. Permit - Replace SS 9, 10, 11 & 12		07-May-18 A	25-Sep-18 A	Permitting - Replace SS 9, 10, 11 & 12	2 10 11 8 12									
Procurement			17-Aug-18 A	19-Jul-20	MDC Building Dept, Permit - Replace SS	▼ 19-Jul-20, Procurement	1	1 1	ļ <u>-</u>			1			
SD44400	Internal Bid Package Review - Replace SS 9, 10, 11 & 12	3	17-Aug-18 A	24-Aug-18 A	I Internal Bid Package Review - Replace SS €), 10, 11 & 12									
SD44410	Design Documents Sent to Procurement - Replace SS 9, 10, 11 & 12	0	- 3 -		◆ Design Documents Sent to Procurement -	teplace SS 9, 10, 11 & 12									
SD44420	Submit/Approve SBD Goals and Request to Advertise - Replace SS 9, 10, 11 & 12	60	24-Aug-18 A	16-Oct-18 A	Submit/Approve SBD Goals and Reques	st to Advertise - Replace SS 9, 10, 1	1 & 12								
SD44430 SD44440	Advertise Bid Package - Replace SS 9, 10, 11 & 12 Bid Solicitation Period - Replace SS 9, 10, 11 & 12	0 45	17-Oct-18 A	05-Dec-18 A	◆ Advertise Bid Package - Replace SS 9, 1										
SD44600	Bids Due - Replace SS 9, 10, 11 & 12	0	17 000 1070	05-Dec-18 A	Bid Solicitation Period - Replace SS									. :	
SD44450	Bid Review Period - Replace SS 9, 10, 11 & 12	38	06-Dec-18 A	28-May-19 A	♦ Bids Due - Replace SS 9, 10, 11 & 1	i i i i i								. :	
SD45460	Bids Rejected - Replace SS 9, 10, 11 & 12	0		28-May-19 A	◆ Bids Rejected - Replace \$										
SD45470	Re-Advertise Bid Package - Replace SS 9, 10, 11 & 12	0	26-Sep-19 A			Package - Replace SS 9, 10, 11 &	12								
SD45490	Bid Solicitation Period (Re-bid) - Replace SS 9, 10, 11 & 12	30	26-Sep-19 A	10-Jan-20 A	Bid Solicit	ation Period (Re-bid) - Replace SS	9, 10, 11 & 1	2							
SD45510	Bids Due (Re-bid) - Replace SS 9, 10, 11 & 12 Bid Review Period (Re-bid) - Replace SS 9, 10, 11 & 12	30	11 lon 20 A	10-Jan-20 A	l	(Re-bid) - Replace SS 9, 10, 11 & 1	1 1								
SD45480 SD44460	Award Recommendation - Replace SS 9, 10, 11 & 12	0	11-Jan-20 A	22-Jun-20 A 22-Jun-20 A		Bid Review Period (Re-bid) - Repla	1 1	1							
SD43650	Procurement - Replace SS 9, 10, 11 & 12	195	24-Aug-18 A	19-Jul-20		Award Recommendation - Replace	0.00	11 & 12						. :	
SD44470	Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace SS 9, 10, 11 & 12	37	23-Jun-20 A	19-Jul-20		 Procurement - Replace SS 9, 10 Final Approvals (BCC, Mayor, Right) 	1 1	Replace SS C	10 11 2	.12					
Construction		690	20-Jul-20	09-Jun-22		VICE PROPERTY IN THE PROPERTY	17.136(1) (4)	09-Jun-22,	Construc	tion					
SD44480	Contractor Notice to Proceed (NTP) - Replace SS 9, 10, 11 & 12	0	20-Jul-20	4		◆ Contractor Notice to Proceed (N	ΓΡ) - Replac	e SS 9, 10, 1	1 & 12						
SD43660 SD44860	Construction - Replace SS 9, 10, 11 & 12 Commissioning - Replace SS 9, 10, 11 & 12	600 30	20-Jul-20 10-Feb-22	11-Mar-22 11-Mar-22			1 1	1 1	1 1	9, 10, 11 & 12					
SD44860 SD44490	Commissioning - Replace SS 9, 10, 11 & 12 Substantial Completion (CD Compliance Date 3/26/21) - Replace SS 9, 10, 11 & 12	30	10-160-22	11-Mar-22*				1.0	1 1	SS 9, 10, 11 & 12	0/00/5:			h 4-	
SD43590	Project Closeout - Replace SS 9, 10, 11 & 12	90	12-Mar-22	09-Jun-22*			◆¦Sub		: :	D Compliance Date		ace SS	9, 10, 11	x 12	
Project Administration		1556	25-Oct-16 A	09-Jun-22				7 09-Jun-22,	Project A	eplace SS 9, 10, 11 dministration	ALW.				
SD44160	WASD Project Administration - Replace SS 9, 10, 11 & 12	1556	25-Oct-16 A	09-Jun-22	<u> </u>		F.Oct 32	WASD Pro	ject <u>A</u> dmir	nistration - Replace nerator Repairs	S\$ 9, 10, 11 &	.12			
1.11 (1.2) SDWWTP G	Generator Repairs	1827	25-Oct-16 A	25-Oct-21	▼ 14-Feb-19 A, Engheering Design		o-Oct-21, 1.	11 (1.2) SDV	vv IP Ge	nerator Repairs		ļ		, -	
Engineering Design SD40410	Engineering Design - Generator Repairs	948	25-Oct-16 A 25-Oct-16 A	14-Feb-19 A 31-Mar-17 A		"								. !	
SD44910	50% Design Submittal - Generator Repairs	90	14-May-18 A	13-Aug-18 A	gn - Generator Repairs 50% Design Submittal - Generator Repairs									. !	
SD44920	90% Design Submittal - Generator Repairs	7	14-Aug-18 A	29-Oct-18 A	50% Design Submittal - Generator Repairs 90% Design Submittal - Generator Repairs	airs								. :	
SD44980	Develop Project Specifications for Remote Radiator - Generator Repairs	120	14-May-18 A	13-Nov-18 A	Develop Project Specifications for Rem	1 1 1 1 1								. !	
SD44930	100% Design Submittal - Generator Repairs	98	30-Oct-18 A	05-Feb-19 A	100% Design Submittal - Genera									. :	- 1
SD44640	Engineering Re-Design (Technical Specs & Drawings) - Generator Repairs	365	14-May-18 A	14-Feb-19 A		al Specs & Drawings) - Generator F	epairs								
SD44940	100% Design Review/Permit Ready Submittal - Generator Repairs	15	31-Jan-19 A	14-Feb-19 A	100% Design Review/Permit Res	ady.Submittal - Generator Repairs.		ļļ	ļ			ļļ		,	
Permitting SD44950	Permitting - Generator Repairs	82 82	30-Jan-19 A 30-Jan-19 A	25-May-19 A 25-May-19 A								H		. !	
Procurement	Tommung Controlator Repails		21-Sep-18 A	23-Aug-20	Permitting - Generator Re	pairs 23-Aug-20, Procurement	÷		 			; 		·	
SD44960	Pre-Purchase Remote Radiators - Generator Repairs	48	21-Sep-18 A	06-Nov-18 A	Pre-Purchase Remote Radiators - Ger							H		. !	
	Award Purchase Order - Generator Repairs	0	· · · · · · · · · · · · · · · · · · ·	06-Nov-18 A	◆ Award Purchase Order - Generator Rec										
SD44650					▼ Awaiu ruiuiase Oluei - Gelielaloi Rel		1 1	1 1	: :	1 1 1		. !	- : :	. :	- 1
SD44650 SD44970	Fabricate and Deliver Remote Radiators (Pre-Purchase) - Generator Repairs	253	07-Nov-18 A	23-Aug-20		Fabricate and Deliver Remote	Radiators (P	re-Purchase	Genera	tor Repairs	<u> </u>		!		!
	Fabricate and Deliver Remote Radiators (Pre-Purchase) - Generator Repairs Contractor Notice to Proceed (NTP) - Generator Repairs	253 428	07-Nov-18 A 24-Aug-20 24-Aug-20	23-Aug-20 25-Oct-21		Fabricate and Deliver Remote	Radiators (P 5-Oct-21, Co	re-Purchase enstruction	- Genera	tor Repairs					

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Section Control Security C	עוו /	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1 Q2
March March Content	SD44870	Commissioning - Generator Repairs	30	28-Jul-21	26-Aug-21	
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Process	Permitting		180	16-Aug-18 A	14-Dec-18 A	14-Dec-18 A, Permitting
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SD41650 Construction Contact Chamber #4 - Structural Rehab 135 01-Nov-19A 09-Jul-20 Construction Contact Chamber #3 - Structural Rehab 135 01-Nov-19A 09-Jul-20 Construction Contact Chamber #3 - Structural Rehab SD41640 Construction Contact Chamber #3 - Structural Rehab Construction Contact Chamber #3 - Structural Rehab SD41640 Construction Contact Chamber #2 - Structural Rehab Construction Contact Chamber #3 - Structural Rehab Construction Contact Chamber #4 - Structural					-	Construction Contact Chamber #1 - Structural Rehab
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Interring Design - LD Misc. Elect. Improvements			1335	11-Jun-14 A	02-May-19 A	02-May-19A, Engineeing Design
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	ree Schedule - June 2020 Update				Baseline (By Phase) 15-Jul-20 14:51 - Page No. 11 of
[,] ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 202 Q1 Q2 Q3 Q4 Q1
Permitting		925	18-Dec-15 A	30-Nov-19 A	41 02 03 04 04 01 02 03 04 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 04 04 04 04 04 04 04 04 04 04 04 04
CD82350	EPA Start Date for Permitting - CD Misc. Elect. Improvements	0	21-Jun-17 A		Date for Permitting - CD Misc. Elect. Improvements
CD42430	EPA Compliance Date for Permitting - CD Misc. Elect. Improvements	0		20-Jun-18 A	EPA;Compliance; Date for Permitting - CD;Misc. Elect.;Improvements
CD10330	Permitting - CD Misc. Elect. Improvements	704	18-Dec-15 A	30-Nov-19 A	Permitting - CD Misc. Elect. Improvements
Procurement		1437	24-Jul-15 A	10-May-20 A	10-Maý-20 A, Procurement
CD82360	EPA Start Date for Procurement - CD Misc. Elect. Improvements	0	21-Jun-18 A	20 Jun 40 A	◆ EPA Start Date for Procurement - CD Misc. Elect. Improvements
CD42440 CD10560	EPA Compliance Date for Procurement - CD Misc. Elect. Improvements Procurement - CD Misc. Elect. Improvements	1197	24-Jul-15 A	20-Jun-19 A 10-May-20 A	■ EPA Compliance Date or Procurement - CD Misc. Elect. Improvements
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CD82370	EPA Start Date for Construction - CD Misc. Elect. Improvements	0	21-Jun-19 A	14 0011 21	
CD10810	Construction - CD Misc. Elect. Improvements	1261	29-Jan-16 A	14-Jun-21	◆ EPA/Start Date for Construction - CD Misc. Elect. Improvements Construction - CD Misc. Elect. Improvements
CD10960	Substantial Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements	0		14-Jun-21*	◆ Substantial Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements
CD42450	EPA Compliance Date for Construction - CD Misc. Elect. Improvements	0		14-Jun-21*	
Project Administration		1618	01-Oct-15 A	16-Nov-21	◆ EPA Compliance Date for Construction - CD Miss. Elect. Improvements ▼ 16-Now21, Project Administration
CD33930	WASD Project Administration - CD Misc. Elect. Improvements	1618	01-Oct-15 A	16-Nov-21	. WASD Project Administration - CD Misc. Elect. Improvements
.01 (1) Substations 1		286	24-Jul-15 A	05-May-16 A	23 Son 40 A 2 A1 (2) Substitions 3 4 A 4 R 5% 6 (Project 2 27(2))
. ,	3, 4A, 4B, 5 & 6 (Project 2.27(2))	1631	13-Apr-15 A	23-Sep-19 A	23-Sep-19 A, 2.01 (2) Substations 3, 4A, 4B, 58, 6 (Project 2.27(2)) Child Project Deleted (Scope considered under CD 2.27, (2)) O4-Nov20, 2.01 (3) Substations 9 & 10 (Project 2.10(1))
``	9 & 10 (Project 2.10(1))	1595	11-Mar-16 A	04-Nov-20 01-Feb-17 A	ering Design
Engineering Design CD40850	Engineering Design Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	327 328	11-Mar-16 A 11-Mar-16 A	01-Feb-17 A	1
Permitting	3	476	18-Jul-16 A	22-May-18 A	Substations 9 & 10 (2.10) - CD Misc. Elect Improvements 22-Maly-18 A, Permitting
CD40930	Permitting Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	476	18-Jul-16 A	22-May-18 A	Permitting Substations 9 & 10 (2 10) - CD Misc. Flect Improvements:
Procurement		270	27-Nov-17 A	29-Nov-18 A	Permitting Substations 9:& 10. (2.10) - CD.Misc. Elect.Improvements: 29-Noi-18 A; Procurement
CD41010	Procurement Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	270	27-Nov-17 A	29-Nov-18 A	Procutement Substations 9 & 10 (2.10) - CD Misc. Elect Improvements 04-Nov-20, Construction
Construction	Occasional to October 20 0 40 (0 40) CONT. Fl. 11	570	06-Dec-18 A	04-Nov-20	V4-Nov-20, Construction
CD40760	Construction Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	570	06-Dec-18 A	04-Nov-20	. Construction Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements.
Project Administration CD85050	WASD Project Administration - 9 & 10 (2.10) - CD Misc. Elect.Improvements	1226 1226	11-Mar-16 A 11-Mar-16 A	04-Nov-20 04-Nov-20	1
	11 & 12 (Project 2.11)	1547	24-Aug-16 A	05-Dec-20	WASD Project Administration - 9, & 10 (2.10); - CD Misc. Elect Improvements ▼ 05-Dec-20, 2.01 (4) Substations 11 & 12 (Project 2.11);
ingineering Design		296		16-Jun-17 A	, Engineering Design
CD40860	Engineering Design Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	297	24-Aug-16 A	16-Jun-17 A	Design Substations 11 & 12 (2.11) - CD Misc Fled Improvements
Permitting		152	22-Jun-17 A	27-Feb-18 A	Design Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements 77-Feb-18 A, Permitting
CD40940	Permitting Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	152	22-Jun-17 A	27-Feb-18 A	Permitting Substations 11 & 12 (2.11) - CD Misc. Elect. Improvements 04-Aug-19 A. Proculement
Procurement	D 40 1 4 5 44 0 40 (0 44) ODAY	236	07-Mar-18 A	04-Aug-19 A	V4-Aug-19 A Proculement
CD41020	Procurement Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	236	07-Mar-18 A	04-Aug-19 A 05-Dec-20	Procurement Substations 11. & 12. (2.11) CD Misc. Elect Improvements 05-Dec-20, Construction
Construction CD40740	Construction Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	440	05-Aug-19 A 05-Aug-19 A	05-Dec-20	1 : : : : : : : : : : : : : : : : : : :
Project Administration		1051	24-Aug-16 A	05-Dec-20	Construction Substations 11 & 12 (2(11)) - CD Misc. Elect Improvements.
CD85060	WASD Project Administration - 11 & 12 (2.11) - CD Misc. Elect.Improvements	1051	24-Aug-16 A	05-Dec-20	WASD Project Administration - 11 & 12 (2 11) - CD Msc Fledt Improvements
.01 (5) Substations 1	15 & 16 (Project 2.15(1))	1413	11-Jun-14 A	18-Aug-20	WASD Project Administration ; 11 & 12 (2.11) - CD Msc. Ele dt. Imprévements. ▼ 18-Aug-20, 2.01 (5) Substations 15 & 16 (Project 2.15(t))
Engineering Design		475	11-Jun-14 A	29-Sep-15 A	4
CD40880	Engineering Design Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	476	11-Jun-14 A	29-Sep-15 A	Alsc. Elect Improvements
Permitting CD40960	Permitting Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	329 330	30-Sep-15 A 30-Sep-15 A	24-Aug-16 A 24-Aug-16 A	4
Procurement	Permitting Substations 13 & 10 (2.13) * OD IVIISC. LIECK.IMPROVEMENTS	198	15-Apr-16 A	30-Oct-16 A	(2.15)CD/Misc. Elect.l/mprovements
CD41040	Procurement Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	199	15-Apr-16 A	30-Oct-16 A	F. 9.46 (2.45) CD Mire Flord Impropriate
Construction		540	31-Oct-16 A	18-Aug-20	5 & 16 (2.15) - CD Misc: Elect\Impro\eme\text{eme\text{\text{impro\eme\text{eme\text{\text{\text{insc:}}}}}} 18-Aug-20, Construction
CD40750	Construction - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	540	31-Oct-16 A	18-Aug-20	Construction - Substations 15.8.16.(2.15) - CD Misc. Elect. Improvements.
Project Administration		1413	11-Jun-14 A	18-Aug-20	18-Aug-20, Project;Administration
CD85070	WASD Project Administration - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	1413	11-Jun-14 A	18-Aug-20	WASD Project Administration - Substations 15 & 16 (2.15) - CD Misc. Elect Improvements O4-Oct-19 A, 2.11 (6) Substations 17 & 18 (Project 2.19(2)a)
` '	17 & 18 (Project 2.19(2)a)	1437	04-Jun-15 A	04-Oct-19 A	04-00-19A, 2. V1 (6) \$ubstations 77 & 16 (Piqed 2.19(2)a) 7 16-Nov21, 2:01 (7) Substations 7A, 8A, 9A, & 10A
.01 (7) Substations 7	7A, 8A, 9A, & 10A	4120	17-Oct-16 A 17-Oct-16 A	16-Nov-21	▼ 17-Sep-18;A, Pre-Design
Pre-Design CD85410	Pre-Design (TM) - Substations 7A, 8A, 9A, & 10A	229 97	17-Oct-16 A	17-Sep-18 A 09-Aug-17 A	-
CD85420	Pre-Design (Remaining Scope of Work) - Substations 7A, 8A, 9A, & 10A	150	23-Dec-17 A	17-Sep-18 A	gn (TM) - Substations 7A, 8A, 9A, & 10A Pro Design (Remaining Second of Work), Substations 7A, 8A, 9A, & 10A
ingineering Design		632	09-Aug-17 A	02-May-19 A	Pre-Design (Remaining Scope of Work) - Substations 7A, 8A, 9A, & 10A
CD85430	Draft Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	97	09-Aug-17 A	27-Nov-17 A	Draft Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A
CD85440	Final Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	30	28-Nov-17 A	22-Dec-17 A	Final Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A
CD85830	Basis of Design Report (BODR) - Substations 7A, 8A, 9A, & 10A	45	19-Sep-18 A	19-Nov-18 A	Basis of Design Report (BODR) - Substations 7A, 8A, 9A, & 10A
CD85840	Review/Revise BODR - Substations 7A, 8A, 9A, & 10A	18		07-Dec-18 A	Review/Revise BODR - Substations 7A, 8A, 9A, & 10A
CD85450	60% Design Submittal - Substations 7A, 8A, 9A, & 10A	52	08-Dec-18 A	28-Jan-19 A	60% Design Submittal - Substations 7A, 8A, 9A, & 10A
CD85460	60% Design Review - Substations 7A, 8A, 9A, & 10A	15	29-Jan-19 A	22-Feb-19 A	■ 60% Design Review - Substations 7A, 8A, 9A, & 10A
CD85470	100% Design Submittal - Substations 7A, 8A, 9A, & 10A	33	25-Feb-19 A	12-Mar-19 A	■ 100% Design Submittal - Substations 7A, 8A, 9Å, & 10A
CD40840	Engineering Design - Substations 7A, 8A, 9A, & 10A	180	09-Aug-17 A	02-May-19 A	Engineering Design - Substations 7A, 8A, 9A, & 10A
CD85480	100% Design Review/Permit Ready Submittal - Substations 7A, 8A, 9A, & 10A	21	13-Mar-19 A	02-May-19 A	100% Design Review/Permit Ready Submittall - Substations 7A, 8A, 9A, & 10A
ermitting CD40920	Permitting - Substations 7A, 8A, 9A, & 10A	180 180	18-Apr-19 A 18-Apr-19 A	30-Nov-19 A 30-Nov-19 A	1
rocurement	. S	239	· · · · · · · · · · · · · · · · · · ·	10-May-20 A	Permitting - Substations 7A, 8A, 9A, & 10A
CD85590	Design Documents to Procurement - Substations 7A, 8A, 9A, & 10A	0	23-Aug-19 A 23-Aug-19 A	10-1VIQY-2014	1
CD85610	Advertise Bid Package - Substations 7A, 8A, 9A, & 10A	0			Design Documents to Procurement - Substations 7A, 8A, 9A, & 10A Adopting Pid Participal 7A, 8A, 9A, 8A, 10A
CD85600	Submit/Approve SBD Goals and Request to Advertise - Substations 7A, 8A, 9A, & 10A	34	•	17-Sep-19 A	◆ Advertise Biid Padkage + Substations 7A, 8A, 9A, & 10A Submit/Approve SRD Goals and Paguagetto Advanting - Substations 7A, 8A, 9A, & 10A
CD85620	Bid Solicitation Period - Substations 7A, 8A, 9A, & 10A	60	13-Sep-19 A	19-Nov-19 A	Submit/Approve SBD Goals and Request to Advertise - Substations 7A, 8A, 9A, & 10A Bid Solicitation Period - Substations 7A, 8A, 9A, & 10A
CD85630	Bids Due - Substations 7A, 8A, 9A, & 10A	0	•		Bid Solicitation Period - Substations 7A, 8A, 9A, & 10A ◆ Bids Due - Substations 7A, 8A,9A, & 10A
CD85640	Bid Review Period - Substations 7A, 8A, 9A, & 10A	26	20-Nov-19 A	24-Feb-20 A	Bid Review Period - Substation's 7A, 8A, 9A, & 10A
CD85650	Award Recommendation - Substations 7A, 8A, 9A, & 10A	0		24-Feb-20 A	♦ Award Recommendation - Substations 7A, 8A, 9A, & 10A
CD41000	Procurement - Substations 7A, 8A, 9A, & 10A	220	23-Aug-19 A	10-May-20 A	Procurement : Substations 7A, 8A, 9A, & 10A

WASD Consent Deci	ree Schedule - June 2020 Update		Stand	lard Layout w E	Baseline (By Phase) 15-Jul-20 14:51 - Page No. 12 of 43
tivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1
CD85660	Final Approvals (BCC, Mayor, Risk Mgmt.) - Substations 7A, 8A, 9A, & 10A	49	25-Feb-20 A	10-May-20 A	
Construction		524	11-May-20 A	16-Nov-21	Final Approvals (BCC, Mayor, Risk Mgmt.) - Substations 7A, 8A, 9A, & 10A 16-Nov-21, Construction
CD85670	Contractor Notice to Proceed (NTP) - Substations 7A, 8A, 9A, & 10A	0			◆ Contractor Notice to Proceed (NTP) - Substations 7A, 8A, 9A, & 10A
CD40720	Construction Milestone #1 (Consent Decree) - Substations 7A, 8A, 9A, & 10A	400		14-Jun-21	Construction Milestone #1 (Consent Decree) - Substations 7A, 8A, 9A, & 10A
CD86200	Commissioning - Substations 7A, 8A, 9A, & 10A	30	16-May-21	14-Jun-21	☐ Commissioning - Substations:7A, 8A, 9A, & 10A
CD85580	Substantial Completion (CD Compliance Date 6/14/21) - Substations 7A, 8A, 9A, & 10A	0	45 1 04	14-Jun-21*	◆ Substantial Completion (CD Compliance Date 6/14/21) - Substations 7A, 8A, 9A, & 10A
CD87210	Construction Milestone #2 (non-Consent Decree) - Substations 7A, 8A, 9A, & 10A	90	15-Jun-21	12-Sep-21	Construction Milestone #2 (non-Consent Decree) - Substations 7A, 8A, 9A, & 10A
CD40000 Project Administration	Project Closeout - Substations 7A, 8A, 9A, & 10A	65 850	13-Sep-21 09-Aug-17 A	16-Nov-21* 14-Jun-21	Project Closeout - Substations 7A, 8A, 9A, & 10A 14-Jun-21, Project Administration
CD85090	WASD Project Administration - Substations 7A, 8A, 9A, & 10A	850	09-Aug-17 A	14-Jun-21	1 : : : : : : : : :
2.02 Building Improv		2208	26-Mar-14 A	15-Aug-20	WASD Project Administration - Substations 7A, 8A, 9A, & 10A ▼ (5-Aug-20, 2,02 Building Improvements
Engineering Design		771	26-Mar-14 A	05-May-16 A	
Permitting		684	13-Oct-14 A	27-Aug-16 A	ns: - itting - CD Repairs to Various Buildings
Procurement		973	03-Jun-14 A	31-Jan-17 A	Iment with Politicipary of CD Popular to Various Ruildings
Construction		1933	16-Oct-14 A	17-Jan-20 A	17-Jan-20 A, Construction Postulation and Interpretation from Planta Paragraphia and Paragraph
	Improvements - Admin Asbestos Abatement	432	26-Mar-14 A	01-Jun-15 A	
2.02 (1)b CD Adminis 2.02 (1)c CD Misc. Ro	stration Building Interior Im provements	1453 627	26-Mar-14 A 31-Jan-15 A	15-Nov-18 A 19-Oct-16 A	7 15-Nov-18A, 202 (1)b CD Administration Building Interior Improvements ***********************************
	hrooms, Locker Rooms & Showers	1940	19-Dec-14 A	15-Aug-20	15-Aug-20, 2:02 (2) Remodel Bathrodms, Locker Rooms & Showers
Pre-Design	inionis, Locker Rooms & Showers	176	19-Dec-14 A	13-Jun-15 A	
Engineering Design		1133	14-Jun-15 A	26-Jul-18 A	26-Jul-18A, Engineering Design
Permitting		997	05-May-16 A	12-Apr-19 A	12-Apr-19 A, Permitting
Procurement		1116		14-Apr-19 A	14:Apr-19 A, Procurement provements.
Construction	Contractor Notice to Proceed (NTD) - CD Miss Building Improvements	1179	18-Jan-17 A	15-Aug-20	▼ 15-Aug-20, Construction
CD30420 CD11132	Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements Construction - CD Misc. Building Improvements	337	18-Jan-17 A 18-Jan-17 A	31-Oct-17 A	roceed (NTP) - CD Misc. Building Improvements
CD11132 CD85940	Construction Activities Stopped - CD Misc. Building Improvements	0	10 Jan-17 A	31-Oct-17 A	Construction - CD Misd. Building Improvements
CD87190	Milestone #1 Substantial Completion Bldg #2- CD Misc. Building Improvements	0		10-Jan-20 A	nstruction Activities Stopped - OD Misc. Building Improvements Milestone #1 Substantial Completion Blig #2-CD Misc. Building Improvements
CD85920	Construction - CD Misc. Building Improvements	180	15-Apr-19 A	17-Jan-20 A	Construction - CD Misc. Building Improvements
CD11142	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements	0		17-Jan-20 A	
CD40020	Project Closeout - CD Misc. Building Improvements	60	18-Jan-20 A	15-Aug-20*	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements
Project Administration	•	981	14-Jun-15 A	15-Aug-20	Project Closeout - CD Misc. Building Improvements. 15-Aug-20, Project Administration
CD33950	WASD Project Administration - CD Misc. Building Improvements	981	14-Jun-15 A	15-Aug-20	WASD Project Administration - CD Misc. Building Improvements.
2.03 Headworks/Gri	it Basin Plant 1	1918	05-Jun-14 A	11-Sep-20	11-Sep-20, 2.03 Headworks/Grit Basin Plant 1
Pre-Design		122	05-Jun-14 A	05-Oct-14 A	
Engineering Design		514	01-Sep-14 A	28-Jan-16 A	CD Headworks/Grit Basin Plant 1:**
Permitting		732 659	04-Aug-14 A 21-Aug-15 A	05-Aug-16 A 09-Jun-17 A	CD-Headworks/Grit Başin Plant 1**.
Procurement Construction		1357	18-Dec-15 A	11-Sep-20	11-Sep-20, Construction
CD40300	Install Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 1	147	18-Dec-15 A	12-May-16 A	lipe - CD Headworks/Grit Basin Plant 1
CD10458	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 1	0	30-Aug-16 A		ITP) - CD Headworks/Grit Basin Plant 1
CD82450	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 1	0	17-Oct-16 A		tion - CD Headworks/Grit Basin Plant 1
CD40790	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 1	410	30-Aug-16 A	07-Mar-19 A	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 1
CD10460	Construction - CD Headworks/Grit Basin Plant 1	410	30-Aug-16 A	07-Mar-19 A	Construction - CD Headworks Grit Basin Plant 1
CD86220	Commissioning - CD Headworks/Grit Basin Plant 1	45	12-Dec-18 A	07-Mar-19 A	Commissioning - CD Headworks/Grit Basin Plant 1
CD10920	Substantial Completion (CD Compliance Date 3/16/19) - CD Headworks/Grit Basin Plant 1	0		07-Mar-19 A	◆ Substantial Completion (CD Compliance Date 3/16/19) - CD Headworks/Grit Basin Plant 1
CD81840	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 1	0		16-Mar-19 A	◆ EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 1
CD40030	Project Closeout - CD Headworks/Grit Basin Plant 1	150	08-Mar-19 A	11-Sep-20	Project Closeout - CD Headworks/Gift Basin Plant 1 11-Sep-20, Project Administration
Project Administration CD33960	WASD Project Administration - CD Headworks/Grit Basin Plant 1	1145 1145	24-Nov-14 A 24-Nov-14 A	11-Sep-20 11-Sep-20	1 : : : : : : : : : : : : : : : : : : :
2.04 Headworks/Gri	·	2078	05-Jun-14 A	11-Sep-20	WASD Project Administration - CD Headworks/Grit Basin Plant 1. ▼ 11-Sep-20, 2.04 Headworks/Grit Basin Plant 2
Pre-Design	it Dasiii Fidiit 2	122		05-Oct-14 A	
Engineering Design		536	01-Sep-14 A	19-Feb-16 A	n - CD Heaptworks/Grit Basin Plant 2
Permitting		520	· · · · · · · · · · · · · · · · · · ·	05-Aug-16 A	n - CD Haadworks/Grit Basin Plant 2** 17 A Procurement
Procurement		792	17-Jun-15 A	16-Aug-17 A	Proceedings and the process of the p
Construction	Installation of Manhala and Cloop out of CAll Dine. CD Line decade /Cd Desir District	1527	08-Dec-15 A	11-Sep-20	▼: 11-Sep-20, Construction
CD40310 CD10448	Installation of Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 2 Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 2	156	08-Dec-15 A	11-May-16 A	of 84" Pipe - CD Headworks/Grit Basin Plant 2
CD10448 CD82490	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 2	0	30-Aug-16 A 03-Mar-17 A		ITP) -CD Headworks/Grit Basin Plarit 2
CD82490 CD10450	Construction - CD Headworks/Grit Basin Plant 2	560	08-Dec-15 A	13-Aug-19 A	Construction - CD; Headworks/Grit Basin Plant 2
CD10430 CD40800	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2	560		13-Aug-19 A	Construction - CD Headworks/Grit Basin Plant 2
CD40000 CD86230	Commissioning - CD Headworks/Grit Basin Plant 2	127	29-Apr-19 A	13-Aug-19 A	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2
CD10750	Substantial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2	0	1 1411	13-Aug-19 A	Commissioning - CD Headworks/Grit Basin Plant 2
CD81880	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2	0		23-Aug-19 A	◆ Substahtial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2 ◆ EDA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2/
CD40040	Project Closeout - CD Headworks/Grit Basin Plant 2	150	14-Aug-19 A	11-Sep-20	◆ EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2
Project Administration		1295	24-Nov-14 A	11-Sep-20	Project Closeout - CD Headworks/Grit Basin Plant 2
CD33970	WASD Project Administration - CD Headworks/Grit Basin Plant 2	1295	24-Nov-14 A	11-Sep-20	WASD Project Administration - CD Headworks/Grit Basin Plaht 2
2.05 Oxygenation Tr	rains Plant 1	2982	01-Mar-11 A	12-Apr-19 A	WASD Project Administration - CD Headworks/Grit Basin Plant 2 V12/Apr-19/A, 2.05 Oxygenation Trains Plant 1 Soestarteiab/Ceroparationare and Congression (Congression Congression Congre
2.06 Oxygenation Tr	rains Plant 2	4063	01-Mar-11 A	14-Apr-22	▼ 14;Apr-22, 2.06 Oxygenation Trains Plant 2
Pre-Design		230	05-Jul-16 A	20-Feb-17 A	esign.
CD81270	Pre-Design - CD Oxygenation Trains Plant 2	231	05-Jul-16 A	20-Feb-17 A	genation Trains Plant 2.
Engineering Design	Facility of the Profess CD Comment of T 1 20 4 4 2	2356	01-Mar-11 A	12-Aug-17 A	1
CD10610	Engineering Design - CD Oxygenation Trains Plant 2	63		02-May-11 A	enation Trains Plant 2
CD82500	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 2	0	01-Jun-16 A	02 00 40 4	n - CD Ow genation Trains Plant 2
CD80510	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 2**	0	24 Fab 47 *	02-Sep-16 A	neering Design - CD Ox/genation Trains Plant 2**
CD81280	Engineering Design (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	173	21-Feb-17 A	12-Aug-17 A	ering Design (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2



	edule - June 2020 Update	1			aseline (By Phase) 15-Jul-20 14:51 - Page No. 14 of
ID Activity	Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2 Q1 Q2 Q3 Q4 Q1
CD11528 Contrac	ctor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1	0	08-Oct-21		◆ Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1
CD84290 Constru	uction Clarifiers - CD Secondary Clarifiers Plant 1	1296	08-Oct-21	25-Apr-25	Construction Clarifie
CD86240 Commis	issioning - CD Secondary Clarifiers Plant 1	45	12-Mar-25	25-Apr-25	Cómmissioning - Cl
	antial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	0		25-Apr-25*	◆ Substantial Comple
	t Closeout - CD Secondary Clarifiers Plant 1	90	26-Apr-25	24-Jul-25*	Project Closed 24-Jul-25, Pro
Project Administration	Drainet Administration CD Secondary Christian Plant 1	1986	31-Jul-18 A	24-Jul-25	
	Project Administration - CD Secondary Clarifiers Plant 1	1986	31-Jul-18 A 11-Jul-15 A	24-Jul-25	WASD Projec ▼ 16-Apr-25, 2.07 (2) 3
2.07 (2) Secondary Clarifiers Pla Construction	ant 1 Tank Mechanisms	2358 2358	11-Jul-15 A	16-Apr-25 16-Apr-25	▼ 16-Apr-25, Construc
	uction Tank 2 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms	123	11-Jul-15 A	01-Sep-15 A	Clarifiers Tank Mechanisms
CD83560 Constru	uction Tank 5 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms	124	07-Dec-17 A	15-Feb-18 A	Construction Tank 5 (WASD h-House) - CD Secondary Clarifiers Tank Mechanisms
CD85790 Constru	uction Tank 6 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms	124	20-Feb-18 A	27-Apr-18 A	Construction Tank 6 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms
CD83540 Constru	uction Tank 3 - CD Secondary Clarifiers Tank Mechanisms	210	24-Nov-23	20-Jun-24	Construction Tank 3 - CD Secondary Cl
CD83550 Constru	uction Tank 4 - CD Secondary Clarifiers Tank Mechanisms	210	24-Nov-23	20-Jun-24	Construction Tank 4 - CD Secondary Cl
	uction Tanks - CD Secondary Clarifiers Tank Mechanisms	0	11-Jul-15 A	16-Jan-25	Construction Tanks - CD
	Tank 5 - CD Secondary Clarifiers Tank Mechanisms	210	21-Jun-24	16-Jan-25	Cléan Tahk 5 - CD Secon
	antial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Tank Mechanisms	0		16-Jan-25*	◆ Substantial Completion (
	t Closeout - CD Secondary Clarifiers Tank Mechanisms	90	17-Jan-25	16-Apr-25*	Project Closeout - 16-Apr-25, Project
Project Administration CD85130 WASD	Project Administration - CD Secondary Clarifiers Tank Mechanisms	510 510	24-Nov-23 24-Nov-23	16-Apr-25 16-Apr-25	
.07 (3) Secondary Clarifiers Pla		2729	15-Jul-15 A	01-Jan-25	
Pre-Design	S. asala in tollar	148	14-Jul-17 A	11-Apr-18 A	11-Apr-18 A, Pre-Design
	sign Tanks 1-6 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	11-Apr-18 A	Pre-Design Tanks 1-6 - CD Secondary Clarifiers Structural Rehab
Engineering De sign		120	12-Apr-18 A	28-Aug-18 A	Pre-Design Tanks 1-6:- CD Secondary Clarifiers Structural Rehab 28-Aug-18 A Engineering Design
CD84330 Engine	eering Design Tanks 16 - CD Secondary Clarifiers Plant 1 Structural Rehab	120	12-Apr-18 A	28-Aug-18 A	Engineering Design Tanks 16 - CD Secondary Clarifiers Plant 1. Structural Rehalb
rocurement	T 1000000111	2266	17-Jul-15 A	20-Jun-24	▼ 20-Jún-24, Procurement
	ement Tank 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	17-Jul-15 A	06-Oct-15 A	y Clariffiers Structural Rehab
	ement Tank 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab ement Tank 3 - CD Secondary Clarifiers Structural Rehab	90	26-Feb-18 A	10-Apr-18 A 23-Nov-23	Procurement Tank 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab
	ement Tank 4 - CD Secondary Clarifiers Structural Rehab	90	02-Nov-18 A 18-Apr-23	23-Nov-23*	Procurement Tank'3 - CD Secondary Clarifiers Struct
	ement - CD Secondary Clarifiers Plant 1 Structural Rehab	444	17-Jul-15 A	20-Jun-24	Procurement Tank/4 - CD Secondary/Clarifiers Struc
	ement Tank 5 - CD Secondary Clarifiers Structural Rehab	210	24-Nov-23	20-Jun-24*	Procurement - QD Secondary Clarifier
onstruction	Sillon land of the control of the co	2371	15-Jul-15 A	01-Jan-25	Procurement Tank 5 - CD Secondary 0
	uction Tank 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	120	15-Jul-15 A	02-Oct-15 A	Clarifiers Structural Rehab
CD85780 Constru	uction Tank 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	60	26-Feb-18 A	17-Apr-18 A	Construction Tank 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab
CD83660 Constru	uction Tank 3 - CD Secondary Clarifiers Structural Rehab	135	24-Dec-23	06-May-24	Construction Tank 3' - CD Secondary Clari
CD86980 Constru	uction Tank 4 - CD Secondary Clarifiers Structural Rehab	135	24-Dec-23	06-May-24	Construction Tank 4'- CD Secondary Clari
CD84350 Constru	uction - CD Secondary Clarifiers Plant 1 Structural Rehab	444	15-Jul-15 A	02-Dec-24	Construction - CD Secondar
	uction Tank 5 - CD Secondary Clarifiers Structural Rehab	135	21-Jul-24	02-Dec-24	Construction Tank 5 - CD S
	antial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Structural Rehab	0		02-Dec-24*	◆ Substantial Completion (CD
	t Closeout - CD Secondary Clarifiers Structural Rehab	30	03-Dec-24	01-Jan-25*	☐ Project Closeout - CD Set
roject Administration CD85140 WASD	Project Administration - CD Secondary Clarifiers Structural Rehab	738 738	12-Apr-18 A 12-Apr-18 A	01-Jan-25 01-Jan-25	
	•	3428	15-Api-16 A 15-Jul-15 A	01-Jan-25 01-Dec-24	WASD Project Administra ▼ 01-Dec-24, 2.08 Secondar
8 Secondary Clarifiers Plangineering Design	ant 2	2056	16-Mar-16 A	31-Oct-21	▼ 31-Oct-21, Engineering Design
	tart Date for Engineering Design - CD Secondary Clarifiers Plant 2	0	01-Jun-16 A	31-00-21	
	eering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A	n - CD Secondary Clarifiers Plant 2 Engineering Design - CD Secondary Clarifiers Plant 2
	ompliance Date for Engineering Design - CD Secondary Clarifiers Plant 2	0		31-Oct-21*	◆ .EPA.Compliance. Date for Engineering Design - CD/Secondary, Clarifiers Plant 2
ermitting		521	28-Jul-16 A	22-May-18 A	22-May-18 A, Pemitting
CD82590 EPA Sta	tart Date for Permitting - CD Secondary Clarifiers Plant 2	0	06-Dec-16 A		tting + CD Secondary Clarifiers Plant 2
CD80660 EPA Co	ompliance Date for Permitting - CD Secondary Clarifiers Plant 2	0		05-Dec-17 A	EPA Compliance Date for Permitting - CD Secondary Clarifie's Plant 2
CD10790 Permitti	ting - CD Secondary Clarifiers Plant 2	466	28-Jul-16 A	22-May-18 A	Permitting - CD Secondary Clariffiers Plant 2
rocurement	test Data for Decomposate OD Occasionary Objections Direct O	1440	27-Nov-17 A	29-Oct-22	▼ 29-Oct-22, Procurement
	tart Date for Procurement - CD Secondary Clarifiers Plant 2	0	06-Dec-17 A	05 Doo 40 A	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 2
	ompliance Date for Procurement - CD Secondary Clarifiers Plant 2 ement - CD Secondary Clarifiers Plant 2	1440	27-Nov-17 A	05-Dec-18 A 29-Oct-22	◆ EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 2
Instruction	onone to boundary daminor rank 2	2163	21-Nov-18 A	01-Dec-24	Procurement - CD Secondary Clarifiers Plant 2 ▼ :01-Dec-24, Construction;
	tart Date for Construction - CD Secondary Clarifiers Plant 2	0	06-Dec-18 A	J1 200 24	
	uction - CD Secondary Clarifiers Plant 2	1740		11-Sep-23	◆ EPA Start Date for Construction - CD Secondary Clarifiers Plant 2 Construction - CD Secondary Clarifiers Plant 2
	antial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		11-Sep-23*	♦: Substantial: Completion:(CD Compliance Date 12/01/24)
CD80850 EPA Co	ompliance Date for Construction - CD Secondary Clarifiers Plant 2	0		01-Dec-24*	→ Substantial, Completion (Co-Compliance Date 1201724) → EPA Compliance Date for 0 ▼ 09-Nov23, Project Administration
oject Administration		2705	16-Mar-16 A	09-Nov-23	
	Project Administration - CD Secondary Clarifiers Plant 2	2705	16-Mar-16 A	09-Nov-23	WASD Project Administration - CD Secondary Clarifie ✓ 09-Nov23, 2.08 (1) Secondary Clarifiers Plant 2
8 (1) Secondary Clarifiers Pla	ant 2	3040	15-Jul-15 A	09-Nov-23	▼ 09-Nov-23, 2.08 (1) Secondary Clarifiers Plant 2
e-Design	usian CD Secondary Claifforn Plant 2	244	15-Jul-15 A	15-Mar-16 A	
	sign -CD Secondary Clarifiers Plant 2	245	15-Jul-15 A	15-Mar-16 A	2 ering Design
ngineering Design CD20830 Draft Ba	lasis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	322 94	16-Mar-16 A 16-Mar-16 A	01-Feb-17 A 17-Jun-16 A	
	Review Period - CD Secondary Clarifiers Plant 2	7	18-Jun-16 A	24-Jun-16 A	- CD Secondary Clarifiers Plant 2
	lasis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	13	25-Jun-16 A	07-Jul-16 A	ry Clarifiers Plant 2
	lesign Submittal - CD Secondary Clarifiers Plant 2	50	08-Jul-16 A	26-Aug-16 A	R) - CD Secondary Clariffiers Plant 2
	lesign Review - CD Secondary Clarifiers Plant 2		27-Aug-16 A	02-Sep-16 A	ondary Clarifiers Plant 2
	lesign Submittal - CD Secondary Clarifiers Plant 2	42	03-Sep-16 A	14-Oct-16 A	ndary/Clarifiers Plant 2
	lesign Review - CD Secondary Clarifiers Plant 2	5		19-Oct-16 A	Secondary Clarifiers Plant 2
127050	Design Submittal - CD Secondary Clarifiers Plant 2		20-Oct-16 A	22-Dec-16 A	condary Clárifiers:Plant 2 - CD Secondary Clárifiers Plant 2

	cree Schedule - June 2020 Update	1			Baseline (By Phase) 15-Jul-20 14:51 - Page No. 15 of
tivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 202 Q1 Q2 Q3 Q4 Q1
CD84360	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A	CD Secondary Clarifiers Plant 2
CD40350	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 2	41	23-Dec-16 A	01-Feb-17 A	/Pernit Ready Submittal - CD Secondary Clarifiers Plant 2
Permitting		466	28-Jul-16 A	22-May-18 A	22-May-18 A, Permitting
CD80140	FDEP Permit- CD Secondary Clarifiers Plant 2	181	28-Jul-16 A	24-Jan-17 A	pondary Clairifiers Plant 2
CD80150	RER Permit - CD Secondary Clarifiers Plant 2	97	03-Feb-17 A	10-May-17 A	CD Secondary Clarifiers Plant 2
CD84370	Permitting - CD Secondary Clarifiers Plant Charl Missi Possit - CD Secondary Clarifiers Plant - Communication	466	28-Jul-16 A	22-May-18 A	Permitting - CD Secondary Clariffiers Plant
CD80160	City of Miami Permit - CD Secondary Clarifiers Plant 2	180	10-May-17 A 03-Feb-17 A	22-May-18 A 29-Nov-18 A	City of Miami Permit - CD Secondary Clarifiers Plant 2.
Procurement CD84130	GMOU submittal and approval - CD Secondary Clarifiers Plant 2	692	03-Feb-17 A 03-Feb-17 A	23-Feb-17 A	
CD84010	Internal Bid Package Review - CD Secondary Clarifiers Plant 2	3	13-Nov-17 A	26-Nov-17 A	d approval - CD Secondary Clarifiers Plant 2
CD31280	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 2	0	27-Nov-17 A		hternal Bid Package Review - CD Secondary Clarifiers Plant 2
CD31290	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 2	60	22-Jan-18 A	11-Apr-18 A	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 2 Submit/Approve SBD Goals; and Request to Advertise - CD Secondary Clarifiers Plant 2
CD31300	Advertise Bid Package - CD Secondary Clarifiers Plant 2	0	12-Apr-18 A		Submit/Approve SBD Goals; and Request to Apventse - CD Secondary Clarifiers Plant 2 Advertise Bid Package - CD Secondary Clarifiers Plant 2
CD31310	Bid Solicitation Period - CD Secondary Clarifiers Plant 2	45	12-Apr-18 A	04-Jun-18 A	Bid Solicitation Period - CD Secondary Clarifiers Plant 2
CD31320	Bids Due - CD Secondary Clarifiers Plant 2	0	05-Jun-18 A		♦ Bids Due - CD Secondary Clarifiers Plant 2
CD31330	Bid Review Period - CD Secondary Clarifiers Plant 2	60	05-Jun-18 A	12-Oct-18 A	Bid Review Period - CD Secondary Clarifiers Plant 2
CD31340	Award Recommendation - CD Secondary Clarifiers Plant 2	0		12-Oct-18 A	Award Recommendation - CD Secondary Clarifiers Plant 2:
CD84380	Procurement - CD Secondary Clarifiers Plant 2	270	27-Nov-17 A	29-Nov-18 A	Procurement - CD/Secondary Clarifiers Plant 2
CD31350	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 2	45	13-Oct-18 A	29-Nov-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) -CD Secondary Clarifiers Plant 2
Construction		1775	06-Dec-18 A	09-Nov-23	▼ 09-Nov23, Construction
CD11113	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 2	0	06-Dec-18 A		♦ Contractor Notice to Propeed (NTP) - CD Secondary Clarifiers Plant 2
CD80120	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2	348	06-Dec-18 A	04-Nov-20	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2
CD84390	Construction Clarifiers - CD Secondary Clarifiers Plant 2	1740	06-Dec-18 A	11-Sep-23	Construction Clarifiers - CD Sec
CD86250	Commissioning - CD Secondary Clarifiers Plant 2	60	14-Jul-23	11-Sep-23	Commissioning - CD Secondary Clarifiers Plant 2
CD83700	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		11-Sep-23*	◆ Substantial Completion (CD Compliance Date 12/01/24) - CD
CD40060	Project Closeout - CD Secondary Clarifiers Plant 2	59	12-Sep-23	09-Nov-23*	Project Closeout - CD Secondary Clarifiers Plant 2
Project Administration		2615	16-Mar-16 A	09-Nov-23	▼ 09-Nov-23, Project Administration
CD85150	WASD Project Administration - CD Secondary Clarifiers Plant 2	2615	16-Mar-16 A	09-Nov-23	WASD Project Administration - CD Secondary Clarifiers Pl
	Clarifiers Plant 2 Tank Mechanisms	1740	21-Nov-18 A	04-Sep-23	▼ 04-Sep-23, 2.08 (2) Secondary Clarifiers Plant 2 Tank Mechan
Construction	Construction Tools 202 CD Connedon Clarifican Tools Markoning	1740 45	21-Nov-18 A	04-Sep-23	
CD83710	Construction Tanks 2 & 3 - CD Secondary Clarifiers Tank Mechanisms		21-Nov-18 A	30-Aug-19 A	Construction Tanks 2-83 - CD Secondary Clarifiers Tank Mechanisms
CD83720 CD86100	Construction Tank 9 - CD Secondary Clarifiers Tank Mechanisms	180 180	20-Sep-19 A 30-Mar-20 A	20-Apr-20 A 10-Sep-20	Construction Tank 9 - CD Secondary Clarifiers Tank Mechanisms
CD83730	Construction Tank 8 - CD Secondary Clarifiers Tank Mechanisms Construction Tank 10 - CD Secondary Clarifiers Tank Mechanisms	195	30-Jun-20	10-Sep-20 10-Jan-21	Construction Tank 8 - CD Secondary Clariflers Tank Mechanisms
CD83730	·	195	07-Feb-21*	20-Aug-21	Construction Tank 10 - CD Secondary Clariffers Tank Mechanisms
CD83750	Construction Tank 7 - CD Secondary Clarifiers Tank Mechanisms Construction Tanks 5 & 6 - CD Secondary Clarifiers Tank Mechanisms	195	15-Oct-21	20-Aug-21 27-Apr-22	Construction Tank 7 - CD Secondary Clarifiers Tank Mechanisms
CD87170	Construction Tank 3 - CD Secondary Clarifiers Tank Mechanisms Construction Tank 4 - CD Secondary Clarifiers Tank Mechanisms	195	03-May-22	13-Nov-22	Construction Tanks 5&6 - CD Secondary Clarifiers Tank Mechanisms
CD84400	Construction Tanks - CD Secondary Clarifiers Plant 2 Tank Mechanisms	1261	21-Nov-18 A	06-Jun-23	Construction Tank 4 - CD Secondary Clarifiers Tank Mechanisms
CD87180	Construction Tank 1 - CD Secondary Clarifiers Flank 2 lank Mechanisms	1201	24-Nov-22	06-Jun-23	Construction Tanks - CD Secondary Clarifiers Plant 2 Tank Mechanis
CD83760	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Tank Mechanisms	193	24-1107-22	06-Jun-23*	Construction Tank 1 - CD Secondary Clarifiers Tank Mechanisms
CD85710	Project Closeout - CD Secondary Clarifiers Tank Mechanisms	90	07-Jun-23	04-Sep-23*	→ Substantial Completion (CD Compliance Date 12/01/24) - CD Seco
Project Administration	1 loject closecut - Ob decondary claimers fank wednamens	1351	21-Nov-18 A	04-Sep-23	Project Closeout - CD Secondary Clarifiers Tank Mechanisms. 7 04-Sep-23, Project Administration
CD85160	WASD Project Administration - CD Secondary Clarifiers Tank Mechanisms	1351	21-Nov-18 A	04-Sep-23	
	Clarifiers Plant 2 Structural Rehab	2214	14-Jul-17 A	05-Aug-23	WASD Project Administration ± CD Secondary Clarifiers Tank N ▼ 05-Aug-23, 2.08 (3) Secondary Clarifiers Plant 2 Structural Reha
Pre-Design		148	14-Jul-17 A	09-Feb-18 A	▼ 09-Feb-16 A, Pre-Design
CD83770	Pre-Design Tanks 1-10 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	09-Feb-18 A	Pre-Design Tanks 1:10 - CD Secondaly Clarifiers Structural Rehab
Engineering De sign		123	12-Feb-18 A	16-Jul-18 A	Pre-Design Tanks 1:10 - CD Secondarly Clarifiers Structural Rehab 7 16:Jul-18:A, Engineering Design
CD85730	50% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	120	12-Feb-18 A	25-Apr-18 A	50% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab
CD85740	50% Design Review - CD Secondary Clarifiers Plant 2 Structural Rehab	7	26-Apr-18 A	16-May-18 A	■ 50% Design Review - CD Secondary Clarifiers Plant 2 Structural Rehab
CD85750	100% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	21	16-May-18 A	16-May-18 A	I 100% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab
CD84410	Engineering Design - CD Secondary Clarifiers Plant 2 Structural Rehab	120	12-Feb-18 A	16-Jul-18 A	Engineering Design - CD Secondary Clarifiers Plant 2 Structural Rehab
CD85760	100% Design Review/Bid Ready Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	20	16-May-18 A	16-Jul-18 A	100% Design Review/Bid Ready Submittal - O Secondary Clarifiers Plant 2 Structural Rehab
Procurement	D 47 1 000 0D0 1 00 W 00 1 17 1	1536	17-Jul-18 A	29-Oct-22	▼ 29-Oct-22, Procurement
CD83870	Procurement Tanks 28.3 - CD Secondary Clarifiers Structural Rehab	90	17-Jul-18 A	20-Nov-18 A	Procurement Tanks 283 - CD Secondary Clarifiers Structural Rehab
CD87030	Procurement Tank 9 - CD Secondary Clarifiers Structural Rehab	90	23-Aug-18 A	05-Oct-19 A	Procurement Tank 9 -CD Secondary Clarifiers Structural Rehab
CD83890	Procurement Tank 8 - CD Secondary Clarifiers Structural Rehab	133	28-May-19 A	29-Mar-20 A	Procurement Tank 8 - CD Secondary Clarifiers \$tructural Rehab
CD87040	Procurement Tank 10 - CD Secondary Clarifiers Structural Rehab	133	28-May-19 A	29-Jul-20	Procurement Tank 10 - CD Secondary Clarifiers Structural Rehab
CD83900	Procurement Tank 7 - CD Secondary Clarifiers Structural Rehab	205	30-Jul-20	19-Feb-21* 14-Oct-21*	Procurement Tank 7 - CD Secondary Clarifiers Structural Rehab
CD83910 CD87070	Procurement Tank 5 - CD Secondary Clarifiers Structural Rehab Procurement Tank 6 - CD Secondary Clarifiers Structural Rehab	194 194	04-Apr-21 04-Apr-21	14-Oct-21*	Procurement Tank 5 - CD Secondary Clarifiers: Structural Rehab
CD87070	Procurement Tank 4 - CD Secondary Clarifiers Structural Rehab	253	28-May-19 A	02-May-22	Procurement Tank 6 - CD Secondary Clarifiers; Structural Rehab
CD84420	Procurement - CD Secondary Clarifiers Plant 2 Structural Rehab	1187	17-Jul-18 A	29-Oct-22	Procurement Tank 4 - CD Secondary Clarifier's Structural Rehab
32311EU	Procurement Tank 1 - CD Secondary Clarifiers Structural Rehab	180	03-May-22	29-Oct-22*	Procurement : CD Secondary Clarifiers: Plant 2 Structural Rehab
CD87060		1697	21-Nov-18 A	05-Aug-23	Procurement Tank 1:- CD Secondary Clarifiers Structural Rehab ▼ 05-Aug-23, Construction
CD87060		112	21-Nov-18 A	06-May-19 A	7
Construction	Construction Tank 3 - CD Secondary Clarifiers Structural Rehab			21-Jun-19 A	Construction Tank 3'- CD Secondary Clarifier's Structural Rehab
Construction CD87160	Construction Tank 3 - CD Secondary Clarifiers Structural Rehab Construction Tank 2 - CD Secondary Clarifiers Structural Rehab	142	21-Nov-18 A		Construction Tank 2 - CD Secondary Clarifiers Structural Rehab
Construction CD87160 CD83920	Construction Tank 2 - CD Secondary Clarifiers Structural Rehab		21-Nov-18 A 07-Oct-19 A	07-Mar-20 A	
Construction CD87160	Construction Tank 2 - CD Secondary Clarifiers Structural Rehab Construction Tank 9 - CD Secondary Clarifiers Structural Rehab	142		07-Mar-20 A	Construction Tank 9 - CD Secondary Clarifiers Structural Rehab
Construction CD87160 CD83920 CD83930	Construction Tank 2 - CD Secondary Clarifiers Structural Rehab	142 135	07-Oct-19 A	-	Construction Tank 9 - CD Secondary Clarifiers Structural Rehab Construction Tank 8 - CD Secondary Clarifiers Structural Rehab
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CD87090 C	Construction Tank 1 - CD Secondary Clarifiers Structural Rehab	135	24-Dec-22	07-May-23										Construction Tank 1 - CD Secondary Clarifiers	
CD83970 S	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Structural Rehab	0		07-May-23*										Substantial Completion (CD Compliance Date	
D85720 P	Project Closeout - CD Secondary Clarifiers Structural Rehab	90	08-May-23	05-Aug-23*					ii					Project Closeout - CD Secondary Clarifie 05-Aug-23, Project Administration	
ject Administration		1447	12-Feb-18 A	05-Aug-23										05-Aug-23, Project Administration	
	VASD Project Administration - CD Secondary Clarifiers Structural Rehab	1447	12-Feb-18 A	05-Aug-23									<u> </u>	WASD Project Administration - CD Seco	ndary Clarifiers Str
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Design		181	10-May-17 A	30-Jul-18 A	30-Jul-18 A,	Pre-Design									
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curement	,	1223	30-Apr-20 A	05-Oct-23					 				. ♥. EPA.Compl	iance Date for Permitting - CD Return Sludge PS 05-Oct-23, Procurement	mant.1
	ntemal Bid Package Review - CD Retum Sludge PS Plant 1	30	30-Apr-20 A	31-Jul-20				la.	temal bid I	Packago F	Review C	Return Sludge	PS Plant 1		
31360 D	Design Documents Sent to Procurement - CD Return Sludge PS Plant 1	0	11-Jan-21*				- -	- "'	: :	1 1	- 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	Sludge PS Plant 1	
31370 S	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 1	60	11-Jan-21	11-Mar-21	7				1 1	1 77 1				tise - CD Return Sludge PS Plant 1	
31380 A	dvertise Bid Package - CD Return Sludge PS Plant 1	0	12-Mar-21		1				i i	- 1	1 1	1 1	n Sludge PS Pla		
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011583 C	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 1	0	08-Oct-21								◆ Cor	tractor Notice to	Proceed (NTP)	- CD Return Sludge PS Plant 1	1 1 1
011590 C	Construction PS #1 - CD Return Sludge PS Plant 1	496	08-Oct-21	15-Feb-23											PS #1 - CD Retui
082650 E	PA Start Date for Construction - CD Return Sludge PS Plant 1	0	06-Oct-23*											◆ EPA Start Date for Construction - CI	D Return Sludge P
011630 C	Construction PS #2 - CD Return Sludge PS Plant 1	400	16-Feb-23	21-Mar-24											Constr
011588 C	Construction - CD Return Sludge PS Plant 1	1296	08-Oct-21	25-Apr-25											3
011660 C	Construction PS #3 - CD Return Sludge PS Plant 1	400	22-Mar-24	25-Apr-25											ı
86260 C	Commissioning - CD Return Sludge PS Plant 1	30	27-Mar-25	25-Apr-25											Commissioning
11700 S	Substantial Completion (CD Compliance Date 8/15/26) - CD Return Sludge PS Plant 1	0		25-Apr-25*											Substantial Cor
40070 P	Project Closeout - CD Return Sludge PS Plant 1	90	26-Apr-25	24-Jul-25*	7										Project Cl
080800 E	PA Compliance Date for Construction - CD Return Sludge PS Plant 1	0		15-Aug-26*					ii				. i i i .		
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Return Sludge PS F	Plant 2	3428	15-Jul-15 A	01-Dec-24						1			1 1 1	7 01-Dec	-∠4, ∠.10 Return
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ID .	Activity Inditite	Original Duration	Start	FILIBIT	Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1
CD41060	BODR Review Period - CD Return Sludge PS Plant 2	7	18-Jun-16 A	24-Jun-16 A	1
CD70970	Final Basis of Design Report (BODR) - CD Return Sludge PS Plant 2	13	25-Jun-16 A	07-Jul-16 A	Judge PS Plant 2
CD20910	30% Design Submittal - CD Return Sludge PS Plant 2	50	08-Jul-16 A	26-Aug-16 A	R) - CD Retum Sludge PS Plant 2
CD20920	30% Design Review - CD Return Sludge PS Plant 2	7	27-Aug-16 A	02-Sep-16 A	um Sludge PS Plant 2
CD20930	60% Design Submittal - CD Return Sludge PS Plant 2	42	03-Sep-16 A	14-Oct-16 A	n Sludge PS Plant 2
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CD20940	60% Design Review - CD Return Sludge PS Plant 2	5	15-Oct-16 A	19-Oct-16 A	tum \$ludgé PS Plant 2
CD20950	100% Design Submittal - CD Return Sludge PS Plant 2	64	20-Oct-16 A	22-Dec-16 A	- CD Return Sludge PS Plant 2
CD84440	Engineering Design - CD Return Sludge PS Plant 2 - RAS Pump	323	16-Mar-16 A	01-Feb-17 A	CD Return Sludge PS Plant 2 - RAS Pump
CD40370	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 2	41	23-Dec-16 A	01-Feb-17 A	/Permit Ready Submittal - CD:Return Sludge PS Plant;2 ▼ 22-May-18 A; Permitting:
Permitting		476	18-Jul-16 A	22-May-18 A	22-May-18 A; Permitting
CD80220	FDEP Permit (Remaining Scope) - CD Return Sludge PS Plant 2	191	18-Jul-16 A	24-Jan-17 A	hing Scope) - CD Return Sludge PS Plant 2
CD80210	RER Permit (Remaining Scope) - CD Return Sludge PS Plant 2	98	02-Feb-17 A	10-May-17 A	temaining Scope) - CD Return Sludge PS Plant 2
CD84450	Permitting - CD Return Sludge PS Plant 2 - RAS Pump	476	18-Jul-16 A	22-May-18 A	Permitting - CD Return Sludge PS Plant 2 - RAS Pump
CD40710	City of Miami Permit (Remaining Scope) - CD Return Sludge PS Plant 2	180	10-May-17 A	22-May-18 A	
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CD84150	GMOU submittal and approval - CD Return Sludge PS Plant 2	21	03-Feb-17 A	23-Feb-17 A	1
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CD31450	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 2	60	22-Jan-18 A	11-Apr-18 A	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 2
CD31460	Advertise Bid Package - CD Return Sludge PS Plant 2	0	12-Apr-18 A		♦ Advertise Bid Package - CD Return Sludge PS Plant 2
CD31470	Bid Solicitation Period - CD Return Sludge PS Plant 2	5	12-Apr-18 A	04-Jun-18 A	Bid Solicitation Period - CD Return Sludge PS Plant 2
CD31480	Bids Due - CD Return Sludge PS Plant 2	0	05-Jun-18 A		◆ Bids Due - CD Return Sludge PS Plant 2
CD31490	Bid Review Period - CD Return Sludge PS Plant 2	60	05-Jun-18 A	12-Oct-18 A	Bid Review Period - CD Return Sludge PS Plant 2
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CD86270	Commissioning - CD Return Sludge PS Plant 2	60	14-Jul-23	11-Sep-23*	Commissioning - CD Return Studge-PS Plant 2
CD11580	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0		11-Sep-23*	◆ Substantial Completion (CD Compliance Date 12/01/24
CD40080	Project Closeout - CD Return Sludge PS Plant 2	59	12-Sep-23	09-Nov-23*	
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CD82280	Final Technical Memo Submittal - CD Effluent Pump Station	21	13-Sep-16 A	03-Oct-16 A	ttal - CD Effluent Pump Station
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	cree Schedule - June 2020 Update	0::::1			Baseline (By Phase)	15-Jul-20 14:52 - Page No. 18 of 43
ctivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q	2021 2022 2023 2024 2025 2026 03 Q4 Q1 Q2 Q3 Q4 Q1 Q2
Construction		723	21-Jun-19 A	21-Jun-21		21-Jun-21, Construction
CD82730	EPA Start Date for Construction - CD Effluent Pump Station	0			◆ EPA Start Date for Constru	uction - CD Effluent Pump Station
CD10658	Contractor Notice to Proceed (NTP) - CD Effluent Pump Station	0			◆ Contractor Notice to Pr	oceed (NTP) - CD Effluent Pump Station
CD10660	Construction - CD Effluent Pump Station	440		05-Dec-20		Construction - CD Effluent Pump Station
CD86280 CD10870	Commissioning - CD Effluent Pump Station Substantial Completion (CD Compliance Date 6/21/21) - CD Effluent Pump Station	30	06-Nov-20	05-Dec-20*		☐ Commissioning - CD Effluent Pump Station
CD40090	Project Closeout - CD Effluent Pump Station	60	06-Dec-20	03-Dec-20 03-Feb-21*	4	◆ Substantial Completion (CD Compliance Date 6/21/21) - CD Effluent Pump Station
CD80900	EPA Compliance Date for Construction - CD Effluent Pump Station	0	00 200 20	21-Jun-21*	1	Project Closeout - CD Effluent Pump Station
Project Administration	·	1121	13-Sep-16 A	03-Feb-21		◆ EPA Compliance Date for Construction - CD Effluent Pump Station ▼ 03-Feb-21, Project Administration
CD34040	WASD Project Administration - CD Effluent Pump Station	1121	13-Sep-16 A	03-Feb-21		WASD Project Administration - CD Effluent Pump Station
2.12 Gravity Sludge	Thickeners Plant 1	3067	02-Feb-15 A	26-Jun-23		26 Jun-23, 2.12 Gravity Sludge Thickeners Plant 1
Pre-Design		87		30-Apr-15 A		
CD11302	Pre-Design - CD Gravity Sludge Thickeners Plant 1	88	02-Feb-15 A	30-Apr-15 A	Not 17 A Expression 1920 ion	
Engineering Design CD20960	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 1	868 190	16-Jun-15 A 16-Jun-15 A	05-Oct-17 A 22-Dec-15 A	Dct-17 A, Engineering Design	
CD32810	BODR Design Review - CD Gravity Sludge Thickeners Plant 1	36		27-Jan-16 A	ge Thickeners Plant 1	
CD10370	Engineering Design - CD Gravity Sludge Thickeners Plant 1	288		29-Mar-16 A	keners Plant 1 ineering Design - CD Gravity Sludge Thickeners Plant 1	
CD41080	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 1	0		29-Mar-16 A	1 : : : : : : : : : .	
CD32620	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1	90	28-Jan-16 A	26-Apr-16 A	keners Plant 1 - CD Gravity Sludge Thickeners Plant 1	
CD32640	DCP Design Review - CD Gravity Sludge Thickeners Plant 1	25	25-Apr-16 A	19-May-16 A	te Thickeners Plant 1	
CD33340	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1	298	04-Jan-16 A	27-Oct-16 A	Process - CD Gravity Sludge Thickeners Plant 1	
CD32660	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 1	188	20-May-16 A	23-Nov-16 A	Gravity Sludge Thickeners Plant 1	
CD82740	EPA Start Date for Engineering Design - CD Gravity Studge Thickeners Plant 1	0	01-Apr-17 A		or Engineering Design - CD Gravity Sludge Thickeners Plant 1	
CD80910	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0		05-Oct-17 A	Compliance Date for Engineering Design - CD Gravity Sludge T	hickeners Plant 1
Permitting	TOTO D. II OD O. II OL I. T. II. D. III	1217		05-Mar-20 A	▼ 05-Mar-2	20 A, Permitting
CD32680	FDEP Permit - CD Gravity Sludge Thickeners Plant 1	126	29-Jan-16 A	02-Jun-16 A	keners Plant 1	
CD87140 Procurement	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 1	60 1624		05-Mar-20 A 03-Jul-20	FDEP	ermit (Revised BODR) - CD. Gravity. Sludge Thickeners Plant 1.
CD33220	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 1	0		03-341-20		
CD33230	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 1	113		19-Jul-16 A	Sludge Thickeners Plant 1 tequest to Advertise - CD Gravity Sludge Thickeners Plant 1	
CD33240	Advertise RDBS - CD Gravity Sludge Thickeners Plant 1	0	20-Jul-16 A		te Thickeners Plant 1	
CD33250	Request for Qualifications - CD Gravity Sludge Thickeners Plant 1	59	20-Jul-16 A	16-Sep-16 A) Gravity Sludge Thickeners Plant 1	
CD33260	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 1	0	17-Sep-16 A		CD Gravity Sludge Thickeners Plant 1	
CD33270	Qualification Review Period - CD Gravity Sludge Thickeners Plant 1	91	17-Sep-16 A	16-Dec-16 A	iod - CD Gravity Sludge Thickeners Plant 1	
CD33280	Shortlist Published - CD Gravity Sludge Thickeners Plant 1	0		16-Dec-16 A	Gravity Sludge Thickeners Plant 1	
CD33290	Request for Proposals - CD Gravity Sludge Thickeners Plant 1	101		04-May-17 A	oposals - CD Gravity Sludge Thickeners Plant 1	
CD33300	Proposals Due - CD Gravity Sludge Thickeners Plant 1	0	05-May-17 A		- CD Gravity Sludge Thickeners Plant 1	
CD33310	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 1	112	•	24-Aug-17 A	al Review Period & Oral Presentations - CD Gravity Sludge Thick	keners Plant 1
CD33320	Award Recommendation - CD Gravity Sludge Thickeners Plant 1	0	3	47 No. 47 A	Recommendation - CD Gravity Sludge Thickeners Plant 1	
CD33330 CD33360	Contract Negotiations - CD Gravity Sludge Thickeners Plant 1 Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 1	53 79	•	17-Nov-17 A 01-May-18 A	ontract Negotiations - CD Gravity Sludge Thickeners Plant 1	
CD86110	Bid Cancellation - CD Gravity Sludge Thickeners Plant 1	0	10-100-17 A	30-May-18 A	Final Approvals (BCC, Mayor, Risk Montt.) - CD Gravity	
CD86170	TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 1	60	11-May-18 A	23-Jul-18 A	◆ Bid Cancellation - CD Gravity Sludge Thickeners Plan	
CD86430	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20		28-Aug-18 A	TA' Re-Negotiation and Approval -CD Gravity Sluc	dge Thickeners Plant 1 DRAFT Review; item to ISD/SBD for future solicitation, review and comments
CD82760	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0			◆ EPA Start Date for Procurement - CD Gravit	
CD86440	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40	19-Sep-18 A	08-Nov-18 A		ecelpt of SBD Workshieet, Request to Advertise; approval from WASD and OMB
CD86450	Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 1	0		08-Nov-18 A	◆ Project Advertisement (after signed RTA)	
CD86480	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1	40	19-Sep-18 A	04-Jan-19 A		ction Committee (CSC) - CD Gravity Sludge Thickeners Plant 1
CD86460	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	40	09-Nov-18 A	11-Jan-19 A	Step 1 - Submittal Due Date - CD Gra	
CD86470	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 1	30	12-Jan-19 A	06-Mar-19 A	Step 1 - Qualifications Evaluation	n/Meeting - CD Gravity Sludge Thickeners Plant 1
CD86990	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 1	15		19-Mar-19 A	I Issue DCP and Request for Frop	oosals - CD Gravity Sludge Thickeners Plant 1
CD86500	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	54		10-May-19 A	Step 2 Submittal Due Date -	CD Gravity Sludge Thickeners Plant 1
CD86520	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1 Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1	30	•	12-Jun-19 A	Step 2 Meeting - CD Gravit	
CD86510 CD86530	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1 Negotiation Memo submitted / Approved by WASD Director - CD Gravity Sludge Thickeners Plant 1	76 60	•	12-Jun-19 A 01-Jul-19 A		nd Évaluațion - CD Gravity Studge Thickeners Plant 1:
CD86550	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1	60		09-Aug-19 A		itted / Approved by WASD Director - CD Gravity Sludge Thickeners Plant 1
CD86560	Negotiations Concluded and preparation of final Contract - CD Gravity Sludge Thickeners Plant 1	162		26-Sep-19 A		ce - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1
CD80930	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0	.3	05-Oct-19 A	1	uded and preparation of final Contract - CD Gravity Sludge Thickeners Plant 1
CD86570	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	27-Sep-19 A	13-Dec-19 A		Date for Procurement - CD Gravity Sludge Thickeners Plant 1 uted by Firm and obtain County Attorney. Risk Management and OMB signatures
CD86580	Submit Contract Award Recommendation/Contract for internal approvals -CD Gravity Sludge Thickeners Plant 1	21	·	28-Feb-20 A		uted by Firm and obtain County Attorney, Risk Management and Owls Signatures Confract Award Recommen dation/Contract for internal approvals -CD Gravity Sludge Thickeners Plant 1
CD86590	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 1	62	29-Feb-20 A	05-May-20 A		mit/Approval of Item to Agerida Coordinator for committee & BOC Ratification - CD Gravity Studge Thickeners Plant 1
CD10730	Procurement - CD Gravity Sludge Thickeners Plant 1	679	29-Mar-16 A	03-Jul-20		Procurement - CD Gravity Sludge Thickeners Plant 1
CD85950	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 1	739	•	03-Jul-20	1	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 1
CD86600	Issue NTP - CD Gravity Sludge Thickeners Plant 1	59	•	03-Jul-20		Issue NTP - CD Gravity Studge Thickeners Plant 1
Design-Build	EDA Clost Date for Construction CD Contit. Obstan Thistoners Direct 4	1335		26-Jun-23		26-Jun-23; Design-Build
CD82770	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 1	0			◆ EPA Start Date for	Construction - CD Gravity Sludge Thickeners Plant 1
CD33350 CD32690	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 1 Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1	300	06-Jul-20 06-Jul-20	01-May-21	-{	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 1
CD32690 CD32700	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1	180	06-Jul-20 02-Jan-21	30-Jun-21	1	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1
CD80940	EPA Compliance Date for Construction - CD Gravity Studge Thickeners Plant 1	0	02-0a11-2 I	13-Jan-23*		AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1
3200010		966	06-Jul-20	26-Feb-23	1	
CD84760	Design-builder Contract Duration - CD Gravity Studge Thickeners Plant 1					
CD84760 CD10950	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 1 Construction - CD Gravity Sludge Thickeners Plant 1	786	02-Jan-21	26-Feb-23	1	rate de la companya del companya de la companya de la companya del companya de la companya de l
			02-Jan-21	26-Feb-23 26-Feb-23		Construction - CD Gravity Sludge Thickeners Plant 1 Commissioning - CD Gravity Sludge Thickeners Plant 1

	ee Schedule - June 2020 Update	1 0			Baseline (By Phase)	15-Jul-20 14:52 - Page No. 19 of 43
Activity ID	Activity Name	Original Duration	Start	Finish		2020
CD40100	Project Closeout - CD Gravity Sludge Thickeners Plant 1	120	27-Feb-23	26-Jun-23*		Project Claseout: - CD Gravity: Sludde. Thickeners Plant 1.
Project Administration	WAS Desirat Administration CD Conity Clydge Thickenson Plant 1	2039	16-Jun-15 A	26-Jun-23		
CD34050 2.13 Gravity Sludge T	WASD Project Administration - CD Gravity Sludge Thickeners Plant 1 Thickeners Plant 2	2039 3303	16-Jun-15 A 11-Jun-14 A	26-Jun-23 26-Jun-23		WASD Project Administration - CD Gravity Sludge Thickeners Plant 1 V 26-Jun-23; 2.13; Gravity Sludge Thickeners Plant 2
Pre-Design	Thickeners Frank 2	58		31-Mar-15 A	 -	
CD21080	Negotiate/Award Balance of Design - CD Gravity Sludge Thickeners Plant 2	59	01-Feb-15 A	31-Mar-15 A	rs Plant 2	
Engineering De sign		896		23-Nov-16 A	Design	
CD21020 CD82780	Complete Technical Memorandum - CD Gravity Sludge Thickeners Plant 2 EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	235	11-Jun-14 A 01-Oct-15 A	31-Jan-15 A	nt 2	
CD21730	Basis of Design Report (BODR) - CD Gravity Studge Thickeners Plant 2	236		22-Dec-15 A	udge Thickeners Plant 2	
CD21740	BODR Design Review - CD Gravity Sludge Thickeners Plant 2	36	•	27-Jan-16 A	lge Thickeners Plant 2 ckeners Plant 2	
CD10510	Engineering Design - CD Gravity Sludge Thickeners Plant 2	658	11-Jun-14 A	29-Mar-16 A	ludge Thickeners Plant 2	
CD41070	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 2	0		29-Mar-16 A	keners Plant 2	
CD30160	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2	90		26-Apr-16 A	- CD Gravity Sludge Thickeners Plant 2	
CD30190 CD80950	DCP Design Review - CD Gravity Sludge Thickeners Plant 2	23	27-Apr-16 A	19-May-16 A 22-Jul-16 A	ie Thickeners Plant 2	
CD80950 CD33370	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2 Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 2	298	04-Jan-16 A	27-Oct-16 A	ering Design - CD Gravity Sludge Thickeners Plant 2	
CD30200	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2	188	20-May-16 A	23-Nov-16 A	Process - CD Gravity Sludge Thickeners Plant 2	
Permitting	, ,	1217	•	05-Mar-20 A	Gravity Sludge Thickeners Plant 2 ▼ :05-I	M <mark>a</mark> r-20 A, Permitting
CD30230	FDEP Permit - CD Gravity Sludge Thickeners Plant 2	126	29-Jan-16 A	02-Jun-16 A	keners Plant 2	
CD87130	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 2	60		05-Mar-20 A		EFF Permit (Revised BODR): CD Gravity Studge Thickeners Plant 2
Procurement CD33380	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 2	1624		03-Jul-20		ουγαιτος επουμετιτείτε
CD33390	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 2	113		19-Jul-16 A	Sludge Thickeners Plant 2	
CD33400	Advertise RDBS - CD Gravity Sludge Thickeners Plant 2	0			equest to Advertise - CD Gravity Sludge Thickeners Plant 2 re Thickeners Plant 2	'
CD33410	Request for Qualifications - CD Gravity Sludge Thickeners Plant 2	59		16-Sep-16 A	Je i nickeners Plant 2 J Gravity Sludge Thickeners Plant 2	
CD33420	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 2	0	17-Sep-16 A		CD Gravity Sludge Thickeners Plant 2	
CD33430	Qualification Review Period - CD Gravity Sludge Thickeners Plant 2	91	17-Sep-16 A	16-Dec-16 A	iod - CD Gravity Sludge Thickeners Plant 2	
CD33440	Shortlist Published - CD Gravity Sludge Thickeners Plant 2	0	00.4 47.4	16-Dec-16 A	Gravity Sludge Thickeners Plant 2	
CD82800 CD33450	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 2 Request for Proposals - CD Gravity Sludge Thickeners Plant 2	101		04-May-17 A	or Procurement - CD Gravity Sludge Thickeners Plant 2	
CD33460	Proposals Due - CD Gravity Sludge Thickeners Plant 2	0		04-Way-17 A	oposals - CD Gravity Sludge Thickeners Plant 2	
CD33470	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 2	112	•	24-Aug-17 A	- CD Gravity Sludge Thickeners Plant 2 al Review Period & Oral Presentations - CD Gravity Sludge	Thiskney Plant 2
CD33480	Award Recommendation - CD Gravity Sludge Thickeners Plant 2	0	25-Aug-17 A	_	Recommendation - CD Gravity Sludge Thickeners Plant 2	Tilloveripis Fight 2
CD33490	Contract Negotiations - CD Gravity Sludge Thickeners Plant 2	53	25-Aug-17 A	17-Nov-17 A	ontract Negotiations - CD Gravity Sludge Thickeriers Plant 2	
CD80970	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 2**	0		05-Apr-18 A	◆ EPA Compliance Date for Procurement -CD Gravity	
CD33500	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 2	79	18-Nov-17 A	01-May-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD G	ora <mark>v</mark> ity Sludge Thickeners Plant 2
CD86120 CD86180	Bid Cancellation - CD Gravity Sludge Thickeners Plant 2 TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 2	60	11-May-18 A	30-May-18 A 23-Jul-18 A	◆ Bid Cancellation - CD Gravity Sludge Thickeners	
CD86610	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	-	28-Aug-18 A	TA Re-Negotiation and Approval -CD Gravity	
CD86620	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40		08-Nov-18 A	1	ubmit DRAFT Review; item to ISD/SBD for future solicitation, review and comments BD Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB
CD86630	Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 2	0	-	08-Nov-18 A	1 1 1 1 1 1 1 1 1 1	RTA) - CD Gravity Sludge Thickeners Plant 2
CD86660	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 2	40	19-Sep-18 A	04-Jan-19 A		Selection Committee (CSC) - CD Gravity Studge Thickeners Plant 2
CD86640	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 2	40		11-Jan-19 A	Step 1 - \$ubmittal Due Date - C	CD Gravitý Sludge Thickeners Plant 2
CD86650	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 2	30		06-Mar-19 A	Step 1 - Qualifications Evalu	uation/Meeting:- CD Gravity, Sludge Thickeners Plant 2
CD87000 CD86680	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 2 Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 2	15 54		19-Mar-19 A 10-May-19 A		r Froposals - CD Gravity Sludge Thickeners Plant 2
CD86700	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 2	30		12-Jun-19 A	1	Date - CD Gravity Sludge Thickeners Plant 2
CD86690	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 2	76	•	12-Jun-19 A		Glavity Sludge Thickeners Plant 2 ew and Evaluation - CD Gravity Sludge Thickeners Plant 2
CD86710	Negotiation Memo submitted / Approved by WASD Director - CD Gravity Sludge Thickeners Plant 2	60	13-Jun-19 A	01-Jul-19 A		submitted / Approved by WASD Director - CD Gravity, Sludge Thickeners Plant 2
CD86730	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2	60	02-Jul-19 A	09-Aug-19 A	1	nmence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2
CD86740	Negotiations Concluded and preparation of final Contract - CD Gravity Sludge Thickeners Plant 2	162		26-Sep-19 A	1 1 1 1 1 1 1 1 1 1	Concluded and preparation of final Contract - CD Gravity Sludge Thickeners Plant 2
CD86750	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	78		13-Dec-19 A	Contract	Executed by Firm and obtain County Attorney, Risk Management and OMB signatures
CD86760 CD86770	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 2 Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 2	21 62		28-Feb-20 A 05-May-20 A	Sub	omit Confract Award Recommen dation/Contract for internal approvals -CD Gravity Studge Thickeners Plant 2
CD86770 CD10860	Procurement - CD Gravity Sludge Thickeners Plant 2	679		03-Jul-20		Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Studge Thickeners Plant 2 Propurement - CD Gravity Studge Thickeners Plant 2
CD85960	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 2	739		03-Jul-20		Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 2
CD86780	Issue NTP - CD Gravity Sludge Thickeners Plant 2	59	•	03-Jul-20	1	sque NTP - CD Gravity Studge Thickeners Plant 2
Design-Build		1884	06-Apr-18 A	26-Jun-23		26-Jun-23, Design-Build
CD82810	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 2**	0			♦ EPA Start Date for Construction - CD Gravity Sludge	pe Thickeners Plant 2**
CD33510	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 2	300	06-Jul-20	01 Mov 24		Design-Builder NTP - CD Gravity Sludge Thickeners Plant 2:
CD30240 CD30250	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2 AHJ Permit Review - CD Gravity Sludge Thickeners Plant 2	300 180		01-May-21 30-Jun-21	1	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2
CD80980	EPA Compliance Date for Construction - CD Gravity Studge Thickeners Plant 2	0	5 <u>=</u> 001121	13-Jan-23*		AHJ Permit Review - CD Gravity Sludge Thickeners Plant 2
CD84770	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 2	966	06-Jul-20	26-Feb-23		◆ EPA Compliance Date for Construction - CD Gravity Studge Thickeners:Plant 2 Design-Builder Contract Duration - CD Gravity Studge Thickeners Plant 2
CD11040	Construction - CD Gravity Sludge Thickeners Plant 2	786	02-Jan-21	26-Feb-23		Construction - CD Gravity Sludge Thickeners Plant 2
CD86300	Commissioning - CD Gravity Sludge Thickeners Plant 2	30	28-Jan-23	26-Feb-23		Commissioning - CD Gravity Sludge Thickeners Plant 2
CD11200	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 2	0	07 = 1	26-Feb-23*		◆ Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge This
CD40110	Project Closeout - CD Gravity Sludge Thickeners Plant 2	120 2085		26-Jun-23* 26-Jun-23		Project Claseout:- CD Gravity:Sludge Thickeners Plant 2. 26-Jun-23; Project Adm inistration
Project Administration CD34060	WASD Project Administration - CD Gravity Sludge Thickeners Plant 2	2085	•	26-Jun-23 26-Jun-23		
2.14 Digesters Plant		3234		19-Jan-26		. WASD Project Administration - CD Gravity Sludge Thickeners Plant 2.
2.14.1 Cluster 1		2211	21-May-18 A	18-Jun-24		▼ 18-Jún-24, 2.14.1 Cluster 1
						26-Jul-20, Pre-Desigh

2 001.001.11 2 00	cree Schedule - June 2020 Update Activity Name	Original		Finish	Baseline (By Phase) 15-Jul-20 14:52 - Page No. 2 2018 2019 2020 2021 2022 2023 2024 2025
	,	Duration	Ottait	TITIOTT	Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1
D84520	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1	0	21-May-18 A		1
D11312	Pre-Design - CD Digesters Plant 1 Cluster 1	27	•	26-Jul-20	♦ Respond to EPA re. Project Repurposing - CD Didesters Plant1 Cluster 1
gineering Design		302		28-Mar-21	□ Pre-Design - QD Digesters Plant 1. Cluster 1. 28-Mar-21, Engineering Design
D82820	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0	•		◆ EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 1
D21320	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1	30	27-Jul-20	25-Aug-20	■ Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1
D21330	30% Design Submittal - CD Digesters Plant 1 Cluster 1	59	26-Aug-20	23-Oct-20	1
D80990	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0		04-Nov-20*	30% Design Submittal - CD Digesters Plant 1 Cluster 1
021340	30% Design Review - CD Digesters Plant 1 Cluster 1	14	24-Oct-20	06-Nov-20	◆ EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 1
021350	60% Design Submittal - CD Digesters Plant 1 Cluster 1	49		25-Dec-20	□ 30% Design Review - CD Digesters Plant 1 Cluster 1
	•	-		-	60% Design Submittal - CD Diaesters Plant 1 Cluster 1
21360	60% Design Review - CD Digesters Plant 1 Cluster 1	14		08-Jan-21	□ 60% Design Relview - CD Digesters Plant 1 Cluster 1
21370	100% Design Submittal - CD Digesters Plant 1 Cluster 1	49		26-Feb-21	100% Design Submittal CD Digesters Plant 1 Cluster 1
011260	Engineering Design - CD Digesters Plant 1 Cluster 1	245		28-Mar-21	Engineering Design - CD Digesters Plant 1 Cluster 1
)40390	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 1	30	27-Feb-21	28-Mar-21	100% Design Review/Permit Ready. Submittal -: CD. Digesters Plant 1 Cluster 1: 04-Nov-21, Permitting
nitting		365		04-Nov-21	▼ U4-Nov-21, Permitting
82830	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1	0			◆ EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1
11310	Permitting - CD Digesters Plant 1 Cluster 1	120	29-Mar-21	26-Jul-21	Permitting - CD Digésters Plant 1 Cluster 1
81000	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 1	0		04-Nov-21*	◆ EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 1
urement		466	27-Jul-21	04-Nov-22	◆ EPA Compliance Date for Permitting -CD Digesters Plant 1 Cluster 1 ———————————————————————————————————
84050	Internal Bid Package Review - CD Digesters Plant 1 Cluster 1	3	27-Jul-21	29-Jul-21	I Internal Bid Package Review - CD Digesters Plant 1 Cluster 1
31680	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1	0	30-Jul-21		◆ Désign Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1
31690	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 1	60	30-Jul-21	27-Sep-21	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 1
31700	Advertise Bid Package - CD Digesters Plant 1 Cluster 1	0	28-Sep-21	1	
82840	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 1	0			♦ Advertise Bid Package - CD Digesters Plant 1 Gluster 1
31710	Bid Solicitation Period - CD Digesters Plant 1 Cluster 1	60	******	26-Nov-21	◆ EPA Start Date for Procurement: - CD Digesters Plant 1 Cluster:1
31720	Bids Due - CD Digesters Plant 1 Cluster 1	0		20110721	Bid Solicitation Period - CD Digesters Plant 1 Cluster 1
31720	•	30		26 Doc 21	◆ Bids Due - CD Digesters Plant 1 Cluster 1
	Bid Review Period - CD Digesters Plant 1 Cluster 1	0	∠1-INUV-∠ I	26-Dec-21	□ Bid Review Period - CD Digesters Plant 1, Cluster 1
31740	Award Recommendation - CD Digesters Plant 1 Cluster 1	-		26-Dec-21	◆ Award Recommendation - CD Digesters Plant 1 Cluster 1
11430	Procurement - CD Digesters Plant 1 Cluster 1	270		25-Apr-22	Procurement - CD Digesters Plant 1 Cluster 1
31750	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 1	120	27-Dec-21	25-Apr-22	Final Approvals (BCQ, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 1
81010	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 1	0		04-Nov-22*	◆ EPA Compliance Date for Procurement - CD Digesfers Plant 1 Cluster 1
struction		785	26-Apr-22	18-Jun-24	▼ 18-Jún-24, Construction
11538	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 1	0	26-Apr-22		◆ Contractor Notice to Proceed (NTP) - CD Digesters Plant 1: Cluster 1
82850	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 1	0	05-Nov-22*		◆ EPA Start Date for Construction - CD Digesters Plant 1 Cluster 1
11540	Construction - CD Digesters Plant 1 Cluster 1	592	26-Apr-22	08-Dec-23	Construction - CD Digesters Plant 1
011620	Substantial Completion (CD Compliance Date 6/18/24) - CD Digesters Plant 1 Cluster 1	0		08-Dec-23*	1 : : : : : : : : : : 1 : : : : : : : :
¥0120	Project Closeout - CD Digesters Plant 1 Cluster 1	90	09-Dec-23	07-Mar-24*	◆ Substantial;Completion (CD Compliance Date 6/)
081020	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 1	0	00 20020	18-Jun-24*	Project Closeout - CD Digesters Plant 1 Ou
ject Administration	· · · · · · · · · · · · · · · · · · ·	1320	27-Jul-20	07-Mar-24	● EPA Compliance Date for Constructi ▼ 07-Mar-24, Project Administration
34070	WASD Project Administration - CD Digesters Plant 1 Cluster 1	1320		07-Mar-24	1
.2 Cluster 2	The Propertion and Control of England Properties	3234		19-Jan-26	:WASD Project Administration + CD Digester
Design		789		27-Jul-20	▼ 27-Jul-20, Pre-Design
086150	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1	0	•	27-301-20	1
011322	Pre-Design - CD Digesters Plant 1 Cluster 2	28	•	27-Jul-20	◆ Respond to EPA re. Project Repurposing - CD Digesters Plant1 Cluster 1
ineering Design	Tro-besign - Ob bigesters Frank T Oldster 2	679	28-Jul-20	06-Jun-22	Pre-Design - CD Digesters Plant 1. Guster 2 06-Jun-22, Engineering Design
21380	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 2	29		25-Aug-20	
21390		59		23-Oct-20	☐ Basis of Design Report (BODR) - CD Digesters Plant 1 Çluster 2
	30% Design Submittal - CD Digesters Plant 1 Cluster 2				30% Design Submittal - CD Digesters Plant 1:Cluster 2
21400	30% Design Review - CD Digesters Plant 1 Cluster 2	14	24-Oct-20	06-Nov-20	□ 30% Design Review - CD Digesters Plant 1 Cluster;2
21410	60% Design Submittal - CD Digesters Plant 1 Cluster 2	49		25-Dec-20	60% Design Submittal - CD Diggesters Plant 1 Cluster 2
21420	60% Design Review - CD Digesters Plant 1 Cluster 2	14	26-Dec-20	08-Jan-21	□ 60% Design Review - CD Digesters Plant 1 Cluster 2
21430	100% Design Submittal - CD Digesters Plant 1 Cluster 2	80	09-Jan-21	29-Mar-21	100% Design Submittal - CD Digesters Plant 1 Cluster 2
11440	Engineering Design - CD Digesters Plant 1 Cluster 2	275	28-Jul-20	28-Apr-21	Engineering Design - CD Digesters Plant 1 Cluster 2
40400	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 2	30	30-Mar-21	28-Apr-21	100% Design Review/Permit Ready Submittal - CD/Digesters Plant 1 Cluster 2
82860	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0	01-Dec-21*		
81030	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0		06-Jun-22*	◆ EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 2
nitting	, , , , , , , , , , , , , , , , , , , ,	769	29-Apr-21	06-Jun-23	◆ EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 2
11470	Permitting - CD Digesters Plant 1 Cluster 2	149		24-Sep-21	Permitting -:CD Digesters Plant 1 Cluster 2
82870	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 2	0	· '	·	
81040	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 2	0	5. 0dii-22	06-Jun-23*	◆ EPA \$tart Date for Permitting - CD Digesters Plant 1 Cluster 2
	ELA COMPIGNICE DATE DE L'EMMENY - CO DIGESTEIS FIGHT I CUSTEI 2	-	2F Cor 04		◆ EPA Compliance Date for Permitting - CD Digesters Plant 1 C
eurement 84060	Internal Rid Package Review - CD Dispersors Plant 1 Chester 2	985		05-Jun-24 27-Sep-21	1
84060	Internal Bid Package Review - CD Digesters Plant 1 Cluster 2	-		21-3ep-21	t Internal Bid Package Review - CD Digesters Plant 1 Quster 2
31760	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 2	0		00.11 -:	◆ Design Documents Sent to Procurement - CD Digesters Plant 1 Quster 2
31770	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 2	60	•	26-Nov-21	Submit/Apptove SBD Gdals and Request to Advertise -CD Digesters Plant 1 Cluster 2
31780	Advertise Bid Package - CD Digesters Plant 1 Cluster 2	0	-		◆ Advertise Bid Package - CD Digesters Plant 1 Cluster 2
31790	Bid Solicitation Period - CD Digesters Plant 1 Cluster 2	60	27-Nov-21	25-Jan-22	□□ Bid Solicitation Period - CD Digesters Plant 1 Cluster 2
31800	Bids Due - CD Digesters Plant 1 Cluster 2	0	26-Jan-22		◆ Bids Due - CD Digesters Plant 1 Cluster 2
31810	Bid Review Period - CD Digesters Plant 1 Cluster 2	30	26-Jan-22	24-Feb-22	□ Bid Review Period - CD Digesters Plant 1 Cluster 2
31820	Award Recommendation - CD Digesters Plant 1 Cluster 2	0		24-Feb-22	
11550	Procurement - CD Digesters Plant 1 Cluster 2	270	28-Sep-21	24-Jun-22	◆ Award Recommendation - CD Digesters Plant 1 Cluster 2 Procurement - CD Digesters Plant 1
31830	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 2	120	·	24-Jun-22	1
82880	., , , , , , , , , , , , , , , , , , ,	0		27-JUITZZ	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 2
UZ OOU	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 2	-	07-Jun-23*	05 1: 24*	◆ EPA Start Date for Procurement - CD Digesters Plant 1; Cluste
				05-Jun-24*	▲ FDA Compliance Date the Decision of
81050	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 2	0	4414 := 1		▼:PA compliance Late for Procureing
	Construction - CD Digesters Plant 1 Covers Demolition	3234 365		19-Jan-26 24-Jun-18 A	◆ EPA Compliance Date för Procureme

	ree Schedule - June 2020 Update				Baseline (By Phase)	15-Jul-20 14:52 - Page No. 21 of 43
ctivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020	2021 2022 2023 2024 2025 2026 33 Q4 Q1 Q2 Q3 Q4 Q1 Q2
CD11610	Construction - CD Digesters Plant 1 Cluster 2	593	25-Jun-22	07-Feb-24	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q	Construc
CD11680	Substantial Completion (CD Compliance Date 1/19/26) - CD Digesters Plant 1 Cluster 2	0		07-Feb-24*		◆ Substantial Completion (CD Compliance Date 1/19/26) -
CD40130	Project Closeout - CD Digesters Plant 1 Cluster 2	90	08-Feb-24	07-May-24*		Project Closeout - CD Digesters Plant 1 Cluster 2
CD82890	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 2	0	06-Jun-24*			◆ EPA Start Date for Construction - CD Digesters F
CD81060	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 2	0		19-Jan-26*		
Project Administration CD34080	WASD Project Administration - CD Digesters Plant 1 Cluster 2	1380 1380	28-Jul-20 28-Jul-20	07-May-24 07-May-24	-	
2.15 Digesters Plant		3295	11-Jun-14 A	18-Jun-23		. WASD Project Administration - CD Digesters Plant. ▼ 18-Jun-23, 2:15 Digesters Plant 2
2.15.1 Cluster 1		3295	11-Jun-14 A	18-Jun-23		▼ 18-Jun-23,2.15.1 Cluster 1
Engineering Design		505	11-Jun-14 A	29-Oct-15 A		
CD82900	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 1	0	11-Jun-14 A			
CD21750	30% Design and Final BODR Submittal - CD Digesters Plant 2 Cluster 1	314		20-Apr-15 A	uster 1	
CD21760	30% Design Review - CD Digesters Plant 2 Cluster 1	4	20-Apr-15 A	23-Apr-15 A		
CD20130 CD20170	NTP for Remaining Design - CD Digesters Plant 2 Cluster 1	0		14-Aug-15 A	-	
CD20170	60% Design Submittal - CD Digesters Plant 2 Cluster 1 60% Design Review - CD Digesters Plant 2 Cluster 1	13	· ·	26-Aug-15 A	-	
CD20190	100% Design Submittal - CD Digesters Plant 2 Cluster 1	34		29-Sep-15 A		
CD10030	Engineering Design - CD Digesters Plant 2 Cluster 1	475		29-Sep-15 A	1	
CD81070	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 1	0		29-Oct-15 A	Digesters Plant 2 Cluster 1	
Permitting		329	30-Sep-15 A	24-Aug-16 A	and the contract of the contra	
CD82910	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 1**	0	30-Sep-15 A		Juster 1**	
CD80100	FDEP Permit - CD Digesters Plant 2 Cluster 1	169	30-Sep-15 A	16-Mar-16 A	lr1	
CD81080	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 1**	0	20.0 45.4	27-Mar-16 A	Digesters Plant 2 Cluster 1**	
CD10110 CD80110	Permitting - CD Digesters Plant 2 Cluster 1 City of Miami Building Permit - CD Digesters Plant 2 Cluster 1	330 234	30-Sep-15 A 04-Jan-16 A	24-Aug-16 A 24-Aug-16 A	2 Cluster 1	
Procurement	City of Milatrii Building Permit - CD Digesters Plant 2 Cluster 1	870		31-Dec-16 A	D Digesters Plant 2 Cluster 1.	
CD12171	Owner Pre-Purchase Digester Cover (1) - CD Digesters Plant 2 Cluster 1	222	14-Aug-14 A	23-Mar-15 A		
CD82920	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 1	0			sters Plant 2 Cluster 1	
CD30610	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 1	0	27-Apr-16 A		t - CD Digesters Plant 2 Cluster 1	
CD30620	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 1	72	27-Apr-16 A	07-Jul-16 A	equest to Advertise - CD Digesters Plant 2 Cluster 1	
CD30630	Advertise Bid Package - CD Digesters Plant 2 Cluster 1	0			ers Plant 2 Cluster 1	
CD30640	Bid Solicitation Period - CD Digesters Plant 2 Cluster 1	46	08-Jul-16 A	22-Aug-16 A	sters Plant 2 Cluster 1	
CD30650	Bids Due - CD Digesters Plant 2 Cluster 1	0	3	40.0-440.4	Cluster 1	
CD30660 CD30670	Bid Review Period - CD Digesters Plant 2 Cluster 1 Award Recommendation - CD Digesters Plant 2 Cluster 1	58	23-Aug-16 A	19-Oct-16 A 19-Oct-16 A	sters Plant 2 Cluster 1	
CD10120	Procurement - CD Digesters Plant 2 Cluster 1	181	27-Apr-16 A	24-Oct-16 A	D Digesters Plant 2 Cluster 1 sters Plant 2 Cluster 1	
CD30680	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 1	5	20-Oct-16 A	24-Oct-16 A		
CD81090	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 1	0		31-Dec-16 A	r, Risk Mgmt.) - CD Digesters Plant 2 Cluster 1 for Procurement -: CD Digesters Plant 2 Cluster 1	
Construction		3010	23-Mar-15 A	18-Jun-23	of Financial C Springes as Fair 2 Gustar 1.	▼, 18-Jun-23, Construction
CD30260	Construction of Digester Cover (1) - CD Digesters Plant 2 Cluster 1	217	23-Mar-15 A	25-Oct-15 A	nt 2 Cluster 1	
CD82930	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 1	0	<u> </u>		on - CD Digesters Plant 2 Cluster 1	
CD10378	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 1		31-Oct-16 A	20.1	ed (NTP) - CD Digesters Plant 2 Cluster 1	
CD10380 CD40810	Construction - CD Digesters Plant 2 Cluster 1 Construction (Remaining Scope) - CD Digesters Plant 2 Cluster 1	1128 540	23-Mar-15 A 31-Oct-16 A	08-Apr-21 08-Apr-21		Construction - CD Digesters Plant 2 Cluster 1
CD86310	Commissioning - CD Digesters Plant 2 Cluster 1	14	26-Mar-21	08-Apr-21		Construction (Remaining Scope) - CD Digesters Plant 2 Cluster 1
CD10770	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 1	0		08-Apr-21*		Commissioning - CD Digesters Plant 2 Cluster 1
CD40140	Project Closeout - CD Digesters Plant 2 Cluster 1	60	09-Apr-21	07-Jun-21*		 Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 1 Project Closeout - CD Digesters Plant 2 Cluster 1
CD81100	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 1	0		18-Jun-23*		FPA Compliance Date for Construction - CD Directors Plant 2 Cluster 1
Project Administration		1483	11-Jun-14 A	07-Jun-21		▼ 07-Jun-21, Project Administration
CD34090	WASD Project Administration - CD Digesters Plant 2 Cluster 1	1483	11-Jun-14 A	07-Jun-21		WASD Project Administration - CD Digesters Plant 2 Cluster 1 √ 18-Jun-23, 2.15.2 Cluster 2
2.15.2 Cluster 2		3104 495		18-Jun-23 27-Apr-16 A		To Journey, Z. 13.2 Glustel 2
Pre-Design CD12181	Pre-Design - CD Digesters Plant 2 Cluster 2	137	19-Dec-14 A 19-Dec-14 A	04-May-15 A	1	
CD41120	Negotiate Scope & Fee for Balance of Design - CD Digesters Plant 2 Cluster 2	167	13-Nov-15 A	27-Apr-16 A	Design - CD Diggesters Plant 2 Chiefor 2	
Engineering Design		1337	04-May-15 A	07-Dec-18 A	Design - CD Digesters Plant 2 Cluster 2 07-Dec-18 A, Engineering Design	
CD20200	Basis of Design Report (BODR) - CD Digesters Plant 2 Cluster 2	100	•	12-Aug-15 A	ister 2	
CD20210	BODR Review Period - CD Digesters Plant 2 Cluster 2	14	13-Aug-15 A	26-Aug-15 A		
CD20260	100% Design Submittal - CD Digesters Plant 2 Cluster 2	52	•	18-Jun-16 A	ers Plant 2 Cluster 2	
CD10390	Engineering Design - CD Digesters Plant 2 Cluster 2	478	•	23-Aug-16 A	Engirleering Design - CD Digesters Plar	nt Z Cluster 2
CD40450 CD82940	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 2 EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 2	66	19-Jun-16 A 10-Jan-18 A	23-Aug-16 A	ady Submittal - CD Digesters Plant 2 Cluster 2	
CD81110	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 2	0	.o oair-io A	07-Dec-18 A	EPA Start Date for Engineering Design - CD Digesters Plant 2	
Permitting	,	1224	24-Aug-16 A	07-Dec-19 A	◆ EPA Compliance Date for Engineering 07-Dec-19 Å, F	pesign - sur uiges (ers Platti z Uustet 2) ermit ting;
CD82300	DERM Permit - CD Digesters Plant 2 Cluster 2	21		13-Sep-16 A	lant 2 Cluster 2	
CD10540	Permitting - CD Digesters Plant 2 Cluster 2	339		28-Jul-17 A		Digesters Plant 2 Cluster 2
CD82310	City of Miami Permit - CD Digesters Plant 2 Cluster 2	318	· · · · · · · · · · · · · · · · · · ·	28-Jul-17 A	ami Permit - CD Digesters Plant 2 Cluster 2	
CD82950	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 2	0	08-Dec-18 A	07.7	◆ EPA Start Date for Permitting - CD Dige	sters Plant 2 Cluster 2
CD81120	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 2	1412	24 lon 47 A	07-Dec-19 A	◆ EPA Complan	ce Date for Permitting - CD Digesters Plant 2 Cluster;2
Procurement CD84210	GMOU submittal and approval - CD Digesters Plant 2 Cluster 2	1413	24-Jan-17 A 24-Jan-17 A	06-Dec-20 13-Feb-17 A		4 100 200 Eur, roughment
CD84070	Internal Bid Package Review - CD Digesters Plant 2 Cluster 2	11	14-Jul-17 A	24-Jul-17 A	d approval - CD Digesters Plant 2 Cluster 2	
CD31840	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 2	0			id Package Review - CD Digesters Plant 2 Cluster 2 ocuments Sent to Procurement - CD Digesters Plant 2 Cluster 2	
		475		04 1 40 4	Pourrients Sent to Frocurentent - OD Didesters Plant 2 Cluster 2	
CD31850	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 2	175	25-Jul-17 A	04-Jan-18 A	Submit/Approve SBD Goals and Request to Advertise - CD Did	resters Plant 2 Cluster 2

	Activity Name	Original	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025
		Duration	J.C.I.		Q1 Q2 Q3 Q4 Q1 Q2 Q1 Q2 Q1 Q4 Q1 Q2 Q1 Q2 Q1 Q1 Q2 Q1 Q1 Q2 Q1 Q1
CD31870	Bid Solicitation Period - CD Digesters Plant 2 Cluster 2	60	05-Jan-18 A	22-Feb-18 A	1
CD31880	Bids Due - CD Digesters Plant 2 Cluster 2	0	23-Feb-18 A		Bid Solicitation Period - CD Digesters:Plant 2 Cluster 2
D31890	Bid Review Period - CD Digesters Plant 2 Cluster 2	41		18-May-18 A	♦ Bids Due - CD Digesters Plant 2 Cluster 2
D31900	Award Recommendation - CD Digesters Plant 2 Cluster 2	0	201001071	18-May-18 A	Bid Relview Period - CD Digesters Plant 2 Cluster 2
	•		05 1-147 4	-	◆ Award Recommendation - CD Digesters Plant 2 Quster 2
D10760	Procurement - CD Digesters Plant 2 Cluster 2	385		09-Jul-18 A	Procurement - CD Digesters Plant 2 Cluster 2
031910	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2	89	19-May-18 A	09-Jul-18 A	Final Approvals (BCC, Mayor, Risk:Mgmt.) - CD Digesters Plant 2 Cluster 2
082960	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2	0	08-Dec-19 A		◆ EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2
081130	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2	0		06-Dec-20*	A EPA Compliance Date for Brokenment CD Direction Plant 2 Cluster 2
nstruction	<u> </u>	1805	10-Jul-18 A	18-Jun-23	◆ EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2 18-Jun-23, Construction
D10978	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2	0		10 00.120	1 : : : : : : : : : : :
082970	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2	0			◆ Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2
	·				◆ EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2
010980	Construction - CD Digesters Plant 2 Cluster 2	450	10-Jul-18 A	09-Oct-21	Construction - CD Digesters Plant 2 Cluster 2
086320	Commissioning - CD Digesters Plant 2 Cluster 2	14	26-Sep-21	09-Oct-21	☐ Commissioning - CD Digesters Plant 2 Cluster 2
D11170	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 2	0		09-Oct-21*	♦ Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 2
40150	Project Closeout - CD Digesters Plant 2 Cluster 2	60	10-Oct-21	08-Dec-21*	
081140	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 2	0		18-Jun-23*	Project Closeout - CD Digestets Plant 2 Cluster 2
	ELTY COMPILATION DATE FOR CONTRIBUTION OF DISCOUNT FAMILY GRANDING	-	OF Movide A		● EPA Compliance Date for Construction - CD Digesters Plant 2 ▼ 08-Dec-21, Project Administration
ect Administration	W4 0D D : 4 A L : 1 4 5 0D D: 4 DI 4 0 0 4 4 0	1837		08-Dec-21	
34100	WASD Project Administration - CD Digesters Plant 2 Cluster 2	1837	05-May-15 A	08-Dec-21	WASD Project Administration - CD Digesters Plant 2 Cluster 2
3 Cluster 3		2623	13-Apr-16 A	18-Jun-23	
Design		483	13-Apr-16 A	09-Aug-17 A	17 A, Pre-Design
12191	Pre-Design - CD Digesters Plant 2 Cluster 3	484	13-Apr-16 A	09-Aug-17 A	Knn - CD Directors Plant 2 Cluster 3
neering Design		509		07-Dec-18 A	gn CD Digesters Plant 2 Cluster 3. v:07-Dec-18 A, Engineering Design
34250	Field Investigations - CD Digesters Plant 2 Cluster 3	31	-	08-Sep-17 A	
	· ·			55 50p-17 A	nvestigations - CD Digesters Plant 2 Cluster 3
32980	EPA Start Date for Design - CD Digesters Plant 2 Cluster 3	0		05 1 1 1	▶ EPA Start Date for Design - CD Digesters Plant 2 Cluster 3
34260	100% Design Submittal - CD Digesters Plant 2 Cluster 3	47	11-Sep-17 A	25-Jan-18 A	100% Design Submittal - QD Digesters Plant 2 Cluster 3
10300	Engineering Design - CD Digesters Plant 2 Cluster 3	203	09-Aug-17 A	14-Mar-18 A	Engineering Design - Ct Digesters Plant 2 Cluster 3
40460	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	22	26-Jan-18 A	14-Mar-18 A	100% Design Review/Permit Ready/Submittal - CD Digesters Plant'2 Cluster 3
81150	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3	0		07-Dec-18 A	
		856	14-Mar-18 A	14-Sep-20	◆ EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3. ▼ 14-Sep-20, Permitting
nitting	DEDM Pomit CD Discotom Plant 2 Chiefer 2				1
85800	DERM Permit - CD Digesters Plant 2 Cluster 3	180		13-Apr-18 A	DERM Permit - CD Digesters Plant 2 Cluster 3
82990	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3	0	08-Dec-18 A		◆ EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3
10400	Permitting - CD Digesters Plant 2 Cluster 3	0	14-Mar-18 A	01-Apr-19 A	Permitting CD Digesters Plant 2 Cluster 3
35810	City of Miami Building Permit - CD Digesters Plant 2 Cluster 3	90	14-Apr-18 A	01-Apr-19 A	City of Miàmi Building Permit - CD Digesters Plant 2 Cluster 3
81670	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3	0		07-Dec-19 A	1 : : : : : : : : : : : : : : : : : : :
087310	, ,		15-Jul-20*		◆ EPA Compl <mark>a</mark> nce Date for Permitting - CD Digesters Plant 2 Cluster 3
	Re-Permitting - CD Digesters Plant 2 Cluster 3	62		14-Sep-20	Re-Permitting - CD Digesters Plant 2 Cluster 3. T3-Feb-21, Procurement
curement		749		13-Feb-21	IS-reo-21, roculement
084080	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	31	08-Dec-18 A	22-Jan-19 A	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3
031920	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3	0	31-Jan-19 A		◆ Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3
031930	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3	60	31-Jan-19 A	03-Apr-19 A	
31940	Advertise Bid Package - CD Digesters Plant 2 Cluster 3	0			Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3
087200	<u> </u>	-			♦ Advertise Bid Package - CD Digesters Plant 2 Cluster 3
	Bid Postponement - CD Digesters Plant 2 Cluster 3		13-May-19 A		♦ Bid Postponement - CD Digesters Plant 2 O(uster β
083000	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3	0	08-Dec-19 A		◆ EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3
087220	Revised Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	60	12-Mar-20 A	29-Mar-20 A	Revised Internal Bid Package Review - CD Digesters Plant 2 Cluster 3
87230	Design Documents Sent to Procurement (Re-bid) - CD Digesters Plant 2 Cluster 3	0	30-Mar-20 A		◆ Design Documents Sent to Procurement (Re-bid) - CD Digesters Plant 2 Cluster 3
87240	Submit/Approve SBD Goals and Request to Advertise (Re-bid) - CD Digesters Plant 2 Cluster 3	60		02-Aug-20	
				52 / lug-20	Submit/Approve SBD Goals and Request to Advertise (Re-bid) CD Digesters Plant 2 Cluster 3
87250	Advertise Bid Package (Re-bid) - CD Digesters Plant 2 Cluster 3	0			◆ Advertise Bid Packape (Re-bid) - CD Dipesters Plant 2 Cluster 3
31950	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3	60	0	01-Oct-20	Bid Solicitiation Period - CD Digesters Plaint 2 Cluster 3
31960	Bids Due - CD Digesters Plant 2 Cluster 3	0	02-Oct-20		♦ Bids Due - CD Digesters Plant 2 Cluster 3
31970	Bid Review Period - CD Digesters Plant 2 Cluster 3	30	02-Oct-20	31-Oct-20	1
31980	Award Recommendation - CD Digesters Plant 2 Cluster 3	0	-	31-Oct-20	□ Bid Review Period - CD Digesters Plant 2 Cluster 3
	-	0		06-Dec-20*	◆ Award Recommendation - CD Digestets Plant 2 Cluster 3
31170	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 3		04 ! ::::		
10640	Procurement - CD Digesters Plant 2 Cluster 3	268		13-Feb-21	Procurement - CD Digesters Plant 2 Gluster 3
31990	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3	105	01-Nov-20	13-Feb-21	. Final Approvals (BQC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3. 18-Jun-23, Construction
truction		924	07-Dec-20	18-Jun-23	▼ 18-Jun-23, Construction
33010	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3	0	07-Dec-20*		◆ EPA \$tart Date for Construction - CD Digesters Plant 2 Cluster 3
10878	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3	0	09-Apr-21		
10880	Construction - CD Digesters Plant 2 Cluster 3	550		10-Oct-22	♦ Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3
	·		•		Construction - CD Digesters Plant 2 Cluster 3
86330	Commissioning - CD Digesters Plant 2 Cluster 3	30	11-Sep-22	10-Oct-22	□ Commissioning - CD Digesters Plant 2 Cluster 3
11140	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 3	0		10-Oct-22*	♦ Substantial Completion (CD:Compliance Date 6/18/23) - CD Digesters Plant 2
40160	Project Closeout - CD Digesters Plant 2 Cluster 3	90	11-Oct-22	08-Jan-23*	Project Closeout - CD Digesters Plant 2 Cluster 3
31180	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 3	0		18-Jun-23*	1 ; ; ; ; ; ; ; ; 1 ; ; ; ; ; ; ; ; ; ;
ct Administration		1245	09-Aug-17 A	08-Jan-23	
34110	WASD Project Administration - CD Digestors Plant 2 Chaster 3	1245		08-Jan-23	
	WASD Project Administration - CD Digesters Plant 2 Cluster 3				WASD Project Administration - CD Digesters Plant 2 Cluster 3
4 Cluster 4		0		28-Jul-16 A	<u> </u>
Design		0	28-Jul-16 A	28-Jul-16 A	
37020	Child Project Deleted as approved by EPA	0		28-Jul-16 A	I DV EPA
Dewatering Buil	lding	3067	02-Feb-15 A	26-Jun-23	▼ 26-Jun-23, 2.16 Dewatering Building
	•	86		29-Apr-15 A	<u>┣</u>
Design 12211	Pro Docigo - CD Dowatarina Buildina			· · · · · · · · · · · · · · · · · · ·	
12211	Pre-Design - CD Dewatering Building	87		29-Apr-15 A	Iza kanting hard
neering De sign		824	•	01-Aug-17 A	7 A, En ginéering Design
21180	Basis of Design Report (BODR) - CD Dewatering Building	237	30-Apr-15 A	22-Dec-15 A	Building
21190	BODR Review Period - CD Dewatering Building	36	23-Dec-15 A	27-Jan-16 A	
21100					
10170	Engineering Design - CD Dewatering Building	335	30-Apr-15 A	29-Mar-16 A	fing Design - CD Dewatering Building

J CONSCIN DCC	ree Schedule - June 2020 Update			. ,	aseline (By Phase) 15-Jul-20 14:52 - Page No. 23
	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 CA COLOR
D32720	Design Criteria Package Initial Submittal - CD Dewatering Building	90	28-Jan-16 A	26-Apr-16 A	Gr U2 U3 U4 U1 U2 U3 U1 U1 U1 U1 U1 U1 U1
D32720 D32740	, ,				- CD:Dewatering Building
	DCP Design Review - CD Dewatering Building	23		19-May-16 A	Building
D83060	EPA Start Date for Engineering Design - CD Dewatering Building	0		07.0 + 40.4	n - CD Dewatering Building
D33660	Pilot Testing of Thickening Process - CD Dewatering Building	298		27-Oct-16 A	Process - CID Dewlatering Building
D32760	Final DCP Submittal - CD Dewatering Building	188	20-May-16 A	23-Nov-16 A	Dewaltering Building
D81390	EPA Compliance Date for Engineering Design - CD Dewatering Building	0		01-Aug-17 A	npliance Date for Engineering Design - CD Dewatering Building. OS-Mar-20 A, Permitting
rmitting		1217	29-Jan-16 A	05-Mar-20 A	▼ 05-Mair-20 A, Permitting
D32780	FDEP Permit - CD Dewatering Building	126	29-Jan-16 A	02-Jun-16 A	g
D87150	FDEP Permit (Revised BODR) - CD Dewatering Building	60	19-Mar-19 A	05-Mar-20 A	FDEF Permit (Revised BODR) - CD Dewatering Building
ocurement		1624	29-Mar-16 A	03-Jul-20	03-Jul-20/, Procurement
D33520	RDBS Sent to Procurement - CD Dewatering Building	0	29-Mar-16 A		ing Building
D33530	Submit/Approve SBD Goals and Request to Advertise - CD Dewatering Building	113	29-Mar-16 A	19-Jul-16 A	tequest to Advertise - CD Dewatering Building
:D33540	Advertise RDBS - CD Dewatering Building	0	20-Jul-16 A		
D33550	Request for Qualifications - CD Dewatering Building	59		16-Sep-16 A	Building
D33560	Qualifications Package Due - CD Dewatering Building	0		10 CCP 1071	Dewatering Building
			·	40 D 40 A	DD Dewatering Building
D33570	Qualification Review Period - CD Dewatering Building	91	17-Sep-16 A	16-Dec-16 A	iod - CD Dewatering Building
D33580	Shortlist Published - CD Dewatering Building	0		16-Dec-16 A	Dewalterino(Buildina
D33590	Request for Proposals - CD Dewatering Building	101		04-May-17 A	pposáls - CD Dewatering Building
D33600	Proposals Due - CD Dewatering Building	0	05-May-17 A		- CD Dewatering Building
033610	Proposal Review Period & Oral Presentations - CD Dewatering Building	112	05-May-17 A	24-Aug-17 A	al Review Period & Oral Presentations - CD Dewatering Building
033620	Award Recommendation - CD Dewatering Building	0	25-Aug-17 A		Recommendation - CD Dewafering Building
033630	Contract Negotiations - CD Dewatering Building	53	_	17-Nov-17 A	
33640	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Dewatering Building	79	_	01-May-18 A	ontract Negotiations - CD Dewatering Building
086130	Bid Cancellation - CD Dewatering Building	0		30-May-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Dewatering Building
	•	-	11_May=19 A	-	◆ Bid Cancellation - CD Dewatening Building
986190	TA Re-Negotiation and Approval - CD Dewatering Building	60	,	23-Jul-18 A	TA, Re-Negotiation and Approval -CD Dewatering Building
083080	EPA Start Date for Procurement - CD Dewatering Building	0			◆ EPA Start Date for Procurement - CD Dewate ring Building
086790	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	28-Aug-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments
86800	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40	19-Sep-18 A	08-Nov-18 A	Submit approved Review Item to SBD Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB
86810	Project Advertisement (after signed RTA) - CD Dewatering Building	0		08-Nov-18 A	◆ Project 'Advertisement (after signed RTA) - CD Dewatering Building
86840	Select and Approve Competitive Selection Committee (CSC) - CD Dewatering Building	40	19-Sep-18 A	04-Jan-19 A	
86820	Step 1 - Submittal Due Date - CD Dewatering Building	40	·	11-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - CD Dewatering Building
86830	Step 1 - Qualifications Evaluation/Meeting - CD Dewatering Building	30		06-Mar-19 A	Step 1 - Submittal Due Date - CD Dewatering Building
					Step 1 - Qualifications Evaluation/Meeting; - CD Dewatering Building
087010	Issue DCP and Request for Proposals - CD Dewatering Building	15		19-Mar-19 A	■ Issue DCP and Request for Proposals - CD Dewlatering Building
086860	Step 2 Submittal Due Date - CD Dewatering Building	54	18-Mar-19 A	10-May-19 A	Step 2 Submittal Due Date - CD Dewatering Building
086880	Step 2 Meeting - CD Dewatering Building	30	10-May-19 A	12-Jun-19 A	Step 2 Meeting - CD Dewatering Building
D86870	Step 2 Proposal Review and Evaluation - CD Dewatering Building	76	11-May-19 A	12-Jun-19 A	Step 2 Proposal Review and Evaluation - CD Dewatering Building
D86890	Negotiation Memo submitted / Approved by WASD Director - CD Dewatering Building	60	13-Jun-19 A	01-Jul-19 A	■ Negotiation Memo submitted / Approved by WASD Director, - CD Dewatering Building
081410	EPA Compliance Date for Procurement - CD Dewatering Building - CD Dewatering Building	0		01-Aug-19 A	
086910	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Dewatering Building	60	02-Jul-19 A	09-Aug-19 A	◆ EPA Compliance Date for Procurement - CD Dewatering Building - CD Dewatering Building
086920	Negotiations Concluded and preparation of final Contract - CD Dewatering Building	162		26-Sep-19 A	Negotiations Commence + Contract provided to Firm (1st meeting) - CD Dewatering Building
			_		Neoptiations Concluded and preparation of final Contract - CD Dewatering Building
086930	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures		27-Sep-19 A	13-Dec-19 A	Contract Executed by Firm and obtain County Attorney. Risk Management and OMB signatures
086940	Submit Contract Award Recommendation/Contract for internal approvals -CD Dewatering Building	21	14-Dec-19 A	28-Feb-20 A	Submit Contract Award Recommen dation/Contract for in ternal approvals - CD Dewa tering Building
086950	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Dewatering Building	62		05-May-20 A	Submit item to Agenda Coordinator for committee & BCC Ratification - CD Dewatering Building
010440	Procurement - CD Dewatering Building	679	29-Mar-16 A	03-Jul-20	Procurement - CD Dewatering Building
85970	Repackage and Rebid Project - CD Dewatering Building	739	09-Aug-18 A	03-Jul-20	Repackage and Rebid Project - CD Dewatering Building
86960	Issue NTP - CD Dewatering Building	59	06-May-20 A	03-Jul-20	ssule NTR - CD Dewatering Building
ign-Build		1396	02-Aug-19 A	26-Jun-23	✓ Z6-Jun-23, Design-Build
83090	EPA Start Date for Construction - CD Dewatering Building	0	02-Aug-19 A		◆ EPA Start Date for Construction - CD Dewatering Building
33650	Design-Builder NTP - CD Dewatering Building	0	06-Jul-20		
32790	Final Engineering by Design-Builder - CD Dewatering Building	300	06-Jul-20	01-May-21	▶ Deşign-Builder NTP - ÇD Dewatering Building
32800	AHJ Permit Review - CD Dewatering Building	180	02-Jan-21	30-Jun-21	Final Erigineering by Design-Builder - CD Dewatering Building
	• •	160	02-0air2 i	13-Jan-23*	AHJ Permit Review - CD Dewatering Building
81420	EPA Compliance Date for Construction - CD Dewatering Building		00 1 1 77		◆ EP/A Compliance Date for Construction -CD Dewatering Building
84780	Design-Builder Contract Duration - CD Dewatering Building	966	06-Jul-20	26-Feb-23	Design-Builder Contract Duration - CD Dewatering Building
10670	Construction - CD Dewatering Building	786	02-Jan-21	26-Feb-23	Construction - CD Dewatering Building
86340	Commissioning - CD Dewatering Building	30	28-Jan-23	26-Feb-23	☐ Commissioning - CD Dewatering Building
11080	Substantial Completion (CD Compliance Date 1/13/23) - CD Dewatering Building	0		26-Feb-23*	
40180	Project Closeout - CD Dewatering Building	120	27-Feb-23	26-Jun-23*	
ect Administration		2086	30-Apr-15 A	26-Jun-23	Project Closeout - CD Dewatering Building. ✓ 26-Jun-23, Project Administration
34130	WASD Project Administration - CD Dewatering Building	2086	30-Apr-15 A	26-Jun-23	. WASD Project Administration - CD Dewatering Building
Chlorination Fa	ncilities	1856	01-Oct-13 A	15-Aug-20	▼ 15-Aug-20, 2.17 Chlorination Facilities
neering Design		836		15-Jan-16 A	
nitting		691	08-Sep-14 A	30-Jul-16 A	
urement		582	16-Nov-15 A	20-Jun-17 A	ng - CD Chlorination Facilities
struction		926		15-Aug-20	15-Aug-20, Construction
10498	Contractor Notice to Proceed (NTP) - CD Chlorination Facilities	920		10 Aug-20	
	, ,	-	·		Chlorination Facilities
83130	EPA Start Date for Construction - CD Chlorination Facilities	0		07.1.1.5.5	- CD Chlorination Facilities
10500	Construction - CD Chlorination Facilities	580		27-Jul-18 A	Construction - CD Chlorination Facilities
86350	Commissioning - CD Chlorination Facilities	30	26-Jun-18 A	27-Jul-18 A	■ Commissioning - CD/Chlorination/Facilities
10700	Substantial Completion (CD Compliance Date 10/15/18) - CD Chlorination Facilities	0		27-Jul-18 A	◆ Substantial Completion (CD Compliance Date 10/15/18) - CD Chlorination Facilities
81460	EPA Compliance Date for Construction - CD Chlorination Facilities	0		15-Oct-18 A	◆ EPA Compliance Date for Construction - CD Chlorination Facilities
40190	Project Closeout - CD Chlorination Facilities	15	11-Aug-18 A	15-Aug-20*	
ect Administration	•	1600		15-Aug-20	Project/Closeout - CD Chilorination Facilities. ✓ 15-Aug-20, Project/Administration
		1600	01-Oct-13 A	15-Aug-20	
34140	WASD Project Administration - CD Chlorination Facilities				WASD.Project Administration - CD Chlorination Facilities.

	Decree Schedule - June 2020 Update				Baseline (By Phase) 15-Jul-20 14:52 - Page No. 24 of
ctivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 20 Q1 Q2 Q3 Q4 Q1
Engineering De sign		985	06-Oct-14 A	17-Jun-17 A	Car
CD10280	Engineering Design - CD Odor Control Systems	541	06-Oct-14 A	29-Mar-16 A	Design - CD Odor Control Systems
CD83140	EPA Start Date for Engineering Design - CD Odor Control Systems	0	01-Oct-16 A		ng Design - CD Odor Control Systems
CD81470	EPA Compliance Date for Engineering Design - CD Odor Control Systems	0		17-Jun-17 A	ance Date for Engineering Design - CD Qdor Control Systems 77-Jun-18 A, Permitting
Permitting	D 197 (D) 00 0 L O (L O)	883	29-Jan-16 A	17-Jun-18 A	
CD10410 CD83150	Permitting (Summary) - CD Odor Control Systems EPA Start Date for Permitting - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A	Permitting (Summany) -CD Odor Control Systems
CD83150 CD81480	EPA Staff Date for Permitting - CD Odor Control Systems EPA Compliance Date for Permitting - CD Odor Control Systems	0	18-Jun-17 A	17-Jun-18 A	ate for Permitting; - CD Odor Control Systems
Procurement	LEA Compliance Date for Fermitting - CD Cool Control Systems	1210	07-Mar-16 A	03-Jul-20	◆ EPA Compliance Date for Permitting - CD Odor Control Systems 7 03 Jul-20, Procurement
CD83160	EPA Start Date for Procurement - CD Odor Control Systems	0	18-Jun-18 A	00 00.20	◆ EPA Start Date for Produrement - CD Odor Control Systems
CD81490	EPA Compliance Date for Procurement - CD Odor Control Systems - CD Odor Control Systems	0		17-Jun-19 A	◆ EPA Compliance; Date for Procurement - CD Odor Control Systems - CD Odor Control Systems
CD10650	Procurement (Summary) - CD Odor Control Systems - CD Odor Control Systems	701	07-Mar-16 A	03-Jul-20	Procurement (Summary) - CD Odor Control Systems - CD Odor Control Systems
Construction		2372	30-Aug-16 A	26-Feb-23	▼ 26-Feb-23, Construction
CD83170	EPA Start Date for Construction - CD Odor Control Systems	0	18-Jun-19 A		◆ EPA Start Date for Construction - CD Odor Control Systems
CD81500	EPA Compliance Date for Construction - CD Odor Control Systems	0		13-Jan-23*	▶ EPA Compliance Date for Construction - CD Odor Control Systems
CD10890	Construction (Summary) - CD Odor Control Systems	1508	30-Aug-16 A	26-Feb-23	Construction (Summary); CD Odor Control Systems
CD11070	Substantial Completion (CD Compliance Date 1/13/23) - CD Odor Control Systems	0	00 0-1 11 1	26-Feb-23*	◆ Substantial Completion (CD Compliance Date 1/13/23) - CD Odor Control 26-Jun-23; Project Administration
Project Administrati CD34150	WASD Project Administration - CD Odor Control Systems	2292 2292	06-Oct-14 A 06-Oct-14 A	26-Jun-23 26-Jun-23	
	ks Odor Controls System (Project 2.03/2.04)	1315	06-Oct-14 A	11-Sep-19 A	WASD Project Administration - CD Odor Control Systems (Project 2,03/2,04) ■ WASD Project Administration - CD Odor Control Systems.
Engineering De sign		479	06-Oct-14 A	28-Jan-16 A	
CD21270	Engineering Design (Headworks) - CD Odor Control Systems	480	06-Oct-14 A	28-Jan-16 A	ontrol Systems.
Permitting		189	29-Jan-16 A	05-Aug-16 A	
CD40410	Permitting (Headworks) - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A	r.Corttrol Systems
Procurement	December 4 had a second of the	175	07-Mar-16 A	29-Aug-16 A	
CD32250	Procurement (Headworks) - CD Odor Control Systems	176	07-Mar-16 A	29-Aug-16 A	Odor Control Systems 11-Sep-19 A, Construction
Construction CD40430	Construction (Headworks) - CD Odor Control Systems	560 560	30-Aug-16 A 30-Aug-16 A	11-Sep-19 A 11-Sep-19 A	
Project Administrati	·	621	06-Oct-14 A	11-Sep-19 A	Construction (Headworks), - CD Odor Control Systems .
CD85200	WASD Project Administration - CD Odor Control Systems	621	06-Oct-14 A	11-Sep-19 A	7 : : : : : : : : : : : : : : : : :
2.18 (2) Dewaterin	ng Odor Control System (Project 2.16)	2979	01-May-15 A	26-Jun-23	WA SD Project Administration - CD Odor Control Systems ▼ 26-Jun-23, 2.18 (2) Dewatering Odor Control System (Project 2.16)
Engineering De sign		333	01-May-15 A	29-Mar-16 A	
CD21290	Engineering Design (Dewatering) - CD Odor Control Systems	334	01-May-15 A	29-Mar-16 A	or Control Systems
Procurement		679	29-Mar-16 A	03-Jul-20	03-Jul-20, Procurement
CD32270	Procurement (Dewatering) - CD Odor Control Systems	679	29-Mar-16 A	03-Jul-20	Propurement (Dewatering) - CD Odor Control Systems 26-Jun-23, Construction
Construction	Final Facines via a by Design Builday CD Oder Control Contage	1086	06-Jul-20	26-Jun-23	26-Juli-23, Constitution
CD85980 CD85990	Final Engineering by Design-Builder - CD Odor Control Systems AHJ Permit Review - CD Odor Control Systems	300	06-Jul-20 02-Jan-21	01-May-21 30-Jun-21	Final Erigineering by Design-Builder - CD Odor Control Systems
CD40440	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems	966	06-Jul-20	26-Feb-23	AHJ Permit Review - CD Odor Control Systems
CD86000	Construction - CD Odor Control Systems	786	02-Jan-21	26-Feb-23	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems
CD40200	Project Closeout - CD Odor Control Systems	120	27-Feb-23	26-Jun-23*	Constituction - CD Odor Control Systems
Project Administrati	tion	818	01-May-15 A	26-Jun-23	Project Claseout - CD Odor Control Systems. 26-Jun-23; Project Administration
CD85210	WASD Project Administration - CD Odor Control Systems	818	01-May-15 A	26-Jun-23	. WASD Project Administration - CD.Odor Control Systems.
2.19 Co-Gen Imp	provements	3225	22-Nov-12 A	07-Jul-21	▼ 07-Jul-21, 2.19 Co-Gen Improvements
Engineering De sign	n	1453	22-Nov-12 A	14-Nov-16 A	Design
CD83180	EPA Start Date for Engineering Design - CD Co-Gen Improvements	0	01-May-14 A		
CD10140	Engineering Design - CD Co-Gen Improvements	1440	22-Nov-12 A	31-Oct-16 A	Do-Gein Implovements
CD81510	EPA Compliance Date for Engineering Design - CD Co-Gen Improvements	0	4014 404	14-Nov-16 A	Engineering Design - CD, Co-Gen Improvements ep-17 A Permitting
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CD10470	Permitting - CD Co-Gen Improvements	1607	12-Mar-13 A	04-Aug-17 A	hitting - CD Co-Geh Improvements
CD81520	EPA Compliance Date for Permitting - CD Co-Gen Improvements	0	12 11101 1071	29-Sep-17 A	↑ ``
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CD81530	EPA Compliance Date for Procurement - CD Co-Gen Improvements	0		30-Mar-18 A	◆ EPA Compliance Date for Procurement - CD Co-Gen Improvements
CD10480	Procurement - CD Co-Gen Improvements	1426	12-Mar-14 A	29-Nov-18 A	Procurement - CD/Co-Gen Improvements
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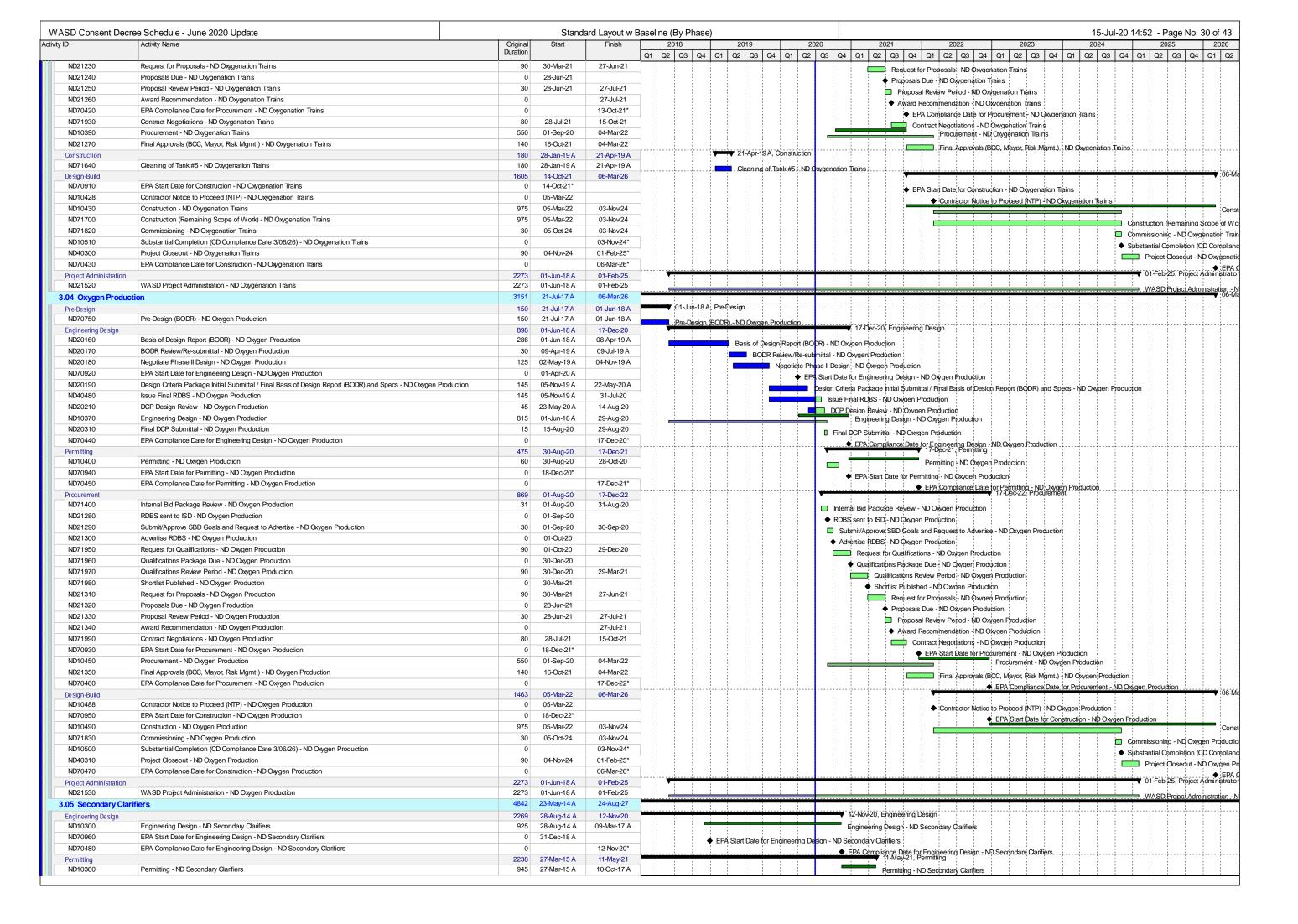
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tivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2 Q1 Q2 Q3 Q4 Q1
CD80250	FDEP Permit - CD Co-Gen Biogas Treatment Facilities	44	10-May-16 A	22-Jun-16 A	
CD71060	DERM Permit - CD Co-Gen Biogas Treatment Facilities	10	06-Sep-16 A	15-Sep-16 A	
CD83520	ERP Permit - CD Co-Gen Biogas Treatment Factities	68	08-Sep-16 A	14-Nov-16 A	
CD83510	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities	56	18-Oct-16 A	12-Dec-16 A	A CD Co-Gen Biogas Treatment Facilities
CD12111	Permitting - CD Co-Gen Biogas Treatment Facilities	409	10-May-16 A	22-Jun-17 A	CD CO-Gen Blogas Treatment Facilities
CD82320	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities	270	26-Sep-16 A	22-Jun-17 A	Tu Petriut: LD Co-Gen Diogastiteatinent. Facilies
Procurement CD30690	Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities	293	16-Sep-16 A 16-Sep-16 A	06-Jul-17 A	
CD30700	Submit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities	62	16-Sep-16 A	16-Nov-16 A	Dourement - CD Cp-Gen/Biogas Treatment Facilities
CD30710	Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities	0	17-Nov-16 A	1011011011	is and Request to Advertise - UD Co-Cen Blodas Treatment Pacifices
CD30720	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities	91	17-Nov-16 A	15-Feb-17 A	D Co-Gen Biogas Treatment Facilities A d - CD Co-Gen Biogas Treatment Facilities
CD30730	Bids Due - CD Co-Gen Biogas Treatment Facilities	0	16-Feb-17 A		en Biogas Treatment Facilities
CD30740	Bid Review Period - CD Co-Gen Biogas Treatment Facilities	19	16-Feb-17 A	06-Mar-17 A	
CD30750	Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		06-Mar-17 A	
CD84830	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		29-Jun-17 A	
CD12121	Procurement - CD Co-Gen Biogas Treatment Facilities	294	16-Sep-16 A	06-Jul-17 A	
CD30760	Final Approvals - CD Co-Gen Biogas Treatment Facilities	122	07-Mar-17 A	06-Jul-17 A	
Construction	0 4 4 10 4 10 10 10 10 10 10 10 10 10 10 10 10 10	1524	20-Jul-17 A	07-Jul-21	▼ 07-Jul-21, Construction
CD12130	Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities	0	20-Jul-17 A	00 M40 A	r Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities
CD83530 CD12131	Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities Construction - CD Co-Gen Biogas Treatment Facilities	660	20-Jul-17 A	26-Mar-19 A 04-Oct-19 A	◆ Complete Switchigear Building Commissioning (whiestone #1) - CD co-gen Biggas Treatment ractures
CD12131 CD86360	Initial Commissioning (With Air) - CD Co-Gen Biogas Treatment Facilities	55	26-May-19 A	04-Oct-19 A	Construction - QCO-Gen Biogas (rearment Facilities
CD87320	2.19 (2a) Substantial Completion - CD Co-Gen Biogas Treatment Facilities	0	20 May 13 A	04-Oct-19 A	initial Commissioning (With Art) - CD CO-Sen Bogas (realment Facilities
CD87330	Final Commissioning (With Biogas) - CD Co-Gen Biogas Treatment Facilities	60	09-Apr-21	07-Jun-21	▼ 2.19 (Za) Substantial completion -CD Co-Gen Blogas Treatment Facilities
CD12141	Biogas Testing Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities	0	-	07-Jun-21*	Final Commissioning (With Biogas) - CD Co-Gen Biogas Treatment Facilities
CD40210	Project Closeout - CD Co-Gen Biogas Treatment Facilities	30	08-Jun-21	07-Jul-21*	
Project Administration		1527	04-Jun-15 A	07-Jul-21	Project Closeout - CD Co-Gén, Biogas, Tréatment Facilities. 707-Jul-21, Project Administration
CD34170	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities	1527	04-Jun-15 A	07-Jul-21	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities ▼ 30-Sep-20, 2.19 (2)b Co-Gen Restroom and Building Rehab
2.19 (2)b Co-Gen Re	estroom and Building Rehab	1557	14-Apr-16 A	30-Sep-20	▼ 30-Şep-20, 2.19 (2)b Co-Gen Restroom and Building Rehab
Engineering De sign		200	14-Apr-16 A	31-Oct-16 A	<u>+</u>
Permitting		276	01-Nov-16 A	04-Aug-17 A	7 00 Nov 19 At Programment
Procurement Construction		624 567	03-Feb-17 A 30-Nov-18 A	29-Nov-18 A 30-Sep-20	The state of the s
CD82060	Contractor Notice to Proceed (NTP) - CD Co-Gen Restroom and Building Rehab	0	30-Nov-18 A	00 Cop 20	
CD82070	Construction - CD Co-Gen Restroom and Building Rehab	300	30-Nov-18 A	18-May-20 A	◆ Contractor Notice to Proceed (NTP) CD Co-Gen Restroom and Building Rehab Construction - CD Co-Gen Restroom and Building Rehab
CD86370	Commissioning - CD Co-Gen Restroom and Building Rehab	10	09-May-20 A	18-May-20 A	
CD82080	2.19 (2b) Substantial Completion (CD Compliance Date 5/21/20) -CD Co-Gen Restroom and Building Rehab	0		18-May-20 A	
CD82090	Project Closeout - CD Co-Gen Restroom and Building Rehab	30	19-May-20 A	30-Sep-20*	
Project Administration		90	14-Apr-16 A	30-Sep-20	
CD85220	WASD Project Administration - CD Co-Gen Restroom and Building Rehab	90	14-Apr-16 A	30-Sep-20	WASD Project Administration - CD Co-Gen Resultant Building Renati
	ading Station - Cancelled	0		28-Dec-16 A	
Pre-Design	Approval of Mation to Concel Project CD Content Unleading Station	0	28-Dec-16 A	28-Dec-16 A	
CD12241	Approval of Motion to Cancel Project - CD Septage Unloading Station	2083	16-Jun-15 A	28-Dec-16 A 26-Feb-21	ancei Project - CD Septage Unicading Station
2.21 Pump Station	NO. I	59	16-Jun-15 A		₩ 79 C. 30 N 70 70 30 4
Pre-Design Engineering Design		994	13-Aug-15 A	22-Feb-18 A	A 22-Feb-18 A; Engine ering Design
Permitting		289	15-May-17 A	05-Feb-18 A	manuscraph drift and self in a part of the self in the
Procurement		1163	23-Dec-15 A	05-Feb-19 A	OFF-BOURD AND AND AND AND AND AND AND AND AND AN
Construction		1634	07-Sep-16 A		
CD84680	Screen Rehab by WASD - CD Pump Station No. 1	147	07-Sep-16 A	31-Jan-17 A	ASD CD Pump Station No. 1
CD11148	Contractor Notice to Proceed (NTP) - CD Pump Station No. 1	0	11-Jun-18 A		Contractor Notice to Proceed (NTP) - CD Rump \$tation No. 1
CD83290 CD11150	EPA Start Date for Construction - CD Pump Station No. 1 Construction - CD Pump Station No. 1	451	06-Feb-19 A 07-Sep-16 A	19-Dec-19 A	PA Start Date for Construction - CD Pump Station No. 1
CD84790	Construction - CD Pump Station No. 1 Construction of PS #1 - CD Pump Station No. 1	410	11-Jun-18 A	19-Dec-19 A	
CD86380	Commissioning - CD Pump Station No. 1	40	15-Oct-19 A	19-Dec-19 A	Construction of PS #1 1 CD Pump Station No. 1
CD11210	Substantial Completion (CD Compliance Date 2/26/21) - CD Pump Station No. 1	0		19-Dec-19 A	Only in issigning - CD Pyrip Station (No. 1)
CD40220	Project Closeout - CD Pump Station No. 1	30	20-Dec-19 A	31-Aug-20*	Substantial Completion (CD Compliance Date 2/20/21) - CD Pump Station No. 1
CD81950	EPA Compliance Date for Construction - CD Pump Station No. 1	0		26-Feb-21*	riolet closedit - CD P timb Station (No. 1)
Project Administration	1	1466	13-Aug-15 A	31-Aug-20	→ EPA Compliance Date for Construction - CD Pump Station No. 1 31-Aug-20, Project Administration
CD34180	WASD Project Administration - CD Pump Station No. 1	1466	13-Aug-15 A	31-Aug-20	WASD Fluggi Administration CD Fund Station No. 1
2.22 Pump Station	No.2	2219	30-Sep-14 A	26-Oct-20	
Pre-Design	Du Ducina CD Duras Clatics No. 0	197	30-Sep-14 A	13-Apr-15 A	
CD12261	Pre-Design - CD Pump Station No. 2	198	30-Sep-14 A	13-Apr-15 A	
Engineering Design CD83300	EPA Start Date for Engineering Design - CD Pump Station No. 2**	560	01-Oct-14 A 01-Oct-14 A	13-Apr-16 A	
CD83500 CD81590	EPA Compliance Date for Engineering Design - CD Pump Station No. 2**	0	01 Ool-14A	05-Feb-15 A	
CD20490	Basis of Design Report (BODR) - CD Pump Station No. 2	111	13-Apr-15 A	03-Feb-15 A 04-Aug-15 A	
CD20500	BODR Review Period - CD Pump Station No. 2	17	•	21-Aug-15 A	
CD30310	Negotiation of Final Design - CD Pump Station No. 2	122	21-Jul-15 A	19-Nov-15 A	
	60% Design Submittal - CD Pump Station No. 2	70	19-Nov-15 A	27-Jan-16 A	
CD20530	60% Design Review - CD Pump Station No. 2	7		03-Feb-16 A	
CD20530 CD20540	00 / 0 Design New - OD 1 ump clation 140. 2				
	100% Design Submittal - CD Pump Station No. 2	35	04-Feb-16 A	09-Mar-16 A	\ \No.2 \ \ \ \No.2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
CD20540	•	35 66	04-Feb-16 A 31-Jan-16 A	09-Mar-16 A 05-Apr-16 A	NO. 2
CD20540 CD20550	100% Design Submittal - CD Pump Station No. 2				No. 2 A pr Control, Valve, Flowmeter) - CD Pump Station No. 2

	cree Schedule - June 2020 Update	ا د داده		lard Layout w E	Baseline (By Phase)	15-Jul-20 14:52 - Page No. 26 of 40
ivity ID	Activity Name	Original Duration	Start	Finish		2020 2021 2022 2023 2024 2025 2026 2 Q3 Q4 Q1 Q2
Permitting		678	06-Feb-15 A	15-Dec-16 A		
CD83310	EPA Start Date for Permitting - CD Pump Station No. 2	0	06-Feb-15 A			
CD80130	Miami 21 Zoning Pemit - CD Pump Station No. 2	54	·	10-Jun-16 A	Station No. 2	
CD82120 CD82130	DERM Permit - CD Pump Station No. 2 FDOT Permit - CD Pump Station No. 2	70	·	21-Jun-16 A 03-Oct-16 A). 2	
CD62130 CD10350	Pemitting - CD Pump Station No. 2	234	13-Apr-16 A	03-Oct-16 A 02-Dec-16 A	ion No. 2	
CD80060	City of Miami Permit - CD Pump Station No. 2	159	27-Jun-16 A	02-Dec-16 A	tation No. 2	
CD81600	EPA Compliance Date for Permitting - CD Pump Station No. 2	0	27 0011 1071	15-Dec-16 A	Pump Station No. 2	
Procurement	3	355	06-Apr-16 A	27-Mar-17 A	br Permitting - CD Pump Station No. 2. curement	
CD40550	Advertise Pre-Purchase Package (Plug Valve) - CD Pump Station No. 2	0	-		alve) - CD Pump Station No. 2	
CD40560	Advertise Pre-Purchase Package (Flow Meter) - CD Pump Station No. 2	0	06-Apr-16 A		leter) - CD Pump Station No. 2	
CD40580	Vendor Bid & Award (Plug Valve) - CD Pump Station No. 2	13	06-Apr-16 A	18-Apr-16 A	ump Station No. 2	
CD40610	VendorNTP (Plug Valve) - CD Pump Station No. 2	0	18-Apr-16 A		tion No. 2	
CD40590	Vendor Bid & Award (Flow Meter) - CD Pump Station No. 2	17	·	22-Apr-16 A	Pump Station No. 2	
CD40620	Vendor NTP (How Meter) - CD Pump Station No. 2	0			ation No. 2	
CD40540	Advertise Pre-Purchase Package (Odor Control) - CD Pump Station No. 2	0		00 him 40 A	dor Control) - CD Pump Station No. 2	
CD40650	Fabricate & Deliver Flow Meter - CD Pump Station No. 2	60	22-Apr-16 A 15-Jul-16 A	20-Jun-16 A	Pump Station No. 2	
CD30780 CD83320	Design Documents Sent to Procurement - CD Pump Station No. 2 EPA Start Date for Procurement - CD Pump Station No. 2	0	29-Jul-16 A		ement - CD Pump Station No. 2	
CD40570	Vendor Bid & Award (Odor Control) - CD Pump Station No. 2	54		09-Aug-16 A	CD Rump Station No. 2	
CD40600	Vendor NTP (Odor Control) - CD Pump Station No. 2	0		03-Aug-10 A	ol) - CD Pump Station No. 2	
CD30800	Advertise Bid Package - CD Pump Station No. 2	0			Pump Station No. 2	
CD30790	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 2	47		30-Aug-16 A	mp Station No. 2	
CD30810	Bid Solicitation Period - CD Pump Station No. 2	49		16-Oct-16 A	d Request to Advertise - CD Pump Station No. 2 Pump Station No. 2	
CD30820	Bids Due - CD Pump Station No. 2	0	17-Oct-16 A		No. 2	
CD40640	Fabricate & Deliver Plug Valve - CD Pump Station No. 2	226	18-Apr-16 A	29-Nov-16 A	/alve - CD Pump Station No. 2	
CD30830	Bid Review Period - CD Pump Station No. 2	66	17-Oct-16 A	21-Dec-16 A	Pump Station No. 2	
CD30840	Award Recommendation - CD Pump Station No. 2	0		21-Dec-16 A	n - CD Pump Station No. 2	
CD10580	Procurement - CD Pump Station No. 2	193	15-Jul-16 A	23-Jan-17 A	ımp \$tation No. 2	
CD30850	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 2	33	22-Dec-16 A	23-Jan-17 A	Mayor, Risk Mgmt.) - CD Pump Station No. 2	
CD81610	EPA Compliance Date for Procurement - CD Pump Station No. 2	0		04-Feb-17 A	e for Procurement - CD Pump Station No. 2	
CD40630	Fabricate & Deliver Odor Control System - CD Pump Station No. 2	230	10-Aug-16 A	27-Mar-17 A	er Odor Control System - CD Pump Station No. 2	000000000000000000000000000000000000000
Construction	Contractor Nation to Descend (ATD), CD Disease Station No. 2	1372		26-Oct-20		▼ 26-Oct-20, Construction
CD10818 CD83330	Contractor Notice to Proceed (NTP) - CD Pump Station No. 2 EPA Start Date for Construction - CD Pump Station No. 2	0	24-Jan-17 A 05-Feb-17 A		Proceed (NTP) - CD Pump Station No. 2	
CD81620	EPA Compliance Date for Construction - CD Pump Station No. 2	0	05-1 eb-17 A	25-May-19 A	onstruction - CD Pump Station No. 2	
CD10820	Construction - CD Pump Station No. 2	261	24-Jan-17 A	14-Aug-20	◆ EPA Compliance Date	for Construction - CD Pump Station No. 2 Construction - CD Pump Station No. 2
CD86390	Commissioning - CD Pump Station No. 2	30		14-Aug-20		-
CD10970	Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2	0		14-Aug-20*	1 	Commissioning - CD Pump Station No. 2
CD40230	Project Closeout - CD Pump Station No. 2	73	15-Aug-20	26-Oct-20*	1	♦ Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2
Project Administration		1000	13-Apr-15 A	26-Oct-20		Project Closedut - CID Pump Station No. 2 26-Oct-20, Project Administration
CD34190	WASD Project Administration - CD Pump Station No. 2	1000	13-Apr-15 A	26-Oct-20		WASD Project Administration - CD Pump Station No. 2
2.23 O2 Plant Proc	ess Controls Phase 2	1255	01-Oct-13 A	09-Mar-17 A	O2 Plant Process Controls Phase 2 ************************************	,
2.24 Gas Monitorin	ng and A larms	1076	19-Dec-14 A	21-Mar-18 A	21-Mar-18:A. 2.24 Gas Monitoring; and Alarms; hand in Dagana de Marins; hand in Dagana de Marins; hand in Dagana de Marins de	s ^o Marmistring and Alarms
2.25 Ventilation Imp	provements	3914	11-Jun-14 A	27-Feb-25		▼ 27-rep-25, 2.25 Ventulation
Engineering De sign		2584	11-Jun-14 A	07-Jul-21		07-Jul-21, Engineering Design
CD11320	Engineering Design - CD Ventilation Improvements	2187	11-Jun-14 A	11-May-17 A		Engineering Design - CD Ventilation Improvements
CD83420	EPA Start Date for Engineering Design - CD Ventilation Improvements	0	01-Jan-21*	07 1 1044		♦ EPA Start Date for Engineering Design - CD Ventilation Improvements
CD81720	EPA Compliance Date for Engineering Design - CD Ventilation Improvements	2472	20 Con 45 A	07-Jul-21*		◆ EPA Compliance Date for Engineering Design - CD Ventilation Improvements ▼ 07-Jul-22: Permitting
Permitting CD11360	Permitting - CD Ventilation Improvements	2473 1891	30-Sep-15 A 30-Sep-15 A	07-Jul-22 08-Jan-18 A	1	Permitting - CD/Ventilation In provements
CD83430	EPA Start Date for Permitting - CD Ventilation Improvements	0	08-Jul-21*		1	
CD81730	EPA Compliance Date for Permitting - CD Ventilation Improvements	0		07-Jul-22*	1	 ◆ EPA Start Date for Permitting - CD Ventifation Improvements ◆ EPA Compliance Date for Permitting - CD Ventifation Improvements
Procurement		2640	07-Mar-16 A	07-Jul-23		7 07-Jul-23, Procurement
CD11480	Procurement - CD Ventilation Improvements	1963	07-Mar-16 A	10-Jun-18 A		Procurement - CD Ventilation Improvements
CD83440	EPA Start Date for Procurement - CD Ventilation Improvements	0	08-Jul-22*			◆ EPA Start Date for Procurement - CD Ventilation Improvements
CD81740	EPA Compliance Date for Procurement - CD Ventilation Improvements	0		07-Jul-23*		◆ EPA Compliance Date for Procurement + CD Ventilation Improvement 27-Feb-25, Construction
Construction	0 4 5 00 4 5 1	3041	30-Aug-16 A	27-Feb-25		
CD11560	Construction - CD Ventilation Improvements	2365	30-Aug-16 A	08-Apr-21		Construction - CD Ventilation
CD11650	Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements	0	00 1.100*	08-Apr-21*	4	◆ Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements
CD83450	EPA Start Date for Construction - CD Ventilation Improvements	0	08-Jul-23*	27-Feb-25*		◆ EPA Start Date for Construction - CD Ventilation Improvements
CD81750 Project Administration	EPA Compliance Date for Construction - CD Ventilation Improvements	3328	11-Jun-14 A	27-Feb-25* 08-Apr-21	<u> </u>	◆ EPA Compliance Date for C
CD34220	WASD Project Administration - CD Ventilation Improvements	3328	11-Jun-14 A 11-Jun-14 A	08-Apr-21		
	overments for Air Scrubber Building	0		20-Feb-19 A	▼ 20-Feb-19 A, 2.25 (1) HVAC	WASD Project Administration - CD Ventilation Improvements mprovements for Air Scrubber Building
Pre-Design		0	20-Feb-19 A	20-Feb-19 A	▼ 20-Feb-19 A, Pre-Design	
CD12281	Child Project Cancelled (WASD h House HVAC Improvements)	0		20-Feb-19 A	◆ Child Project Cancelled (WA	D h House HVAC Improvements)
2.25 (2) Headworks H	HVAC Improvements (Project 2.03/2.04)	1254	06-Oct-14 A	13-Aug-19 A	◆ Child Project Cancelled (WA 13-Aug-19 Å 2.2	5 2) Headworks Transfer improvements (t. 10)cq. 200(2.04)
2.25 (3) Digester Cor	ntrol Building HVAC Improvements (Project 2.15(1))	1413	11-Jun-14 A	08-Apr-21		▼ 08-Apr-21, 2.25 (3) Digester Control Building HVAC Improvements (Project 2.15(1))
F 1 1 D 1		475		29-Sep-15 A		
Engineering Design		470	44 lum 44 A	20 Can 45 A		Engineering Design - Digester Control Building HVAC Improvements (Project 2.15(1))
CD70620	Engineering Design - Digester Control Building HVAC Improvements (Project 2.15(1))	476		29-Sep-15 A		Engline ing besign - bigester with the ball angli tivid improvements (1 b) eat 2.15(1))
	Engineering Design - Digester Control Building HVAC Improvements (Project 2.15(1)) Permitting - Digester Control Building HVAC Improvements (Project 2.15(1))	329 330	30-Sep-15 A	24-Aug-16 A 24-Aug-16 A		Permitting - Digester Control Building HVAC Improvements (Project 2.15(1))

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vity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1 Q2
CD70640	Procurement - Digester Control Building HVAC Improvements (Project 2.15(1))	199	15-Apr-16 A	30-Oct-16 A	Procurement - Digester Control Building HVAC Improvements (Project
Construction		540	31-Oct-16 A	08-Apr-21	▼ 08-Apr-21, Construction
CD70650	Construction - Digester Control Building HVAC Improvements (Project 2.15(1))	540	31-Oct-16 A	08-Apr-21	08-Apr-21, Project Administration Construction - Digester Contr
Project Administration CD85250	WASD Project Administration - Digester Control Building HVAC Improvements (Project 2.15(1))	1413	11-Jun-14 A 11-Jun-14 A	08-Apr-21 08-Apr-21	WA SD Project Administration
	on 1 HVAC Improvements (Project 2.21)	1070	15-Oct-16 A	19-Dec-19 A	19-Dec-19 A, 2.25 (4) Fump quantititity o improvements (Frojetz 2.2.1)
• • •	on 2 HVAC Improvements (Project 2.22)	911	15-Apr-15 A	14-Aug-20	14-Aug-20, 2.25 (5) Pump Station 2 HVAC Improvements (Project 2.22)
Engineering Design	,	362	15-Apr-15 A	11-Apr-16 A	
CD70530	Engineering Design - Pump Station 2 HVAC Improvements (Project 2.22)	363	15-Apr-15 A	11-Apr-16 A	Engineering Design - Pump Station 2 HVAC Improvements (Project 2.22)
Permitting		234	12-Apr-16 A	02-Dec-16 A	
CD70540	Permitting - Pump Station 2 HVAC Improvements (Project 2.22)	235	12-Apr-16 A	02-Dec-16 A	Permitting - Pump Station 2 HVAC Improvements (Project 2.22)
Procurement	D	192	15-Jul-16 A	23-Jan-17 A	ment:
CD70550 Construction	Procurement - Pump Station 2 HVAC Improvements (Project 2.22)	193	15-Jul-16 A 24-Jan-17 A	23-Jan-17 A 14-Aug-20	Procurement - Pump Station 2 HVAC Improvements (Project 2.22)
CD70600	Construction - Pump Station 2 HVAC Improvements (Project 2.22)	261	24-Jan-17 A	14-Aug-20 14-Aug-20	Construction - Pump Station
Project Administration		911	15-Apr-15 A	14-Aug-20	7 14-Aug-20, Project; Administration
CD85270	WASD Project Administration - Pump Station 2 HVAC Improvements (Project 2.22)	911	15-Apr-15 A	14-Aug-20	WASD Project Administration
2.26 Rehabilitation	n of Walkways and Stairways	5110	01-Oct-13 A	27-Sep-27	
Construction		5110	01-Oct-13 A	27-Sep-27	
CD83460	EPA Start Date for Construction - CD Rehab of Walkways & Stairways	0	01-Oct-13 A		
CD87300	Pre-Design - CD Rehab of Walkways & Stairways	366	20-Dec-19 A	30-Apr-20 A	Pre-Design - CD Rehab of Walkways & Stairways
CD87260	Design - CD Rehab of Walkways & Stairways	366	30-Apr-20 A	30-Apr-21	Design - CD Rehab of Walkways & Stairways
CD87270	Permitting - CD Rehab of Walkways & Stairways	180	01-May-21	27-Oct-21	Permitting - CD Rehab of Walkways & Starways
CD87280 CD87290	Procurement - CD Rehab of Walkways & Stairways Construction - CD Rehab of Walkways & Stairways	270 400	28-Oct-21 25-Jul-22	24-Jul-22 28-Aug-23	Procurement -: CD Rehab of Wallways: & Stahways:
CD87290 CD10070	Construction - CD Rehab of Walkways & Stariways Construction - CD Rehab of Walkways & Stariways (by WASD)	3741	01-Oct-13 A	26-Aug-23 27-Mar-27	Construction - CD Rehab of Walkways & Stairways
CD10070	Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Wakways & Stairways	0	01-00F13A	27-Mar-27*	
CD81760	EPA Compliance Date for Construction - CD Rehab of Walkways & Stairways	0		27-Sep-27*	
Project Administration		3741	01-Oct-13 A	27-Mar-27	
CD34230	WASD Project Administration - CD Rehab of Walkways & Stairways	3741	01-Oct-13 A	27-Mar-27	
2.27 Oxygen Produ	uction	2728	19-Dec-14 A	07-Jun-22	707-Jun-22, 2.27 Oxygen Production
Engineering De sign		926	01-Jan-15 A	15-Jul-17 A	A, Engineeting Design
CD83470	EPA Start for Engineering Design - CD Oxygen Production	0	01-Jan-15 A		
CD10320	Engineering Design - CD Oxygen Production	801	13-Apr-15 A	21-Jun-17 A	ng Design - CD Oxygen Production
CD81770	EPA Compliance Date for Engineering Design - CD Oxygen Production	0		15-Jul-17 A	pliance Date for Engineering Design - CD Oxygen Production
Permitting	Describing Ote Described (ACC)	85	05-Apr-17 A	29-Jun-17 A	A, Permitting
CD10550	Permitting - Site Preparation (utilities and demolition)	86 421	05-Apr-17 A 05-Jun-17 A	29-Jun-17 A 28-Dec-18 A	Site Preparation (utilities and demolition).
Procurement CD83490	EPA Start Date for Procurement - Site Preparation**	0	16-Jul-17 A	20-Dec-10 A	1
CD81790	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation**	0		15-Jul-18 A	Date for Procurement - Site Preparation**
CD10800	Procurement (Summary) - CD Oxygen Production & Site Preparation	314	05-Jun-17 A	28-Dec-18 A	► EPA Compliance Date for Procurement - CD Φwgen Production & Site Preparation** Procurement (Summary) - CD Oxygen Production & Site Preparation
Design-Build		1294	16-Jul-18 A	13-Feb-22	▼ 13-Feb-22, Design-Build
CD83500	EPA Start Date for Construction - Site Preparation**	0	16-Jul-18 A		◆ EPA Start Date; for Construction - Site Preparation**
CD11010	Construction (Summary) - CD Oxygen Production & Site Preparation	926	29-Mar-19 A	10-Oct-21	Construction (Summary) - CD Oxygen Production & Site Preparation
CD86160	Substantial Completion (CD Compliance Date 2/13/22) - CD Oxygen Production & Site Preparation	0		10-Oct-21	Substantial Completion (CD Compliance Date 2/13/22) -CD Oxygen Production & Site Preparation
CD81800	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22*	A, 227 (1) Oxygen Production Site Preparation Determine Production Site Preparation Determine Production Site Preparation
	duction Site Preparation	518		29-Jun-17 A	7, 2.27 (1) Oxygen Production Die Preparation
	duction Design-Build	2728	19-Dec-14 A	07-Jun-22	▼ 107 Juli-22, Z.27 (Z) Oxygen r Nouddon Design-ballo
Pre-Design CD12291	Pre-Design - CD Oxygen Production	114	19-Dec-14 A 19-Dec-14 A	12-Apr-15 A 12-Apr-15 A	
Engineering De sign	The Beelight of Oxygen Thousand	732	13-Apr-15 A	14-Apr-17 A	gineering Design
CD21640	Basis of Design Report (BODR) - CD Oxygen Production	136	13-Apr-15 A	26-Aug-15 A	
CD21580	BODR Review Period - CD Oxygen Production	14	27-Aug-15 A	09-Sep-15 A	
CD30330	Negotiate Phase II Design - CD Oxygen Production	428	27-Jul-15 A	26-Sep-16 A	D Ox/gen Production
CD33780	Design Criteria Package Initial Submittal - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	kage Initial Submittal - CD Oxygen Production
CD82200	Final Basis of Design Report (BODR) and Specs - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	n Report (BODR) and Specs -; CD Oxygen; Production
CD33790	DCP Design Review - CD Oxygen Production	25		20-Mar-17 A	w - CD Ox/gen Production
CD33800	Final DCP Submittal - CD Oxygen Production	10		30-Mar-17 A	ttal - CD Oxygen Production
CD82260	Engineering Design - CD Oxygen Production	733	13-Apr-15 A	14-Apr-17 A	ng Design - CD Oxygen Production
CD82210	Issue Final RDBS - CD Oxygen Production	200	· · · · · · · · · · · · · · · · · · ·	14-Apr-17 A	S - CD Owden Production 18-Dec-18 A, Produrement
Procurement CD84120	Internal Bid Package review - CD Oxygen Production	596 49	17-Apr-17 A 17-Apr-17 A	18-Dec-18 A 04-Jun-17 A	
CD84120 CD31040	RDBS sent to ISD - CD Oxygen Production	0	05-Jun-17 A	04-Juin17 A	Package review - CD Oxygen Production
CD31050	Submit/Approve SBD Goals and Request to Advertise - CD Oxygen Production	25	05-Jun-17 A	29-Jun-17 A	o ISD,-CD Oxygen Production
CD33840	Advertise RDBS - CD Oxygen Production	0	26-Jul-17 A		brove SBD Goals and Réquest to Advertisé - CD Oxygen Production
CD33850	Request for Qualifications - CD Oxygen Production	80		13-Oct-17 A	RDBS - CD Owagen Production
CD33860	Qualifications Package Due - CD Oxygen Production	0		13-Oct-17 A	uest for Qualifications - CD Oxygen Production
CD33870	Qualification Review Period - CD Oxygen Production	55	14-Oct-17 A	05-Dec-17 A	Ilifications Rackage Duel- CD Oxygen Production
CD33880	Shortlist Published - CD Oxygen Production	0		05-Dec-17 A	Qualification Review Period - CD Oxigen Production Shortlist Published - CD Oxigen Production
CD33890	Request for Proposals - CD Oxygen Production	44	05-Dec-17 A	06-Mar-18 A	Request for Propasals - CD Oxygen Production
CD31060	Proposals Due - CD Oxygen Production	0		06-Mar-18 A	◆ Proposals Due - CD Oxygen Production
CD31070	Proposal Review Period - CD Oxygen Production	20	07-Mar-18 A	22-Mar-18 A	Proposal Review/Period - CD/Oxygen Production
CD31080	Award Recommendation - CD Oxygen Production	0	23-Mar-18 A		Award Recommendation - CD Oxygen Production
CD31100	Contract Negotiations - CD Oxygen Production	30	07-May-18 A	20-Jul-18 A	Contract Negofiations - CD Oxygen Production
	Procurement - CD Oxygen Production		05-Jun-17 A	18-Dec-18 A	Procurement - CD Oxygen Production

	Schedule - June 2020 Update	Original		Finish	Baseline (By Phase)	2019	202		2021	2022	<u> </u>	2022	2024	·20 14:52 - Pa	
MILY ID	Activity Name	Original Duration	Start	FINISH	Q1 Q2 Q3 Q4							2023			
CD31110 F	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production	95	21-Jul-18 A	18-Dec-18 A		Final Approvals (BCC.	1 1			4. 4. 4.	20 21 21	<u>uz uo u.</u>	1 4 4 4 4 4 4	2. 2. 2-	40 4. 4
Design-Build		1164	29-Mar-19 A	07-Jun-22		FINAL ADDIOVAIS (BLC.	IVIAVOJ, RISK JVIL	אָרָאַ רָרַאַ יִּי	vden Production		7-Jun-22, Design-	Build			
CD33820	Design-Builder NTP - CD Oxygen Production	0	29-Mar-19 A			Design-Builder	NTP - CD Oxya	en Productio	n						
CD84700 C	Construction of Site Preparation (CD 2.27(1)) - CD Oxygen Production	380	29-Mar-19 A	19-Feb-20 A						.27(1)) - CD Oxyger	Production				
	Construction Completion Milestone #1 (CD Compliance Date 2/13/22) - CD Oxygen Production	0		19-Feb-20 A	_		◆ Construc	tion Comple	tion Milestone #1	(CD Compliance Da	ate 2/13/22) - CD	Oxygen Production	o'n		
	AHJ Permit Review - CD Oxygen Production	395	26-Sep-19 A	24-Mar-20 A	_	—	AHJ F	ermit Reviev	/ - CD Oxygen Pro	duction					
	Final Engineering by Design-Builder - CD Oxygen Production	445		24-Jul-20				Final Engi	neering by Design	-Builder - CD Oxyg	en Production				
	Design-Builder Summary (NTP to Milestone #2) - CD Oxygen Production	926	29-Mar-19 A	10-Oct-21	_			<u> </u>	<u> </u>	Design-Builder Su	ımmary (NTP to M	filestone #2) - CI	Oxygen Production		
	Design-Builder Construction - CD Oxygen Production	590	25-Nov-19 A	10-Oct-21	_					Design-Builder Co					
	Construction Completion Milestone #2 (CD Compliance Date 2/13/22) - CD Oxygen Production	0		10-Oct-21*						Construc	tion Completion M	filestone #2 (CD	Compliance Date 2/	13/22) - CD Oxygen	Production
	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22*	_					◆ EPA Con	npliance Date for 0	Construction - CE	Oxygen Production	& Site Preparation	
	Construction of VPSA 2 (Non-Consent Dearee) - CD Oxygen Production	162	11-Oct-21	21-Mar-22	_					Constr	uction of VPSA 2	(Non-Consent De	earee) - CD Oxygen	Production	
	Commissioning - CD Oxygen Production	30	20-Feb-22	21-Mar-22	_					Comm	issianing - CD Oxy	gen Production			
	Substantial Completion (Non-Consent Decree) - CD Oxygen Production	0		21-Mar-22	_					◆ Substa	intial Completion ((Non-Consent De	cree) - CD Oxygen I	Production	1 1
	Project Closeout - CD Oxygen Production	78		07-Jun-22*			<u> </u>	<u>ii.</u>			roject Closeout - 0 7-Jun-22, Project	CD Oxygen Produ	uction		
Project Administration	AVA COD Province A Administration - COD Common Province to	1993	13-Apr-15 A	07-Jun-22	_						7-5011-22, F10ject.	Administration			
	WASD Project Administration - CD Oxygen Production	1993	13-Apr-15 A	07-Jun-22 29-Mar-14 A		, , , , , , , , , , , , , , , , , , ,					VASD Project Adm	ninistration : CD.0	Oxvaen Production		
2.28 SCADA RTU Upgra		179					·}}						ļļļļ		
2.29 High Strength Influence		497	12-Feb-13 A	24-Jun-14 A	3tudy	<u> </u>		- 24 15 26	o ob obbase	CM Office & Contra		<u> </u>			
2.CM CDWWTP CM Office	ce & Contractor Trailers Site Prep	1122	05-Nov-15 A	31-Jul-20	1 1 1			▼ 31-Jul-20,	Z.CIVI CDVV VV TP	CIVI Office & Contra	ictor Trailers Site; i	Prep :			
Pre-Design		168	05-Nov-15 A	21-Apr-16 A	Dogian								ļļļļ		
Engineering Design		200		08-Nov-16 A	Design Permitting		·}								
Permitting Procurement		174 162		01-May-17 A 19-Oct-17 A			·}} -						·		
Construction		276		31-Jul-20	POKSHITE COMMUNICATION	DIAMERYS VII II	den Bittle Gelek	Pren 31-Jul-20	Construction						
	Contractor Notice to Proceed(NTP) - CDWWTP Contractor's Trailers Site Prep	0		31 00120	_ : : :	Proceed(NTP) - CDWV	1 1		1 1 1						
	Construction - CDWWTP Contractor's Trailers Site Prep	90	05-Feb-18 A	12-Sep-18 A	1 1 1 1		: : [1 1	e Prep						
	Substantial Completion - CDWWTP Contractor's Trailers Site Prep	0		12-Sep-18 A	the state of the s	truction - CDWWTP Co			Che Dren						
CD81910 P	Project Closeout - Contractor's Trailers Site Prep	30	13-Sep-18 A	31-Jul-20*	▼ Subs	tantial Completion - CD	VVVV IP Contia	1 1	i i i	- d- Td-11 03 - Dl-	.				
Project Administration	,	657	22-Apr-16 A	31-Jul-20	1 1 1		: :	▼ 31-Jul-20	Project Administr	or's Trailers Site Pre ation	P		·		
	WASD Project Administration - Contractor's Trailers Site Prep	657	22-Apr-16 A	31-Jul-20				. WASD B	oinet Administration	on - Contractor's Tra	lore Sito Prop				
2.TE CD Temporary Elec	ctrical Facilities	777	26-Feb-16 A	31-Aug-18 A	31-Au	g-18 A, 2.TE CD Tempo	rary Electrica F	acilities	deci Adulitisdati	on : Commacions. No	iets site riieb				
2.SM CDWWTP Stormwa		396	27-Jun-16 A	28-Jul-17 A	A, 2, SM CDW WITP Sto	rmwater Master Plan									
_		5271	20-Mar-13 A	24-Aug-27											
B. North District WW				-				15-Aud-2	0 3 01 Headwo	rks and Sludge Deg	ritting & Transfer				
_	udge Degritting & Transfer	1867	20-Mar-13 A	15-Aug-20									.		
Engineering Design		548	20-Mar-13 A	19-Sep-14 A	tina		·}}-						ļļ		
Permitting Procurement		476 1116	11-Jun-14 A 01-Oct-14 A	30-Sep-15 A 15-Nov-16 A	Sludge Degritting**										
Construction		910		15-Nov-16 A 15-Aug-20	works & Sludge Degitti	ng		▼ 15-Aug-2	0, Construction						
	Contractor NTP - ND Headworks & Sludge Degritting	0		02-Nov-15 A											
ND70820 E	EPA Start Date for Construction - ND Headworks & Sludge Degritting	0	04-Dec-15 A		& Sludge Degritting										
ND71230 N	Milestone #1 - Commissioning of Electrical Annex - ND Headworks & Sludge Degritting	0		27-Dec-16 A	sioning of Electrical Ann	by NP Hoodworks 8 S	ludgo Dogatio	.							
	Construction Phase 1: Screens - ND Headworks & Sludge Degritting	576	02-Nov-15 A	30-May-17 A		ase 1; Screens - ND H			a						
ND20830 S	Substantial Completion Phase 1/Milestone #2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0		30-May-17 A	Completion Phase 1/Mile		1 1	1 1	T 1 1 1	Dogratting					
ND10170 C	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	795	02-Nov-15 A	06-Dec-17 A		ase 2: Building Improve				Degitting					
ND10340 S	Substantial Completion Phase 2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0		06-Dec-17 A	_ : : :	Phase 2 (CD Complian	1 1	- : :	7 7 7:	Dogritting					
ND70350 E	EPA Compliance Date for Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	0		07-Apr-18 A		Date for Construction	: : I	1 1	1 1 - 1	- 1 - 1	ittina				
	Project Closeout - ND Headworks & Sludge Degritting	64	07-Dec-17 A	15-Aug-20*	■ EPA Compliano	Date for Construction	Priase Z. Bullu								
Project Administration	, , , , , , , , , , , , , , , , , , , ,	1816	20-Mar-13 A	15-Aug-20	- 			▼ 15-Aug-2	20, Project Admin	adworks & Sludge C istration	egiting				
ND21500 V	NASD Project Administration - ND Headworks & Sludge Degritting	1816	20-Mar-13 A	15-Aug-20				WASD'E	roject Administrat	ion - ND Headworks	& Sludge Degrifti	ina			
3.02 Primary Clarifiers	and Odor Control	3138	03-Sep-14 A	06-Apr-23					TOPE I AGDITUSTO	iore into insparation	- G.Gladge Degnar	06-Apr-23, 3.02	Primary Clarifiers	and Odor Control	1 1
Engineering De sign		985	03-Sep-14 A	15-May-17 A	Engineering Design										
	EPA Start Date for Engineering Design - ND Primary Clarifiers & Odor Control	0	01-Nov-15 A		Clarifiers & Odor Contro	Si .									
ND10090 E	Engineering Design - ND Primary Clarifiers & Odor Control	958	03-Sep-14 A	17-Apr-17 A	esign - ND Primary Clari										
ND70360 E	EPA Compliance Date for Engineering Design - ND Primary Clarifiers & Odor Control	0		15-May-17 A	-1 -: : :	: : : :	larifiers & Oder	Control							
Permitting		733	25-Oct-15 A	10-Oct-17 A	ce Date for Engineering Oct-17 A, Permitting	Secondary Supplies A.C.							T		
ND70840 E	EPA Start Date for Permitting - ND Primary Claifiers & Odor Control	0	10-Mar-17 A		Permitting - ND Primary	Clarifiers & Odor Contr	i								
ND70370 E	EPA Compliance Date for Permitting - ND Primary Clarifiers & Odor Control*	0		05-Sep-17 A	1 1 1 1	nitting - ND Primary Cla	1 1 1	ontrol**							
ND10130 P	Permitting - ND Primary Clarifiers & Odor Control	733	25-Oct-15 A	10-Oct-17 A	nitting - ND Primary Clar	fiers & Odor Control									
Procurement		508		05-Dec-18 A		05-Dec-18 A, Procurer	ent								
	EPA Start Date for Procurement - ND Primary Clarifiers & Odor Control**	0	06-Sep-17 A		tart Date for Procureme	nt - ND Primary Clarifier	& Odor Contr	ol**							
	EPA Compliance Date for Procurement - ND Primary Clarifiers & Odor Control	0		02-Jun-18 A		ance Date for Procuren									
ND10210 P	Procurement - ND Primary Clarifiers & Odor Control	505		05-Dec-18 A		Procurement - ND Prim				<u></u> įį	<u></u>		hanapa		
Construction		2053		06-Apr-23							7	06-Apr-23, Con	suuction		
	EPA Start Date for Construction - ND Primary Clarifiers & Odor Control	0			◆ EPA Start D	ate for Construction - N	D Primary Clarif	iers & Odor (Control						
	Construction - ND Primary Clarifiers & Odor Control	1308	23-Aug-17 A	30-Aug-21						1 1		1 1	ND Primary Clarifiers		
	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0		30-Aug-21			1 1		•			Substantial Cor	mpletion (CD Compl	ance Date 4/06/23)	- ND Primary
	EPA Compliance Date for Construction - ND Primary Clarifiers & Odor Control	0		06-Apr-23*		<u> </u>	1 1	- 124 - 101-45.	3 09 /4\ Dania	Mechanisms for Pr	many Clarifican	EPA Compliand	e_Date_for_Construc	tionND.Ptimaty.Cl	arifiers & Odo
	sms for Primary Clarifiers #4 & 6	870		31-Jul-20			ļļ	▼ 31-Jul-∠0,	J.UZ (1) Replace	wechanisms for Pr	maly Calliers #4	αυ;	ļļ		
Pre-Design		20		21-Dec-16 A	n ering Design		·						ļ <u> </u>		
Engineering Design			22-Dec-16 A 30-Jan-17 A	27-Jan-17 A	c) rom o'nt		·}}								
Procurement Construction		205 605	23-Aug-17 A	23-Aug-17 A 31-Jul-20	Tentrial Pallelinian (Bull)	isie Bilane Charil Addine (Bali Blai	Ne ####################################	74463 6 31-Jul-20	Construction				·}		
	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	005		31 00F20	-										
ND71500 C					tor Notice to Proceed (N	Bullamon/Clorif	are impoblace M	achanieme +	71 X 161						1 1

WASD Consent Decre	ree Schedule - June 2020 Update Activity Name	Original	Standa	ard Layout w E	Baseline (By Phase) 15-Jul-20 14:52 - Page No. 29 of 43 2018 2019 2020 2021 2022 2023 2024 2025 2026
livity ID	Activity Name	Original Duration	Start	LIURII	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1 Q2
ND71800	Commissioning - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	14	07-Feb-19 A	20-Feb-19 A	Commissioning - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71520	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0		20-Feb-19 A	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71530	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	30	21-Feb-19 A	31-Jul-20*	
Project Administration		696	22-Dec-16 A	31-Jul-20	Ptoject Closeout - ND. Primary. Clarifiers: (Replace Mechanisms #4 & 6). ▼ 31-Jul-20, Project Administration
ND71730	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	696	22-Dec-16 A	31-Jul-20	. WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4.8.6) VolDec-21, 3.02 (2) Primary Clarifiers and Odor Control (Remaining Scope of Work)
_ ``	iers and Odor Control (Remaining Scope of Work)	2647	03-Sep-14 A	01-Dec-21	▼ 01-Dec-21, 3.02 (¿) Primary Qamiers and Odor Control (tremaining Scope or Work)
Pre-Design	Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	134	25-Mar-15 A	06-Aug-15 A	4
ND11375	Pie-Design (vivvin) - ND Primary Gainleis & Odor Control (Remaining Scope of vvolk)	135 957	25-Mar-15 A 03-Sep-14 A	06-Aug-15 A 17-Apr-17 A	(Remaining Scope of Work).
Engineering Design ND20140	Basis of Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	330	03-Sep-14 A	29-Jul-15 A	1
ND20150	30% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	127	06-Aug-15 A	10-Dec-15 A	br Control (Remaining Scope of Work)
ND20011	30% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	21	11-Dec-15 A	31-Dec-15 A	dor Control (Remaining Scope of Work) or Control (Remaining Scope of Work)
ND20021	60% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	84	01-Jan-16 A	24-Mar-16 A	ers & Odor Control (Remaining Scope of Work)
ND20031	60% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	11	25-Mar-16 A	04-Apr-16 A	s & Odor Control (Remaining Scope of Work)
ND20040	100% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	353	05-Apr-16 A	23-Mar-17 A	pmittal - ND/Primary Clariffiers & Odor Control (Remaining Scope of Work)
ND71430	Engineering Design - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	958	03-Sep-14 A	17-Apr-17 A	sign - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND40380	100% Design Review/Permit Ready Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	25	24-Mar-17 A	17-Apr-17 A	eview/Permit Ready Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work).
Permitting		733	25-Oct-15 A	10-Oct-17 A	Dc-17A, Permitting
ND70280	FDEP Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	47	25-Oct-15 A	10-Dec-15 A	ol (Remaining Scope of Work)
ND70290	RER Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	129	20-Jun-17 A	30-Jun-17 A	t - ND Primary Clariffiers & Odor Control (Remaining Scope of Work)
ND70310	Fire Department Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	129	20-Jun-17 A	24-Aug-17 A	partment Permit -ND Primary Clarifièrs & Odor Control (Remaining Scope of Work)
ND71440	Permitting - ND Primary Clarifiers & Odor Control (Remaining Scope of Work) City of North Miami Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	733	25-Oct-15 A	10-Oct-17 A	mitting - ND:Primarly Clarifiers & Odor, Control (Remaining Scope of Work)
ND70300	Guy of reditti whattii Fermit - No Filiffaty Gailliers & Odor Control (Kernalning Scope of Work)	186	24-Apr-17 A	10-Oct-17 A 05-Dec-18 A	of North Miami Permit - ND Primary Clarifiers & Odor Control Remaining Scope of Work).
Procurement ND71550	GMOU submittal and approval - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	550 22	10-Jul-17 A 10-Jul-17 A	05-Dec-18 A 31-Jul-17 A	1
ND71480	Internal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	3	30-Oct-17 A	12-Nov-17 A	ubmittal and approval - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20880	Design Documents Sent to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	14-Dec-17 A		lemal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20890	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Nov-17 A	08-Feb-18 A	Design Documents Sent to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work) Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20900	Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	09-Feb-18 A		
ND20910	Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	34	09-Feb-18 A	20-May-18 A	Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work) Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20920	Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)		21-May-18 A	,	Bids Solidation Period - No Primary Clarifiers & Odor Control (Remaining Scope of Work) Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20930	Bid Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	19	21-May-18 A	12-Oct-18 A	Bid Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20940	Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0		12-Oct-18 A	Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work) Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND71450	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	223	14-Dec-17 A	05-Dec-18 A	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20950	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Oct-18 A	05-Dec-18 A	
Construction		1061	06-Dec-18 A	01-Dec-21	Final Approvals (ECC, Mayor, Risk Mgmt.) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work) O1-Dec-21, Construction
ND10268	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers & Odor Control	0	06-Dec-18 A		◆ Contractor Notice to Proceed (NTP) ND Primary Clarifiers & Odor Control
ND71460	Construction - ND Primary Clarifiers & Odor Control (Remaining Scope)	999	06-Dec-18 A	30-Aug-21	Construction - ND Primary Clarifiers & Odor Control (Remaining Scope)
ND71810	Commissioning - ND Primary Clarifiers & Odor Control	30	01-Aug-21	30-Aug-21*	Commissioning - ND Primary Clarifiers & Octor Control
ND10420	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0		30-Aug-21*	◆ Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control
ND40290	Project Closeout - ND Primary Clarifiers & Odor Control	93	31-Aug-21	01-Dec-21*	Project Closeout - ND Primary Clarifiers & Odor Control 7 01-Dec-21, Project Administration
Project Administration ND21510	WASD Project Administration ND Primary Clarifican & Oder Control	2483	03-Sep-14 A	01-Dec-21 01-Dec-21	4
	WASD Project Administration - ND Primary Clarifiers & Odor Control	2483 3238	03-Sep-14 A 25-Apr-17 A	06-Mar-26	WASD Project Administration - ND Primary Clarifiers & Odor Control
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)	ree Schedule - June 2020 Update Activity Name	Original	Start	Finish	Baseline (By Phase) 15-Jul-20 14:52 - Page No. 31 o
,	Activity Name	Duration	Start	FILISH	2018 2019 2020 2021 2022 2023 2024 2025 22 Q1 Q2 Q3 Q4 Q1
ND70970	EPA Start Date for Permitting - ND Secondary Clarifiers	0	13-Nov-20*		◆ EPA Start Date for Permitting - ND Secondary Clariffiers
ND70490	EPA Compliance Date for Permitting - ND Secondary Clarifiers	0		11-May-21*	
rocurement		2683	03-Oct-14 A	05-Feb-22	◆ EPA Compliance Date for Permitting - ND Secondary Clarifiers 05-Feb-22, Procurement
ND10410	Procurement - ND Secondary Clarifiers	1393	03-Oct-14 A	16-Dec-18 A	Procurement - ND Secondary Clarifiers
ND70980	EPA Start Date for Procurement - ND Secondary Clarifiers	0	06-Feb-21*		◆ EPA Start Date for Procurement - ND Secondary Clarifiers
ND70500	EPA Compliance Date for Procurement - ND Secondary Clarifiers	0		05-Feb-22*	◆ EPA Compliance Date for Procurement - ND Secondary Clarifiers
onstruction	<u> </u>	4601	19-Jan-15 A	24-Aug-27	▼ EFA Compilation Later for Procurement - No Secondary Calmie's
ND70990	EPA Start Date for Construction - ND Secondary Clarifiers	0	01-Dec-18 A		◆ EPA Start Date for Construction - ND Secondary Clarifiers
ND10470	Construction - ND Secondary Clarifiers	3311	19-Jan-15 A	14-Oct-22	▼ ErA diatribate for construction in the Secondary Cannels
ND10520	Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers	0		14-Oct-22*	◆ Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers
ND70510	EPA Compliance Date for Construction - ND Secondary Clarifiers	0		24-Aug-27*	Substantial Configuration (CD Configuration and Configuration Configurat
05 (1) Secondary C	larifiers (Replace Mechanisms #1-10	1158	28-Aug-14 A	29-Jun-17 A	A, 3.05 (1) Secondary Clarifiers (Replace Mechanisms #1-10 pletion (CD, Compliance Date 8/24/27) - Replace Mechanisms #1-10
• •	larifiers (Remaining Scope of Work)	3642		18-Nov-22	District CO Combinance Date 8/24/27). Replace yiernanisms #1:10. ▼ 18-Nov-22, 3,05 (2) Secondary Clariffers (Remaining Scope of Work)
re-Design	namero (normaning coope of from)	97	23-May-14 A	27-Aug-14 A	
ND11405	Pre-Design - ND Secondary Clarifiers (Remaining Scope)	97	23-May-14 A	27-Aug-14 A	
ngineering De sign		924		09-Mar-17 A	heemig Design
ND20320	Basis of Design Report (BODR) - ND Secondary Clarifiers	216		31-Mar-15 A	
ND20330	Negotiate Scope & Cost with MWH - ND Secondary Clarifiers (Remaining Scope)	233		13-Oct-15 A	
ND20335	Issue Task Authorization - ND Secondary Clarifiers (Remaining Scope)	0	18-Dec-15 A	3 2 2 3 7 7 7	Clarifiers (Remaining Scope)
ND20340	30% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	161	18-Dec-15 A	26-May-16 A	s (Remaining Scope)
ND20350	30% Design Review - ND Secondary Clarifiers (Remaining Scope)		27-May-16 A	02-Jun-16 A	y Clarifiers (Remaining Scope)
ND20360		147			Clarifièrs (Rémaining Scope)
	60% Design Submittal - ND Secondary Clarifiers (Remaining Scope)		03-Jun-16 A	27-Oct-16 A	Secondary Clarifiers (Remaining Scope)
ID20370	60% Design Review - ND Secondary Clarifiers (Remaining Scope)	12		08-Nov-16 A	Secondary Clarifiers (Remaining Scope)
ID20380	100% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	93		09-Feb-17 A	ttal - ND Secondary Clarifiers (Remaining Scope)
ID20090	Engineering Design - ND Secondary Clarifiers (Remaining Scope)	925	28-Aug-14 A	09-Mar-17 A	n - ND Secondary Clarifiers (Remaining Scope)
ID40490	100% Design Review/Permit Ready Submittal - ND Secondary Clarifiers (Remaining Scope)	28	10-Feb-17 A	09-Mar-17 A	ew/Permit Ready Submittal - ND Secondary Clarifiers (Remaining Scope).
ermitting		945		10-Oct-17 A	pc-17A, Permitting
ID70240	FDEP Permit - ND Secondary Clarifiers (Remaining Scope)	693	27-Mar-15 A	16-Feb-17 A	econdary Clarifiers (Remaining Scope)
D70250	RER Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	23-Jun-17 A	- ND Secondary Clariffiers (Remaining Scope)
D70270	Fire Department Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	24-Aug-17 A	partment Permit -ND Secondary Clarifiers (Remaining Scope)
D20100	Permitting - ND Secondary Clarifiers (Remaining Scope)	945	27-Mar-15 A	10-Oct-17 A	mitting - ND:Secondary Clarifiers (Remaining Scope)
D70260	City of North Miami Permit - ND Secondary Clarifiers (Remaining Scope)	186	24-Apr-17 A	10-Oct-17 A	
ocurement		586	26-May-17 A	16-Dec-18 A	of North Miami Permit - ND Secondary Clarifiers (Remaining Scope) 16-Dec-18 A, Procurement
ID71560	GMOU submittal and approval - ND Secondary Clarifiers (Remaining Scope)	21	26-May-17 A	15-Jun-17 A	mittal and approval - ND Secondary Clarifiers (Remaining Scope)
ND71410	Internal Bid Package Review - ND Secondary Clarifiers (Remaining Scope)	14	08-Nov-17 A	14-Dec-17 A	Internal Bird Package Review + ND Secondary Clarifiers (Remaining Scope)
ND20960	Design Documents Sent to Procurement - ND Secondary Clarifiers (Remaining Scope)	0	15-Dec-17 A		
ND20970	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)	60	01-Dec-17 A	21-Feb-18 A	Design Documents Sent to Procurement ND Secondary Clarifiers (Remaining Scope)
ND20980	Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)	0	22-Feb-18 A		Submit/Approve SBD Goals and Request to Advertise - ND Secondary Claiffiers (Remaining Scope)
ND20990	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope)	37	22-Feb-18 A	26-Apr-18 A	Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope);
ND21000	Bids Due - ND Secondary Clarifiers (Remaining Scope)	0	27-Apr-18 A	20749.1071	Bid Sollidation Period - ND Secondary Clarifiers (Remaining Scope)
ND21010	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)	30	•	02-Oct-18 A	♦ Bids Due - ND Secondary Clarifiers (Remaining Scope)
ND21020	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)	0	21-Api-10A	02-Oct-18 A	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)
		256	15 Dec 17 A		♦ Award Recommendation - ND Secondary Clarifiers (Remaining Scope)
ND20110	Procurement - ND Secondary Clarifiers (Remaining Scope)	256		16-Dec-18 A	Procurement - ND Secondary Clariffers (Remaining Scope)
ND21030	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)	60	03-Oct-18 A	16-Dec-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope).
onstruction	0 + + N + + D	1399	20-Dec-18 A	18-Nov-22	▼ 18-Nov-22, Construction
ND20118	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)	0	20-Dec-18 A		◆ Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)
ND20120	Construction - ND Secondary Clarifiers (Remaining Scope)	1395	20-Dec-18 A	14-Oct-22	Construction - ND Secondary Clarifiers (Remaining Scope)
ND71840	Commissioning - ND Secondary Clarifiers	30	15-Sep-22	14-Oct-22	□ Commissioning - ND Secondary Clarifiers
ND20130	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)	0		14-Oct-22*	♦ 3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary
ID40320	Project Closeout - ND Secondary Clarifiers	35	15-Oct-22	18-Nov-22*	☐ Project Closeout - ND Secondary Clarifiers
oject Administration		3545	28-Aug-14 A	18-Nov-22	Project Closeout - ND Secondary Clarifiers 18-Nov22, Project Administration
ID21550	WASD Project Administration - ND Secondary Clarifiers	3545	28-Aug-14 A	18-Nov-22	WASD Project Administration - ND Secondary Clarifiers
Disinfection		2434	21-Apr-14 A	18-Dec-20	18-Dec-20, 3.06 Disinfection
e-Design		114	16-Feb-15 A	10-Jun-15 A	
ND20010	Pre-Design - ND Disinfection	115	16-Feb-15 A	10-Jun-15 A	
gineering Design		1081	21-Apr-14 A	06-Apr-17 A	pineerling Design
D20000	Review Existing Design for Storm Surge & Code Changes - ND Disinfection	253	21-Apr-14 A	29-Dec-14 A	$\mathbf{b}_{\mathbf{n}}$
D20020	Revise Design for Code and Storm Surge Changes - ND Disinfection	267	11-Jun-15 A	03-Mar-16 A	hanges - ND Disinfection
D10190	Engineering Design - ND Disinfection	826	21-Apr-14 A	24-Jul-16 A	ign - ND Disinfection
71000	EPA Start Date for Engineering Design - ND Disinfection	0	01-Feb-17 A		
070520	EPA Compliance Date for Engineering Design - ND Disinfection	0		06-Apr-17 A	hginepring Design - ND Disinfection
mitting		901	25-Jul-16 A	22-Feb-19 A	Date for Engineering Design - ND Disinfection.
D70770	City of N. Miami Permit - ND Disinfection	22	25-Jul-16 A	15-Aug-16 A	7
D71010	EPA Start Date for Permitting - ND Disinfection	0	07-Apr-17 A	<u> </u>	nfection ND State of the state
D70780	DERM Permit - ND Disinfection	443		22-Nov-17 A	or Permitting - ND;Disinfection
070530		7-73	.5. mg 10 A	06-Apr-18 A	DERM Permit - ND Disinfection
	EPA Compliance Date for Permitting - ND Disinfection	10	21 0~ 10 *		→ EPA Compliance Date for Permitting - ND Disirifection
071880	FDEP Permit - ND Disinfection	43		13-Nov-18 A	■ FDEP Permit-ND Disinfection
D10200	Permitting - ND Disinfection	464	25-Jul-16 A	22-Feb-19 A	Permitting - ND Disinfection
D71870	Bldg Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection	112		22-Feb-19 A	Bldg Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection 06-Apri-19 A, Procurement
ocurement	0.000	634		06-Apr-19 A	υο-Apr-19 A, Proculement
D71590	GMOU submittal and approval - ND Disinfection	26		29-Aug-17 A	submittal and approval - ND Disinfection
D71420	Internal Bid Package Review - ND Disinfection	28		05-Sep-17 A	Il Bid Package Review - ND Disinfection
D21040	Design Documents Sent to Procurement - ND Disinfection	0	21-Nov-17 A		lesign Documents Sent to Propurement - NID Disinfection
	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection	60	05-Oct-17 A	04-Jan-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection
D21050					

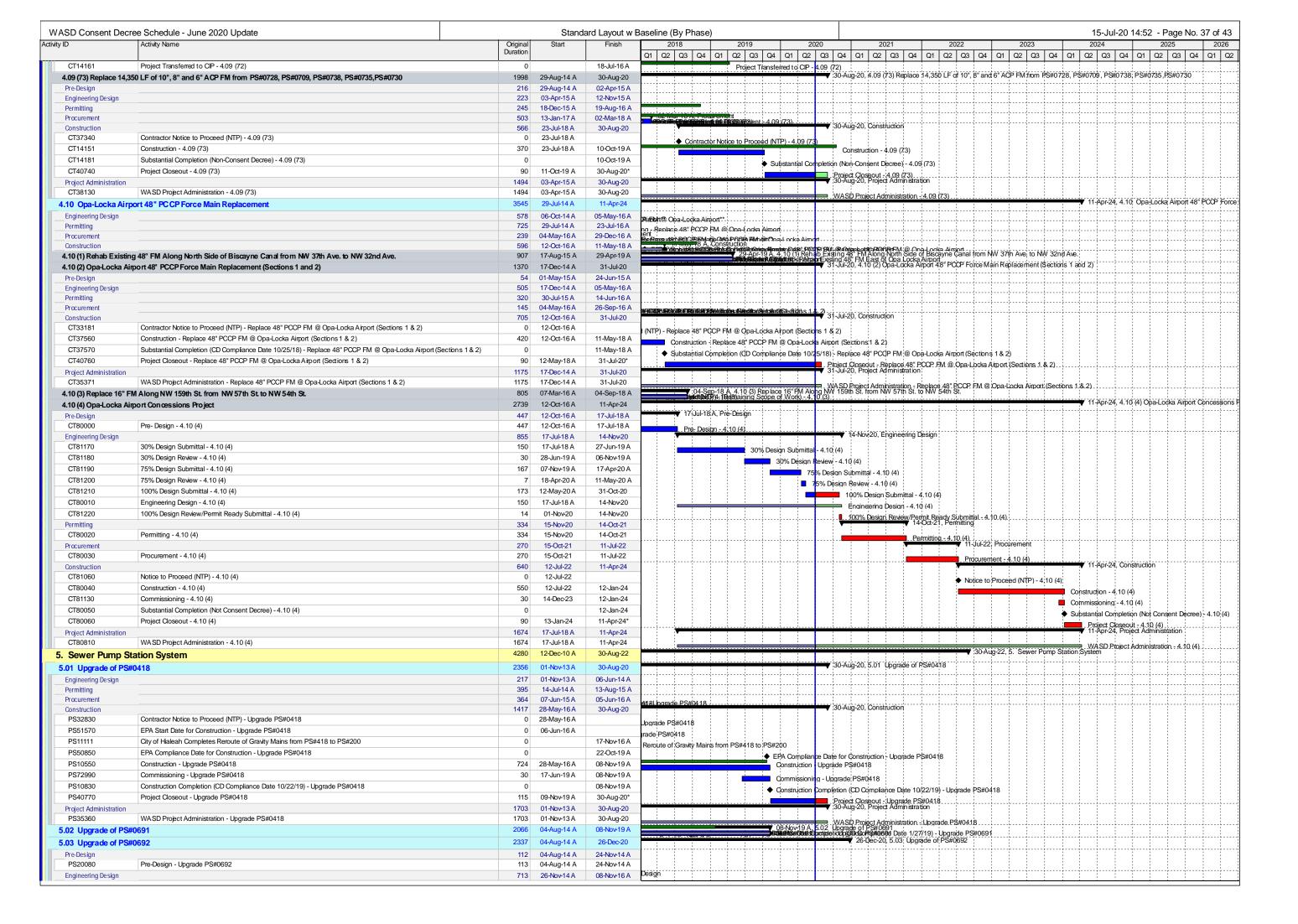
	cree Schedule - June 2020 Update		Standard Layout w	
ity ID	Activity Name	Original Sta	art Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1
ND21070	Bid Solicitation Period - ND Disinfection	60 05-Jan	n-18 A 07-Mar-18 A	Bid Solicitation Period - ND Disinfection
ND21080	Bids Due - ND Disinfection	0 08-Mai	ır-18 A	♦ Bids Due - ND Disinfection
ND71020	EPA Start Date for Procurement - ND Disinfection	0 07-Apr	r-18 A	♦ EPA Start Date for Procurement - ND Disinfection
ND21090	Bid Review Period - ND Disinfection	30 08-Mai	ar-18 A 30-Aug-18 A	Sid Review Period; -ND Disinfection
ND21100	Award Recommendation - ND Disinfection	0	30-Aug-18 A	♦ Award Recommendation - ND Disinfection
ND10260	Procurement - ND Disinfection	227 21-Nov	ov-17 A 10-Sep-18 A	Procurement - ND Disinfection
ND21110	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Disinfection	71 31-Aug	g-18 A 10-Sep-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) ND Disinfection
ND70540	EPA Compliance Date for Procurement - ND Disinfection	0	06-Apr-19 A	India popularia que en ingritu. Prez plantación de la conferencia de la complicación
Construction		638 25-Feb	b-19 A 18-Dec-20	
ND10328	Contractor Notice to Proceed (NTP) - ND Disinfection	0 25-Feb	o-19 A	◆ Contractor Notice to Proceed (NTP) -ND Disinfection
ND71030	EPA Start Date for Construction - ND Disinfection	0 07-Api	r-19 A	♦ EPA Start Date for Construction - ND Disinfection
ND70550	EPA Compliance Date for Construction - ND Disinfection	0	09-Sep-20*	
ND10330	Construction - ND Disinfection	520 25-Feb	b-19 A 15-Nov-20	◆ EPA Compliance Date for Construction - ND Disinfection Construction - ND Disinfection
ND71850	Commissioning - ND Disinfection	30 17-00	0ct-20 15-Nov-20	
ND10380	Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection	0	15-Nov-20*	Commissioning - ND Disinfection
ND40330	Project Closeout - ND Disinfection	33 16-No	lov-20 18-Dec-20*	◆ Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection
Project Administration	·	1735 11-Jun		Project Closeout - ND Disinfection. 18-Dec-20; Project Administration
ND21560	WASD Project Administration - ND Disinfection	1735 11-Jun		1 : : : : : : : : :
3.07 Effluent Dispos	· · · · · · · · · · · · · · · · · · ·	2868 21-Feb		
Pre-Design		145 06-Oc		
Engineering Design		825 09-Jul		
Permitting		1778 17-Feb		DE-Disposal 27-Dec-19 A, Permitting ND-Effluent Disposal PEPA Combliance Date for Permitting - ND-Effluent Disposal
Procurement		2291 21-Feb		27-be-19 A, Permitting 27-be-19 A, Procurement 27-be-19 A, Permitting 27-be-19 A, Procurement
Construction		2585 01-Dec		▼ GEN-LABHRANG LABERTH PAR LA
ND11345	2 - Construction - ND Ocean Outfall Pump Station	96 01-Dec	c-14 A 06-Mar-15 A	
ND11355	2 - Substantial Completion (CD Compliance Date 12/28/21) - ND Ocean Outfall Pump Station	0	06-Mar-15 A	ean Outfall Pump Station
ND20810	1b - Construction - DIW Pump Station Electrical	317 18-Feb	b-15 A 31-Dec-15 A	
ND20820	1b - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Electrical	0	31-Dec-15 A	te 12/28/21) - DIW Pump Station Electrical
ND20758	1a - Contractor Notice to Proceed (NTP) - DIW Pump Station Mechanical	0 18-Oct	.t-16 A	oceed (NTP) - DIW Pump Station Mechanical
ND20760	1a - Construction - DW Pump Station Mechanical	609 18-Oc	ct-16 A 29-Jun-18 A	1a -Construction - DIW Pump Station Mechanical
ND10460	Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal	0	29-Jun-18 A	♦ Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal
ND10458	1a - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Mechanical	0	29-Jun-18 A	
ND10280	Construction (Summary) - ND Effluent Disposal	1217 18-Feb	b-15 A 18-Jul-18 A	
ND40340	Project Closeout - DW Pump Station Mechanical	90 29-Jur	n-18 A 30-Nov-19 A	
ND71070	EPA Start Date for Construction - ND Effluent Disposal	0 08-May		Project Closeout - DIW Pump Station Mechanical
ND70590	EPA Compliance Date for Construction - ND Effluent Disposal	0	28-Dec-21*	◆ EPA Start Date for Construction - ND Effluent Disposal
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ND21570	WASD Project Administration - DIW Pump Station Electrical	1560 09-Jul		WASD Project Administration - DW Pump Station Electrical
3.08 Plant Wide Ele	·	3044 21-Api		▼ 20-Auq-22, 3.08 Plant Wide Electrical
Engineering Design		1924 21-Api	or-14 A 13-Feb-20 A	▼ 13-Feb 20 A, Engneemg Design
ND71080	EPA Start Date for Engineering Design - ND Plant Wide Electrical	0 21-Apr		
ND70600	EPA Compliance Date for Engineering Design - ND Plant Wide Electrical**	0	20-Jan-17 A	1, 4, 1, 1, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
ND10040	Engineering Design - ND Plant Wide Electrical	1914 01-May		for Engineering Design; - ND Plant Wide Electrical** Engineering Design; - ND Plant Wide Electrical
Permitting		1819 01-May		▼ 24-Feb-20 A, Permitting
ND71090	EPA Start Date for Permitting - ND Plant Wide Electrical	0 21-Jan	•	rmitting - ND Plant Wide Electrical
ND70610	EPA Compliance Date for Permitting - ND Plant Wide Electrical	0	20-Jan-18 A	
ND10180	Permitting - ND Plant Wide Electrical	1819 01-May		► EPA Compliance Date for Permitting - NID Plant Wide Electrical Permitting - NID Plant Wide Electrical
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ND71100	EPA Start Date for Procurement - ND Plant Wide Electrical	0 21-Jar		▶ EPA Start Date for Procurement - ND Plant Wide Electrical
ND70620	EPA Compliance Date for Procurement - ND Plant Wide Electrical	0	20-Jan-19 A	▶ EPA Compliance Date for Procurement: ND Plant Wide Electrical
ND10250	Procurement - ND Plant Wide Electrical	2142 12-Mai		Procurement - ND Plant Wide Electrical
Construction		2516 01-Oct		▼ 20-Aug-22, Construction
ND71110	EPA Start Date for Construction - ND Plant Wide Electrical	0 21-Jan		♦ EPA Start Date for Construction -ND Plant Wide Electrical
ND10320	Construction - ND Plant Wide Electrical	2339 01-Oc	ct-15 A 13-Feb-21	Construction: - ND Plant Wide Electrical
ND10480	Substantial Completion (CD Compliance Date 8/20/22) - ND Plant Wide Electrical	0	13-Feb-21*	♦ Şubstantial Completion (CD Compliance Date 8/20/22) - ND Plant Wide Electrical
ND70630	EPA Compliance Date for Construction - ND Plant Wide Electrical	0	20-Aug-22*	
Project Administration		2857 01-May	ny-14 A 13-Feb-21	→ EPA Compliance Date for Construction - ND Plant Wide Electrical
ND21580	WASD Project Administration - ND Plant Wide Electrical	2857 01-May	•	WASD Project Administration - ND Plant Wide Electrical:
3.08 (1) - NDWWTP G	General Electrical In-house Construction (Feeders 1-2)	624 01-May	ay-14 A 15-Jan-16 A	Umaarii naqoo oqnaraqeon (coocio + 2)
3.08 (2) - Electrical Fe	eeders 3-6 (Project 3.01)	1345 01-May	ay-14 A 06-Dec-17 A	00 Dec 11 Pr. 3-00 (Z) - Electibal Cedera 9 0 (1 toject 3-0 1)
3.08 (3) - Electrical Fe	eeders 7-8 (Project 3.04)	0 23-Sep	p-19 A 23-Sep-19 A	▼ 23-Sep-19 A, 3.08 (3) - Electrical Feeders 7-8 (Project; 3.04):
Engineering Design		0 23-Sep	p-19 A 23-Sep-19 A	▼ 23-Sep-19 A, Engineering Design
ND70140	Child Project Deleted (Scope considered under CD 3.03 / 3.04)	0	23-Sep-19 A	Child Project Deleted (\$cope considered under CD 3.03 / 3.04)
3.08 (4) - Electrical Fe	eeders 9-14	1839 10-Jan	n-17 A 14-May-21	14-May-21, 3.08 (4) - Electrical Feeders 9-14
Engineering Design		477 18-Oct		13-Feb 20 A, Engineering Design
ND40500	Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14	0 18-Oc		♦ Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14
ND71210	Pre-Design - Electrical Feeders 9-10, 13-14	60 18-Oc		Pre-Design - Electrical Feeders 9-10, 13-14
TADI IZIO	Engineering Design - Electrical Feeders 9-10, 13-14	77 20-Sep	p-19 A 13-Feb-20 A	Engineering Design - Electrical Feeders 9-10, 13-14
ND71890		87 13-Feb	b-20 A 24-Feb-20 A	▼ 24-Feb-20 A, Permitting
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ND71890	Permitting - Electrical Feeders 9-10, 13-14			
ND71890 Permitting	Permitting - Electrical Feeders 9-10, 13-14	154 17-Mai	ar-20 A 17-Aug-20	√ 17-Aug-20, Procurement
ND71890 Permitting ND71220	Permitting - Electrical Feeders 9-10, 13-14 Procurement - Electrical Feeders 9-10, 13-14	154 17-Mai 154 17-Mai		Procurement - Electrical Feeders 9-10, 13-14
ND71890 Permitting ND71220 Procurement			ar-20 A 17-Aug-20	<u> </u>
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WASD Consent Dec	cree Schedule - June 2020 Update		Stand	dard Layout w	Baseline (By Phase) 15-Jul-20 14:52 - Page No. 33 of 43
Activity ID	Activity Name	Original Duration	Start	Finish	2018
ND21490	Construction - Electrical Feeders 9-10, 13-14	180	18-Aug-20	13-Feb-21	Construction - Electrical Feeders 9-10; 13-14
ND71860	Commissioning - Electrical Feeders 9-14	30	15-Jan-21	13-Feb-21	Commissioning - Electrical Feeders 9-14
ND40350	Project Closeout - Electrical Feeders 9-14	90	14-Feb-21	14-May-21*	
Project Administration	1	1299	10-Jan-17 A	13-Feb-21	Project Closeout - Electrical Feeders 9-14 73-Feb-21, Project Administration
ND71770	WASD Project Administration - Electrical Feeders 9-14	1299	10-Jan-17 A	13-Feb-21	WASD Project Administration - Electrical Feeders 9-14
3.09 Flood Mitigation		1246	04-Apr-14 A	31-Aug-17 A	p-17 A, 3.09 Flood Mittgation Guint Brack With Mittgation de Mittgation
3.10 Yard Piping Re	eplacement epilocement	2436	05-Apr-15 A	04-Dec-21	▼ 04-Dec-21, 3.10 Yard Piping Replacement
Pre-Design		0	06-Apr-15 A	06-Apr-15 A	<u> </u>
Engineering Design		832	06-Apr-15 A	16-Jul-17 A	A. Engineering Design - ND Yard Proinc Replacement
Permitting Procurement		1031 1305	06-Apr-15 A 05-Apr-15 A	12-Jan-18 A 09-Oct-18 A	A Engineering Design ND Yard Printing Replacement 12-Jan-18 A Permitting Displacement Design - ND Yard Printing Replacement 12-Jan-18 A Permitting Displace Printing - ND Yard Printing Replacement 09-Det 18 A Procurement DEPA Start Datas Design Brown Princip Replacement DEPA Start Datas Design Brown Princip Replacement OLDES 1 Construction
Construction		2386	25-May-15 A	04-Dec-21	EPA Start Date-to-Francisch Date-to-Francisch Date-to-Francisch Being Replacement → 04-Dec-21, Construction
ND20870	Rehab 1st 84" Pipe - ND Yard Piping Replacement	123	25-May-15 A	24-Sep-15 A	7
ND10290	Construction - ND Yard Piping Replacement	366	25-May-15 A	24-May-16 A	Construction - ND Yard Piping Replacement
ND20860	Rehab 2nd 84" Pipe - ND Yard Piping Replacement	83	03-Mar-16 A	24-May-16 A	Replacement
ND10440	Substantial Completion (CD Compliance Date 12/04/21) - ND Yard Piping Replacement	0		24-May-16 A	ce Date 12/04/21) - ND Yard Piping Replacement
ND71190	EPA Start Date for Construction - ND Yard Piping Replacement	0	10-Oct-18 A		◆ EPA Start Date for Construction - ND Yatd Piping Replacement
ND70710	EPA Compliance Date for Construction - ND Yard Piping Replacement	0		04-Dec-21*	◆ EPA Compliance Date for Construction - ND Yard-Piping Replacement
Project Administration		414	06-Apr-15 A	24-May-16 A	
ND21600	WASD Project Administration - ND Secondary Clarifiers	415	06-Apr-15 A	24-May-16 A	condairy. Clarifiers
3.11 SCADA RTU L		540	30-Sep-13 A	24-Mar-15 A	pgrades
4. Wastewater C	Collection & Transmission Line	5841	01-Oct-11 A	27-Sep-27	
4.01 Collection Sys	stem I/I Repairs	5110	01-Oct-13 A	27-Sep-27	
Construction		5110	01-Oct-13 A	27-Sep-27	
CT71230	EPA Start Date for Construction - Collection System I/I Repair	0	01-Oct-13 A		
CT10070	Construction - Collection System // Repair	4161	01-Oct-13 A	27-Sep-27	
CT10430	Substantial Completion (CD Compliance Date 9/27/27) - Collection System I/I Repair	0		27-Sep-27*	
CT50590	EPA Compliance Date for Construction - Collection System I/I Repair	0		27-Sep-27*	
4.01 (1.0) - PMCM CI	IPP I/I Repairs	3673	01-Feb-15 A	31-Jul-18 A	31-Jul-18 A, 4(01 (1.0) - PMCM CIPP II Repairs
Engineering Design	OIDD Occasional Occasion ANDWARD COAFFOOAD Finally	1065	01-Feb-15 A	15-Aug-17 A	17 A; Engineering Design
CT30000	CIPP Specifications & Scope to MDWASD -2015/2016 Fiscal Year	18	01-Feb-15 A	18-Feb-15 A	4 : : : : : : : : : : : 1 : : : : : : :
CT30090	CIPP Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (PO 168) CIPP Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	55 245	01-May-16 A	24-Jun-16 A	WASD - 201 6/2017 Fiscal Year (PO 168)
CT30220	CIPP Specifications & Scope to MDWASD-2017/2016 Fiscal feat		01-May-17 A 01-Feb-15 A	15-Aug-17 A	becifications & Scope to MDWAS D :2017/2018 Fiscal Year.
Procurement CT30010	CIPP Contractor Procurement - 2015/2016 Fiscal Year	730 303	01-Feb-15 A 01-Feb-15 A	31-Jan-17 A 30-Nov-15 A	
CT30120	CIPP Contractor Procurement - 2016/2017 Fiscal Year (RPQ PO 193)	183	02-Aug-16 A	31-Jan-17 A	Year
Construction	Oil 1 Contractor 1 Toodio Monte 2010/2011 1 Toodi Tooli (N. Q. 1 O 100)	968	07-Dec-15 A	31-Jul-18 A	urement - 2016/2017 Fiscal Year (RPQ PO 193) 31-Jul-18 A, Construction
CT30060	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)	446	07-Dec-15 A	24-Feb-17 A	struction) - 2015/2016 Fiscal Vear (PO 168)
CT30150	CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193)	365	01-Aug-17 A	31-Jul-18 A	
Project Administration	1	3673	01-Feb-15 A	31-Jul-18 A	CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193)
CT80720	WASD Project Administration - PMCM CIPP VI Repairs	3673	01-Feb-15 A	31-Jul-18 A	WASD Project Administration - PMCM CIPP /I Repairs ▼ 22-Jul-18 A, 4.01 (1.1) - PMCM Dig & Replace I/I Repairs
4.01 (1.1) - PMCM Di	ig & Replace I/I Repairs	3624	01-Mar-15 A	22-Jul-18 A	
Engineering Design		1037	01-Mar-15 A	15-Aug-17 A	17 A, Engineering Design
CT30020	Dig & Replace Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	10	01-Mar-15 A	10-Mar-15 A	scal Year
CT30100	Dig & Replace Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2229)	93	01-May-16 A	01-Aug-16 A	cope to MDWASD - 2016/2017 Fiscal Year (T2229)
CT30180	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	185	30-Jun-17 A	15-Aug-17 A	pplace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year
Procurement CT38000	Dig & Replace Contractor B Procurement - 2015/2016 Fiscal Year	687 232	01-Mar-15 A 01-Mar-15 A	16-Jan-17 A 18-Oct-15 A	
CT30040	Dig & Replace Contractor A Procurement - 2015/2016 Fiscal Year	239	01-Mar-15 A	25-Oct-15 A	6 Fiscal Year
CT38010	Dig & Replace Contractor C Procurement - 2015/2016 Fiscal Year	324	01-Mar-15 A	18-Jan-16 A	_6 Fiscal Year
CT30130	Dig & Replace Contractor Procurement - 2016/2017 Fiscal Year (T2229)	168	02-Aug-16 A	16-Jan-17 A	5/2016 Fiscal Year
Construction		981	19-Oct-15 A	22-Jul-18 A	tor Procurement 1: 2016/2017 Fiscal Year (T2229) 7 22-Jul-18 A, Construction
CT38020	Dig & Replace Contract B (Construction) - 2015/2016 Fiscal Year	366	19-Oct-15 A	18-Oct-16 A	onstruction) - 2015/2016 Fiscal Year
CT30070	Dig & Replace Contract A (Construction) - 2015/2016 Fiscal Year	366	26-Oct-15 A	25-Oct-16 A	Construction) - 2015/2016 Fiscal Year
CT38030	Dig & Replace Contract C (Construction) - 2015/2016 Fiscal Year	365	18-Jan-16 A	16-Jan-17 A	t C (Construction) - 2015/2016 Fiscal Year
CT30160	Dig & Replace Contract Countywide (Construction) - 2016/2017 Fiscal Year (T2229)	365	26-Jun-17 A	22-Jul-18 A	Dig & Replace Contract Countywide (Construction) -2016/2017 Fiscal Year (₹2229). ▼ 25-Jan-18 A, Project Administration
Project Administration		3624	01-Mar-15 A	25-Jan-18 A	▼ 25-Jan-18 A, Project Administration
CT80730	WASD Project Administration - PMCM Dig & Replace I/I Repairs	3624	01-Mar-15 A	25-Jan-18 A	WASD Project Administration - PMCM Dig. & Replace // Repairs 28-Nov-17 A; 4.01:(1.2) - PMCM SSES I/
4.01 (1.2) - PMCM SS	SES VI		01-Mar-15 A	28-Nov-17 A	h
Engineering De sign CT30030	SSES Specifications & Scope to MDWASD - 2015/2016 Fscal Year	536	01-Mar-15 A 01-Mar-15 A	18-Aug-16 A 10-Mar-15 A	
CT30030 CT30110	SSES Specifications & Scope to MDWASD - 2019/2016 Fiscal Year SSES Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2231)	74	06-Jun-16 A	_	
Procurement	OCEO OPECINACIONO A DOPE LO INIDVIMOD- 2010/2017 FOCAL PERI (12231)	74	01-Mar-15 A	18-Aug-16 A 24-Feb-17 A	MDWASD- 2016/2017 Fscal Year (T2231).
CT38040	SSES (CCTV) Procurement - 2015/2016 Fiscal Year	360	01-Mar-15 A	23-Feb-16 A	1
CT30140	SSES Contractor Procurement - 2016/2017 Fiscal Year (T2231)	191	18-Aug-16 A	24-Feb-17 A	cal Year
Construction		780	14-Mar-16 A	18-Aug-17 A	rocurement: 2016/2017 Fiscal Year (T2231). 17 A, Construction
CT38050	SSES Construction (CCTV) - 2015/2016 Fiscal Year (T2101)	366	14-Mar-16 A	14-Mar-17 A	n (CCTV) - 2015/2016 Fiscal Year (T2101)
CT30170	SSES Contract (Construction) - 2016/2017 Fiscal Year (T2231)	395	03-Apr-17 A	18-Aug-17 A	
Project Administration	1	1462	01-Mar-15 A	28-Nov-17 A	Dontract (Construction) - 2016/2017 Fiscal Year (T2231) 28-Nov-17 A', Project Administration
CT80740	WASD Project Administration - PMCM SSES I/I	1462	01-Mar-15 A	28-Nov-17 A	WASD Project Administration -: PMCM SSES. VI.
4.01 (2) - PSIP Progra	am VIRepairs	1188	01-Oct-13 A	31-Dec-16 A	WASD Project Administration - PMCM .SSES. (IL PSIP Program VI Repairs
Construction		1188	01-Oct-13 A	31-Dec-16 A	ion
CT22790	Construction - PSIP Program I/I Repair (MDWASD)	1188	01-Oct-13 A	31-Dec-16 A	gram // Repair (MDWASD)
Project Administration		1188	01-Oct-13 A	31-Dec-16 A	
CT80750	WASD Project Administration - PSIP Program // Repair (MDWASD)	1188	01-Oct-13 A	31-Dec-16 A	tration - PSIP Program VI Repair (MDWASD)

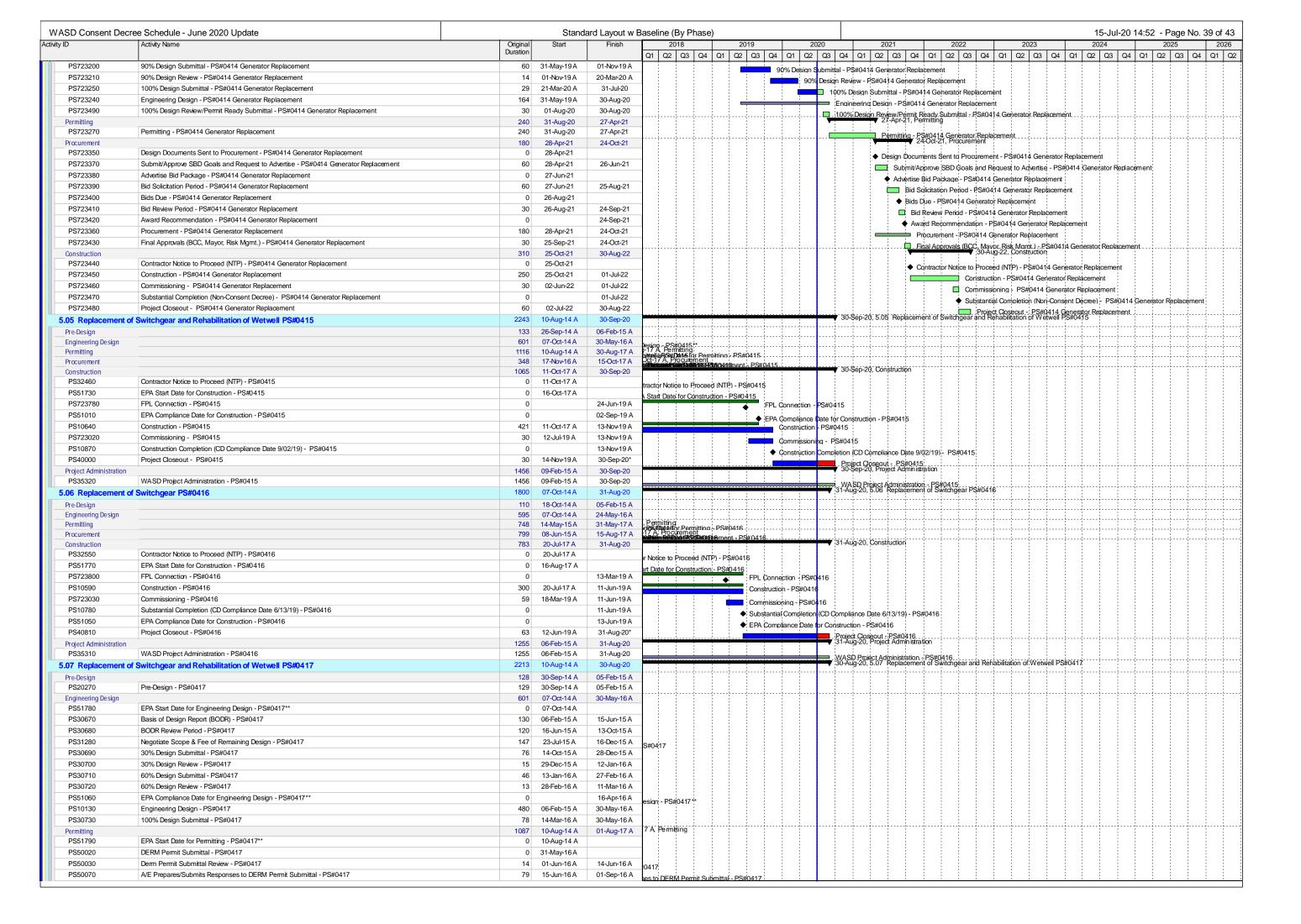
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4.01 (3) - MDWASD CM Team	VI Repairs	3736	01-Oct-13 A	27-Sep-27		-									_		—	-	<u>-</u>
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.04 North Dade 72 inch PC	CCP FM Rehabilitation	1783	13-May-13 A	05-Mar-18 A	05-Mar-18 A, 4	.04 Nort	h Dade 72 ind	POCP FM F	ehabi	tation						 			
.05 South Dade 54 inch PC		2195		30-Sep-20	ECHRICAL DOZONO (CONTROL DO	e/Malensa	MACH CAST HOROTON	kemanke Daioi	./ / _P	CCP FIVI Renation 30-Şep-20, 4.05 South Da	de 54 inch	PCCP FM I	Rehabilitatio	on					-
Engineering Design		422	05-Aug-14 A	01-Oct-15 A														ļi	
Permitting		446	14-Oct-15 A	02-Jan-17 A	CP FM Rehab**											 			
Procurement		618	07-Apr-15 A	15-Dec-16 A	TOP CROWN THE PROPERTY SOLUTION	-Dade 5	4" PCCP FM:R	Pohob											
Construction		826	26-Sep-16 A	23-Dec-18 A	MIPPOCHIETIETI SOL	23-[Dec-18 A. Cons	ruction McConclinas	neuthiate	.49000HLRbd9c54bFR2CIP.FM.R6	1020bFM:Re	nab				1			1
4.05 (1) 48/54" FM from SW 12	27 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)	2195	05-Aug-14 A	30-Sep-20						▼ 30-Sep-20, 4.05 (1) 48/54	FM from S	W 127 Ave	/SW 280 S	it. to SW 107 Ave/SW 248 St (Ph	ase 1)	ļļ			1
Engineering Design		422	05-Aug-14 A	01-Oct-15 A	_		ļļ									ļļ		()	ļ.,
Permitting		128	14-Oct-15 A	19-Feb-16 A	Oct-17 A Proguence	ent	ļ <u>-</u>									ļ ļ		ļ	
Procurement Construction		563 1389	21-Mar-16 A 19-Oct-16 A	30-Oct-17 A 30-Sep-20	Oct-17 A, Pro cureme	Rhase 1	<u> </u>	<u></u>		30-Şep-20, Construction								ļ	
	tractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)	0	19-Oct-16 A	00-06p-20	(AUT) 40/54	M (D)									-		- -	1	
	sfer of 4.05(2) to WASD - 8/54 Inch FM	0		02-Dec-16 A	d (NTP) - 48/54 Inch F	ıvı (Phas	¥e1) ;								'			1	
	struction - 48/54 Inch FM (Phase 1)	405	19-Oct-16 A	14-Sep-18 A	SD - 8/54 Inch FM		40/54	DI 4	,									1 1	
	missioning - 48/54 Inch FM (Phase 1)	30	21-May-18 A	14-Sep-18 A	1 1 1	i	n - 48/54 Inch	i i	·						- '			1	
	stantial Completion Phase 1 (CD Compliance Date 12/23/18) - 48/54 Inch FM (Phase 1)	0	-, -	14-Sep-18 A	1 : : :		ning - 48/54 In			D 40/00/40\\ 40/54 h	FN4 (Dk	- 40						1	
	ect Closeout - 48/54 Inch FM (Phase 1)	90	15-Sep-18 A	30-Sep-20	SI	ibstantia	Completion F	nase i (CDC	ompiia	inde Date 12/23/18) - 48/54 Incl	1 1	f (1 1	
Project Administration		1301	05-Aug-14 A	30-Sep-20		_		+ +		Project Closeout - 48/54 In 30-Şep-20, Project Admini	tration	se:1)				÷			
	SD Project Administration - 48/54 Inch FM (Phase 1)	1301	05-Aug-14 A	30-Sep-20				1 1		WASD Project Administrati	n - 48/54 I	nch FM (Ph	ase 1)		- ! '			1 1	
.06 Replacement of Tamia	ami Canal Aerial Crossing FM's at NW 37 Ave	1418	11-Dec-12 A	29-Oct-16 A	ment of Tamiami Car biochigation Carathylot 7 Replacement of 18 phoches recommended	al Aerial	Crossing FM's	at NW 37 Av	e		20. 3500501	110033334434	5000			1		[]	1
.07 Replacement of 18 inc	ch DIP FM in Miami Lakes	1855	11-Mar-12 A	09-Apr-17 A	7 Replacement of 18	inch DI	P FM in Miami	Lakes	2							† <u>†</u>		[
.08 Rehabilitation of 54 inc		1607	06-Oct-14 A	04-Sep-19 A	CHARLES - RESERVANT CHIRADICAT (U	ML CALCAR TATES	O	II Miarri Lar I-Sep-19 A	1.08 R	ehabilitation of 54 inch PCCP F	Vin the Cit	/							
Engineering Design	on tool thin all only	401	06-Oct-14 A	11-Nov-15 A			}									 		{i	
Permitting		269	04-Apr-15 A	29-Dec-15 A	FM-in the City**														
Procurement		570	06-Mar-15 A	26-Sep-16 A	PCCP FM in the Cit			1 1				1 1				-	-		1
Construction		269	20-Sep-16 A	16-Jun-17 A	, Construction	ÆMRette	e-6#∀PCCP FI	1 in the City*]		(0000)	j
4.08 (1) Rehab 2 Miles of 54 In	nch PCCP FM (Consent Decree)	964	27-Oct-14 A	16-Jun-17 A	(, 4.08 (1) Rehab 2 M	ies of 54	4 hch PCCP:F	И (Consent D e Re bab 2 М	ecree) les of :	54" PCCP FM. in the City Ren ab/Repla ce an Additional 2 Genalo Replace Additional 2 b 15-Nov-20, 4:09 Repla sign	1								
4.08 (2) Rehab/Replace an Ad	dditional 2 Miles of 54" PCCP FM (Non-Consent Decree)	1586	27-Oct-14 A	04-Sep-19 A			B (6	1-Sep-19 A 4	1.0 8 (2) Jeografi je	Rehab/Replace an Additional 2 Behab/Replace Additional 2.N	Miles of 54 liles of 54".	4" PCCP FM PCCP FM ii	I (Non-Con the Oty	sent Decree)		1			1
.09 Replace Approximatel	ly 30 miles of AC FM Transmission System	3002	28-Aug-12 A	15-Nov-20						15-Nov-20, 4:09 Repla	e Approxim	nately 30 m	les of ACT	M Transmission System	i'	<u>i i</u>	i!	1!	Ĺ
Engineering Design		2087	28-Aug-12 A	06-May-19 A			■ 06-May-1	A, Enginee	ing De	sign								1	
	Start Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0	01-Nov-13 A										1 1		- 1			1	
	Compliance Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0		09-Oct-14 A	rans System**								- 1 1		- 1	i i	1	1 1	İ
	neering Design - Replace ~30 miles of AC FM Trans System	2087	28-Aug-12 A	06-May-19 A	1 1				eplace	~30 miles of AC FM Trans Syst	em					ļļ		ļ!	ļ.,
Permitting	0 D	2005	05-Aug-13 A	31-Dec-18 A		31-1	Dec-18 A, Perr	itting							- !			1	
	Start Date for Permitting - Replace ~30 miles of AC FM Trans System**	0	10-Oct-14 A	04.0== 40.4		J.							1 1			į į	- 1	1 1	
	nitting - Replace ~30 miles of AC FM Trans System	1835	05-Aug-13 A	04-Sep-18 A		- 1	ing - Replace	1 1							'			; ;	
	Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System	1002	16 Doo 12 A	31-Dec-18 A 08-Oct-19 A	<u> </u>	♦ EP£	Compliance I	Oate for Perm	ittingl	Replace -30 miles of AC FM Tr	ns.System					ļ 		ļ	ļ
Procurement CT71510 EPA S	Start Date for Procurement - Replace ~30 miles of AC FM Trans System**	1992	16-Dec-13 A 10-Oct-15 A	08-00:19 A	1	- 1	ľ	20 Jon 19 A					1						
	Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System	0	10-001-10 M	30-Apr-19 A	of AC FM Trans Syste	em**									'		1	1	1
	urement - Replace ~30 miles of AC FM Trans System	1750	16-Dec-13 A	08-Oct-19 A		1				curement - Replace ~30 miles of lace ~30 miles of AC FM Trans		ns System							
Construction		2379	14-Apr-14 A	17-Oct-20				roculenien	- Kebi	17-Oct-20, Construction	yaieIII					† 		ļi	-
	Start Date for Construction - Replace ~30 miles of AC FM Trans System	0	09-Oct-16 A	., 00.20	D1-1 00 "		TM The C								'			1	
	struction - Replace ~30 miles of AC FM Trans System	1935	14-Apr-14 A	17-Aug-20	ion - Replace ~30 mil	es of AC	-M Trans Sýs	em		Construction - Replace ~3	0 miles of	C FM Tran	s System				1 7		1
	stantial Completion (CD Compliance Date 10/17/20) - Replace ~30 miles of AC FM Trans System	0	•	17-Aug-20*							1 1	1 1	1 :	20 miles of 40 P4 T 2	roto		- -	1	1
	Compliance Date for Construction - Replace ~30 miles of AC FM Trans System	0		17-Oct-20*	1				•					ace ~30 miles of AC FM Trans Sv				1	1
	S), (57-59), (64), (66) - Asbestos Concrete Pipe (ACP) Cut and Plug	1080	24-Oct-17 A	03-Sep-20	1 1 1		<u></u>	<u></u>		▼ Era Compliance Date for ▼ 03-Sep-20, 4.09 (1), (27-28)	(44-45), (5	71. replace 4-56), (57-5	, ~ 30 Miles 9), (64), (66	of AC FM Trans System 6) - Asbestos Concrete Pipe (ACF	²) Out an	id Plug			F
Pre-Design		89	24-Oct-17 A	28-Sep-18 A	2	8-Sep-18	A, Pre-Design									† <u>†</u>			ř
Engineering De sign		176	29-Sep-18 A	06-May-19 A				A, Enginee								J			1
Procurement		169	09-May-19 A	08-Oct-19 A				08-Oct-19 A	Procu	rement	100174560 Y.5567	5769 (6) 667 459	6664). (66)			ļ ļ			Į.
Construction	A 1 () A 1 (352	21-Oct-19 A	03-Sep-20			1			▼ .03-Sep-20, Construction									ì
	tractor Notice to Proceed (NTP) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	21-Oct-19 A	05 :				Contractor	Votice t	o Proceed (NTP) - 4.09 (1), (27					'			1	ł
	struction - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	270	21-Oct-19 A	05-Jun-20 A	_		1			Construction - 4.09 (1), (2	7-28), (44-4	5), (54-56),	(57-59), (6	4), (66)					į
	stantial Completion (CD Compliance Date 10/17/20) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	00 1 65 1	05-Jun-20 A	4				♦ Sul	bstantial Completion (CD Comp	iance Date	10/17/20) -	4.09 (1), (2	27-28), (44-45), (54-56), (57-59), (64), (66))	- 1	1 1	ĺ
	ect Closeout - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	90	06-Jun-20 A	03-Sep-20*			<u> </u>			Project Closeout - 4.09 (1), (7 03-Sep-20, Project Administi	27-28), (44-	45), (54-56)	, (57-59), (6	64), (66)		ļ		ļ!	1.4
Project Administration	2D Droingt Administration 4.00 (4) (27) (29) (44.45) (54.56) (57.50) (24) (20)	644	29-Sep-18 A	03-Sep-20	4 T						1 1	1 1	1 1				1	1 1	ĺ
	SD Project Administration - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64), (66)	1063	29-Sep-18 A	03-Sep-20						WASD Project Administration S-0455 to Miami Gardens D	1 - 4.09 (1), Ir.	(27), (28), (44-45), (54	-56), (57-59), (64), (66)		ļļ		ļ!	-
• • • • • • • • • • • • • • • • • • • •	B LF of 12" ACPFM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.	1063	24-Apr-14 A	22-Mar-17 A	.02art20 liance_Date_10	[17/20] -	4.09 (2)		701	to NW 183rd and 52nd Ave						ļļ		ļi	1
• • • • • • • • • • • • • • • • • • • •	acement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.	1668	28-Aug-12 A	22-Mar-17 A	(5 5, 5)1(1) (4 11011							ACP FM fro	m PS #036	52 to NW 52nd Ct, and 190th St.	8 4MI F	10" to 120	ith .	ļ	1
· / ·	" ACP FM from PS #0362 to NW52nd Ct. and 190th St. & 400LF 10" to 189th		29-Aug-14 A	31-Jul-20						5, 5a; 25, -1.05 (0-7) (1cpiace 3					~ 7WLI			ļl	÷
re-Design		209	29-Aug-14 A 27-Mar-15 A	26-Mar-15 A 02-Nov-15 A			ļ									ļ		ļ <i>i</i>	1
Ingineering De sign Permitting		155	03-Nov-15 A	02-N0V-15 A 06-Apr-16 A			 -											ļi	4
			15-Apr-16 A	26-Jun-17 A	Maria Maria de Ricke		<u> </u>											التتنية	í

	cree Schedule - June 2020 Update	Origin - I		lard Layout w	Baseline (By Phase) 15-Jul-20 14:52 - Page No. 35 (
y ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2025 2014 2025 201 Q1 Q2 Q3 Q4 Q1
Construction		128	26-Jun-17 A	31-Jul-20	▼ 31-Jul-20, Construction
CT35360	Contractor Notice to Proceed (NTP) - 4.09 (6-7)	0	26-Jun-17 A		Notice to Proceed (NTP) - 4.09 (6-7)
CT12281	Construction - 4.09 (6-7)	54	26-Jun-17 A	18-Aug-17 A	Construction - 4.09 (6-7)
CT12291	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (6-7)	0		18-Aug-17 A	ntial Completion (CD Compliance Date 10/17/20) - 4.09 (6-7)
CT40460	Project Closeout - 4.09 (6-7)	74	19-Aug-17 A	31-Jul-20*	Ptoject Closedut - 4.09 (6-7) 31-Jul-20, Project Administration;
Project Administration		950	27-Mar-15 A	31-Jul-20	▼ 31-Jul-20, Project Administration:
CT38360	WASD Project Administration - 4.09 (6-7)	950	27-Mar-15 A	31-Jul-20	WASD Project Administration - 4:09 (6-7).
4.09 (9-13) Replacem	nent of 6, 8 and 12" ACP FM Between PS#0385, PS#0374 and NW 119th St./37th Ave.	1075	28-Aug-12 A	07-Aug-15 A	4,09(9-13)
4.09 (14-19) Replacen	ment of 6, 8 & 10" ACPFM Around PS#0376, 0427, 0375, 0377 and 0368	1010	28-Aug-12 A	03-Jun-15 A)(14-19) - 100-100-100-100-100-100-100-100-100-1
4.09 (20-21) Replace	467LF 8" ACPFM from PS#0366 to NW42ndPl/199thTer.& 1792LF 10" - 39thCt/199th St	1133	29-Aug-14 A	11-Dec-19 A	2/1 Dec 10 - 4.09 (20-21) Replace #67LF;8"ACP FM from PS#0366 to NW42ndPl/199thTer.& 17/92LF 10"- 39thCt/199th St
4.09 (22) Replacemen	nt of 2,013 LF of 6" ACP FM from PS#358 to PS#0352	1065	01-Nov-14 A	02-Aug-18 A	292 hoce Date 10/17/201 - 4.09 (22)
4.09 (23) Replacment	t of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286LF Along 187 Ave.	1265	03-Jun-15 A	14-Mar-19 A	### 102 Date: 101 17(20): 44.51 (22): 101 102 Date: 101 17(20): 4.99 (23): 101 102 Date: 101 17(20): 101 102 Date: 10
	nt of 840 LF of 8" ACP FM Along NW 49th Ct.from PS#0353 to NW 177th St.	1065	01-Nov-14 A	30-Sep-17 A	1977 19
	ment of 1040 LF of 10" ACPFM from NW173rd Dr/52nd Ave. to NW 177th St/52nd Ave.	1066	01-Nov-14 A	06-Sep-17 A	######################################
	6" & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812	2129	01-Apr-14 A	31-Jul-20	#####################################
Pre-Design	C a 12 Ma / For the Both Total Model and CFF To State to Tim Both To Model 2	181	01-Apr-14 A	29-Sep-14 A	
Engineering Design		415	30-Sep-14 A	19-Nov-15 A	
Permitting		397	07-Apr-16 A	09-May-17 A	
Permitting Procurement		229	01-Apr-16 A 01-Mar-17 A	22-Sep-17 A	SP 17 A Flocustrum
Construction		669	05-Mar-18 A	31-Jul-20	31-Jul-20, Construction
CT35990	Contractor Notice to Proceed (NTP) - 4.09 (29-31)	009	05-Mar-18 A	31-0ul-20	
	Construction - 4.09 (29-31)	320	05-War-18 A	12-Son 40 A	◆ Contractor Notice to Proceed (NTP) +4.09 (29-31)
CT12781	· /	320	UO-IVIAI-18 A	12-Sep-19 A	Construction - 4.09 (29-31)
CT12791	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29-31)	0	40.0 ::::	12-Sep-19 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29/31) Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29/31)
CT40540	Project Closeout - 4.09 (29-31)	90	13-Sep-19 A	31-Jul-20*	Project Closegut - 4:09 (29-31). 7 31 Jul-20, Project Administration
Project Administration		1522	30-Sep-14 A	31-Jul-20	▼ 3) Jul-20, Froject Agministration
CT38280	WASD Project Administration - 4.09 (29-31)	1522	30-Sep-14 A	31-Jul-20	WASD Project Administration - 4/09 (29-31)
4.09 (32) Replacemen	nt of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd	1174	26-Nov-14 A	05-Apr-19 A	
4.09 (33) Replace 170	01 LF 4" ACP from PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.	954	12-Feb-16 A	31-Aug-18 A	Diance Date 10/17/20): 4.09 (33).
4.09 (34-43) Replace	ACP DM with 8" & 12" DI FM from SW108 PI/SW177 St to SW95 Ave/SW163 St.	1734	21-Oct-15 A	31-Jul-20	31 Jul-20, 4.09 (34-43) Replace ACP DM with 8" & 12" D(FM from SW108 PI/SW177 St to SW95 Ave/SW163 St.
Pre-Design		338	21-Oct-15 A	23-Sep-16 A	
Engineering De sign		451	23-Sep-16 A	10-May-18 A	10-May-18 A ,Engineeing Design
Permitting		415	10-Mar-17 A	29-Aug-18 A	Aug. 18 A. Permitting: mst - 4.09 (34-4) - 3.04-6-18 A. Procurement
Procurement		280	21-May-18 A	20-Dec-18 A	5 5 5 6 7 8 A Progressian (34 4 4 3)
Construction		508	18-Feb-19 A	31-Jul-20	▼ 31-Jul-20, Construction
CT36260	Contractor Notice to Proceed (NTP) - 4.09 (34-43)	0	18-Feb-19 A		◆ Contractor Notice to Proceed (NTP) - 4.09 (34-43):
CT12981	Construction - 4.09 (34-43)	365	18-Feb-19 A	21-Apr-20 A	Construction - 4.09 (34-43)
CT12991	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (34-43)	0		21-Apr-20 A	♦ Substantial Completion (CD Compliance Date 10/17/20) -4.09 (34-43)
CT40570	Project Closeout - 4.09 (34-43)	50	22-Apr-20 A	31-Jul-20	_
Project Administration		1005	23-Sep-16 A	31-Jul-20	Project Closegut - 4.09 (34-43). 7 31-Jul-20, Project Administration
CT38250	WASD Project Administration - 4.09 (34-43)	1005	23-Sep-16 A	31-Jul-20	Was Depend Administration of 200 (2d 42)
4.09 (46) Replacemen	nt of 157 LF of 6" ACP FM from SW107th Ct/155th St to SW 107th Ave./155th St.	1874	03-Jun-15 A	31-Jul-20	WASD Project Administration - 4,09 (34,43). WASD Project Administration - 4,09 (34,43). 31-Jul-20, 4.09 (46) Replacement of 157 LF of 6" ACP FM from SW 107th Q/155th St to SW 107th Ave./155th St.
Pre-Design		478	03-Jun-15 A	23-Sep-16 A	
Engineering Design		462	23-Sep-16 A	30-Apr-18 A	30-Apr-18 A, Engineering Design
Permitting		189	10-Mar-17 A	27-Aug-18 A	Aug-18 A, Permitting
Procurement		569	15-Aug-17 A	20-Dec-18 A	20 Dec-18 A, Progurement 31-Jul-20, Construction 31-Jul-20, Construction
Construction		508	18-Feb-19 A	31-Jul-20	√ 31-Jul-20, Construction
CT36350	Contractor Notice to Proceed (NTP) - 4.09 (46)	0	18-Feb-19 A		◆ Contractor Notice to Proceed (NTP) - 4.09 (46)
CT13131	Construction - 4.09 (46)	365	18-Feb-19 A	21-Apr-20 A	Construction - 4.09 (46)
CT13191	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (46)	0		21-Apr-20 A	◆ Substantial Completion (CD Compliance Date 10/17/20) -4.09 (46)
CT40590	Project Closeout - 4.09 (46)	50	22-Apr-20 A	31-Jul-20*	
Project Administration		839	23-Sep-16 A	31-Jul-20	Project Closeout - 4.09 (46). ▼ 31-Jul-20, Project Administration
CT38240	WASD Project Administration - 4.09 (46)	839	23-Sep-16 A	31-Jul-20	
	nt of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.	962	12-Feb-15 A	23-Jan-18 A	WASD Project Administration - 4:09 (46)
` ' '	ace 8" & 10" ACP FM with 16", 12" & 8" DIP - SW142 Ave/SW288St to SW123Ct/258St	1909	10-Jun-15 A	31-Jul-20	TIPD G09 (48-53, 63) Replace 8" & 10" ACP FM with 16", 12" & 8" DIP; SW142 Ave/SW288St to SW123Ct/258St
Pre-Design	3. 0 / No. 1 III Hill 10 ; 12 4 0 Dil - Off 142 A 10 011 12000 10 011 12000 2000 1	195	10-Jun-15 A	22-Dec-15 A	
Engineering Design		602	22-Dec-15 A	15-Aug-17 A	17 A, Engineering Design
Permitting		132	16-Aug-17 A	24-May-18 A	8 A Pemiting
Procurement		446	15-Aug-17 A	27-Sep-18 A	Popular set was the set was the set was the set of t
Construction		673	28-Sep-18 A	31-Jul-20	The first september 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CT36530	Contractor Notice to Proceed (NTP) - 4.09 (48-53, 63)	0	28-Sep-18 A		7 : : : : : : : : : : : : : : : : : :
CT13381	Construction - 4.09 (48-53, 63)	400	28-Sep-18 A	01-May-20 A	◆ Contractof Notice to Proceed (NTP) - 4.09 (48-53, 63) Construction - 4.09 (48-53, 63)
CT13391	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (48-53, 63)	0		01-May-20 A	
CT40610	Project Closeout - 4.09 (48-53, 63)	90	02-May-20 A	31-Jul-20*	◆ Substantial Completion (CD Compliance Date 10/17/20) 4.09 (48-53, 63)
Project Administration		1325	14-Mar-16 A	31-Jul-20	Pioject Closegut - 4.09 (48-53, 63) 7 31-Jul-20, Project Administration;
CT38220	WASD Project Administration - 4.09 (48-53, 63)	1325	14-Mar-16 A	31-Jul-20 31-Jul-20	
					WASD Project Administration - 4:09 (48-53, 63) 31-Jul-20, 4:09 (60-62) Replace 1500LF 8" ACP FM (PS#1013 - PS#1012), 2550LF 10" (SW144th/SW 280th St) 958LF8"
	1500LF 8" ACP FM (PS#1013 - PS#1012), 2550LF 10" (SW144th/SW 280th St) 958LF 8"	1237	28-Oct-16 A	31-Jul-20	Nov-17 A, Pre-Design
Pre-Design		355	28-Oct-16 A	02-Nov-17 A	Nov-17 A, Pieruesign 21-Jun-18 A, Engineering Design
Engineering Design		223	19-Oct-17 A	21-Jun-18 A	Sep-18 A Permiting
Permitting		110	22-May-18 A	04-Sep-18 A	Feb-19 A. Progrement
Procurement Construction		153	05-Sep-18 A	05-Feb-19 A	31-Jul-20, Construction
CT36710	Contractor Nation to Proceed (NITD) - 4.00 (50.52)	371	11-Feb-19 A	31-Jul-20	
CT36710	Construction 4.00 (60.62)		11-Feb-19 A	24 4 12 1	Contractor Notice to Proceed (NTP) - 4.09 (60-62) Contractor Notice to Proceed (NTP) - 4.09 (60-62)
CT13631	Construction - 4.09 (60-62)	280	11-Feb-19 A	21-Aug-19 A	Construcțion - 4.09 (60-62)
CT13641	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (60-62)	0		21-Aug-19 A	♦ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (60-62)
CT40640	Project Closeout - 4.09 (60-62)	90	22-Aug-19 A	31-Jul-20*	Project Closegut - 4.09 (60-62). ▼ 31-Jul-20, Project Administration
Project Administration		718	19-Oct-17 A	31-Jul-20	▼ 31-Jul-20, Project Administration
,	WASD Project Administration - 4.09 (60-62)	718	19-Oct-17 A	31-Jul-20	WASD Project Administration - 4:09 (60-62)

WASD Consent De	ecree Schedule - June 2020 Update		Stand	dard Layout w	Baseline (By Phase)							15-	Jul-20 1	4:52 - Page	e No. 36 of
tivity ID	Activity Name	Original Duration	Start	Finish	2018	2019	2020		2021 2022 2 Q3 Q4 Q1 Q2 Q3 Q		2023	2024		2025	202
4.09 (65) Replaceme	ent of 2250 LF of 6" ACP FM from PS#1002 to SW 152nd Ave. and 304th St.	1310	28-Oct-16 A	31-Jul-20			▼ 31-Ju		5) Replacement of 2250 LF of 6"A						3 Q4 Q1
Pre-Design		355	28-Oct-16 A	02-Nov-17 A	-Nov-17 A, Pre-Design										
Engineering De sign Permitting		247 90	19-Oct-17 A 23-Jul-18 A	10-Jul-18 A 16-Aug-18 A	10-Jul-18 A, Eng	e mitting	}								
Procurement		206		14-Mar-19 A		4-Mar-19 A, Pr	curement \$653 de 109 (65) 31-Ju								
Construction		334	24-Jun-19 A	31-Jul-20		AND DESCRIPTION HOLD AND	31-Ju	il-20, Constr	uction			1 1			
CT36800	Contractor Notice to Proceed (NTP) - 4.09 (65)	0	24-Jun-19 A			◆ Contracto	Notice to Proceed (N7								
CT13781	Construction - 4.09 (65)	220	24-Jun-19 A	12-Dec-19 A	_		· · · · · ·	Construction	- 4.09 (65)						
CT13791 CT40660	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (65) Project Closeout - 4.09 (65)	90	13-Dec-19 A	12-Dec-19 A 31-Jul-20*		•	1 1 1	11 1	pliance Date 10/17/20) - 4.09 (65)						
Project Administration	, , , , , , , , , , , , , , , , , , ,	658	19-Oct-17 A	31-Jul-20			Project 31-Ju	ct Closeout : ul-20, Project	4.09 (65) Administration						
CT38200	WASD Project Administration - 4.09 (65)	658	19-Oct-17 A	31-Jul-20				1 1							
4.09 (67) Replace 2,	,700 LF of 8" ACPFM from PS#1132 Along Bikini Blvd to MH5 in Hanger Rd	2271	29-Aug-14 A	15-Nov-20				7 15-Nov-20	ministration - 4:09 (65) , 4:09 (67) Replace 2,700 LF of 8" A	CP FM from	PS#1132 Alon	ng Bikini Blvd to I	VIH5 in Har	ıger Rd	
Pre-Design	[a] a	137	29-Aug-14 A	13-Jan-15 A											
CT14201	Pre-Design - 4.09 (67)	138	29-Aug-14 A	13-Jan-15 A			}								
Engineering Design CT13851	Engineering Design - 4.09 (67)	436 437	13-Feb-15 A 13-Feb-15 A	24-Apr-16 A 24-Apr-16 A											
Permitting		192	25-Apr-16 A	03-Nov-16 A			ļ								
CT13861	Permitting - 4.09 (67)	193	25-Apr-16 A	03-Nov-16 A	Permittin	j - 4.09 (67)									
CT50390	DERM Permit - 4.09 (67)	193	25-Apr-16 A	03-Nov-16 A											
CT50400	Public Works Permit - 4.09 (67)	35	30-Sep-16 A	03-Nov-16 A	(67) 27-Feb-18 A, Procuremen		ļļ								
Procurement CT80360	GMOU submittal and approval - 4.09 (67)	312	16-Feb-17 A 16-Feb-17 A	27-Feb-18 A 08-Mar-17 A											
CT80250	Internal Bid Package Review - 4.09 (67)	6	19-May-17 A	24-May-17 A	nd approval - 4.09 (67)										
CT36900	Design Documents Sent to Procurement - 4.09 (67)	0		.,	ackage Review - 4.09 (67) ments Sent to Procurement - 4.	9 (67)									
CT36910	Submit/Approve SBD Goals and Request to Advertise - 4.09 (67)	27	25-May-17 A	20-Jun-17 A	rove SBD Goals and Request to	111	(67)								
CT36920	Advertise Bid Package - 4.09 (67)	0	21-Jun-17 A		id Package - 4.09 (67)	Have use - 4.0	, (07)								
CT36930	Bid Solicitation Period - 4.09 (67)	49	21-Jun-17 A	08-Aug-17 A	itation Period - 4.09 (67)										
CT36940	Bids Due - 4.09 (67)	0	09-Aug-17 A		e - 4.09 (67)										
CT36950	Bid Review Period - 4.09 (67)	77	09-Aug-17 A	25-Oct-17 A	Review Period - 4.09 (67)										
CT36960 CT13871	Award Recommendation - 4.09 (67) Procurement - 4.09 (67)	183	25 Mov 17 A	25-Oct-17 A 29-Jan-18 A	ard Recommendation - 4.09 (6		100 (07)								
CT36970	Final Approvals - 4.09 (67)	30	25-May-17 A 26-Oct-17 A	29-Jan-18 A 27-Feb-18 A	-	Procurement -	4.09 (67)								
Construction	Tillal Applovais -4.00 (01)	717		15-Nov-20	Final Approvals - 4.09 (67)		<u> </u>	7 15-Nov-20	, Construction						
CT36980	Contractor Notice to Proceed (NTP) - 4.09 (67)	0	05-Nov-18 A	101012	◆ Contracto	Notice to Proc	eed (NTP) - 4.09 (67)								
CT13881	Construction - 4.09 (67)	250	05-Nov-18 A	17-Aug-20	→ Sommade	TWORLDE TOT THE		Construction	- 4.09 (67)						
CT13891	Substantial Completion (Non-Consent Decree) - 4.09 (67)	0		17-Aug-20*			♦ Şub	stantial Com	pletion (Non-Consent Decree) - 4.09	(67)					
CT40680	Project Closeout - 4.09 (67)	90	18-Aug-20	15-Nov-20*		<u></u>		Project Ck	oseout - 4.09 (67) , Project Administration						
Project Administration CT38180	N WASD Project Administration - 4.09 (67)	1355 1355	13-Feb-15 A 13-Feb-15 A	15-Nov-20 15-Nov-20				1 1							
	ent of 3,400 LF of 6" and 8" ACPFM, from PS#0364 to NW 199th St./42nd Ave.		29-Aug-14 A	31-Jul-20			▼ 31-Ju		piect Administration - 4.09 (67) 8) Replacement of 3,400 LF of 6° a				St./42nd	Ave.	
Pre-Design		35		03-Oct-14 A		- ;	1 1 1	1 1		- 1	1 1				
Engineering Design		405	06-Oct-14 A	15-Nov-15 A			ļļ								
Permitting Procurement		142 83	16-Nov-15 A 07-Apr-16 A	06-Apr-16 A 29-Jun-16 A	4.04.000		<u> </u>								
Construction		396	12-Sep-16 A	31-Jul-20	-4.09-(68)		▼ 31-Ju	il-20, Constr	uction						
CT37070	Contractor Notice to Proceed (NTP) - 4.09 (68)	0	12-Sep-16 A		NTP) - 4.09 (68)		<u> </u>								
CT13931	Construction - 4.09 (68)	184	12-Sep-16 A	14-Mar-17 A	_	1 1	<u> </u>	Construction	- 4.09 (68)						
CT13941	Substantial Completion (Non-Consent Decree) - 4.09 (68)	0	45 May 47 A	14-Mar-17 A	letion (Non-Consent Decree) - 4	09 (68)									
CT40690 Project Administration	Project Closeout - 4.09 (68)	212 1103	15-Mar-17 A 06-Oct-14 A	31-Jul-20 31-Jul-20			Project 31-Ju	ct Closeout : il-20. Project	4.09 (68) Administration						
CT38170	WASD Project Administration - 4.09 (68)	1103	06-Oct-14 A	31-Jul-20			1 1 1	1 1							
4.09 (69) Replaceme	ent of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.	1233	16-Jun-14 A	28-Aug-18 A	ree) - 4.09 (69):	.00 (00) Te pla	cmon or 2,020 Emol	12" ACP FM	ministration - 4.09 (68) from PS#0333 South to Miami Lak	s Dr.					
4.09 (70) Replace 80	000LF of 10" ACPFM at US-1 from SW 184th St. to N. of Caribbean Blvd	550	13-Sep-14 A	16-Mar-16 A	10"ACP FM at US-1 from SW	84th St. to N.	f Caribbean Blvd								
Pre-Design		407	13-Sep-14 A	25-Oct-15 A			ļ <u>ļ</u>								
Engineering Design CT14001	Engineering Design (Original Project Scope) - 4.09 (70)	506 245	27-Oct-14 A 27-Oct-14 A	16-Mar-16 A 28-Jun-15 A											
CT80440	Engineering Design - 4.09 (70)	507	27-Oct-14 A	16-Mar-16 A	1										
CT33001	Engineering Design (Revised Project Scope) - 4.09 (70)	142	27-Oct-15 A	16-Mar-16 A	e) - 4.09 (70)										
CT80700	Project Cancelled - 4.09 (70)	0		16-Mar-16 A											
Project Administration		506	27-Oct-14 A	16-Mar-16 A											
CT38160	WASD Project Administration - 4.09 (70)	507	27-Oct-14 A	16-Mar-16 A		<u></u>	34-1	1.20 4.00 7	1) Replace 8" ACP FM from PS#04	5 Wast to	W/303th St	1" From De#0/4	4 to MM25	179	
	"ACP FM from PS#0445, West to NW 207th St, 4" From PS#0444 to NW207St	1739		31-Jul-20 30-Jan-15 A			▼ 31-Ju		I) INCEPIACE O AICE FINITION PO#U4	o, vv ex lor				, 4	
Pre-Design Engineering Design		442	01-Nov-14 A 02-Feb-15 A	30-Jan-15 A 19-Apr-16 A											
Permitting		100	19-Apr-16 A	28-Jul-16 A											
Procurement		373		23-Jan-18 A	Rander Rander Land Project de troient 4 A.	97(12)1)		100.00	refine				[]		
Construction	Contractor Notice to Proceed (NTD) 4.00 (74)	310		31-Jul-20	-			ul-20, Constr	JUJUIT						
CT37250 CT14081	Contractor Notice to Proceed (NTP) - 4.09 (71) Construction - 4.09 (71)	210	10-Sep-18 A 10-Sep-18 A	24-Apr-19 A	◆ Contractor N	tice to Proceed	(NTP) - 4.09 (71)	Cohotrastic	- (100 (71)						
CT14091	Substantial Completion (Non-Consent Decree) - 4.09 (71)	0	10 Joh-10 V	24-Apr-19 A		0.4		Construction							
CT40720	Project Closeout - 4.09 (71)	90	25-Apr-19 A	31-Jul-20*	7	Substantial C	ompletion (Non-Conser	i i							
Project Administration		1332	02-Feb-15 A	31-Jul-20		1 1	31-Ju	ul-20, Project	4.09 (71) Administration					1 1	
CT38140	WASD Project Administration - 4.09 (71)	1332	02-Feb-15 A	31-Jul-20			WAS	D Project Ad	ministration - 4:09 (71)						
4.00 (70) DI 04	152 LF of 8", 12" and 16" ACP FM from PS#0891 to SW 108th St-127th Ave88th St	0	18-Jul-16 A	18-Jul-16 A	52 L F of 8", 1 2" and 16 "ACP F	trom PS#089	to SW 108th St127th	th Ave88th	St						
Engineering Design		0	18-Jul-16 A	18-Jul-16 A		,	F4								



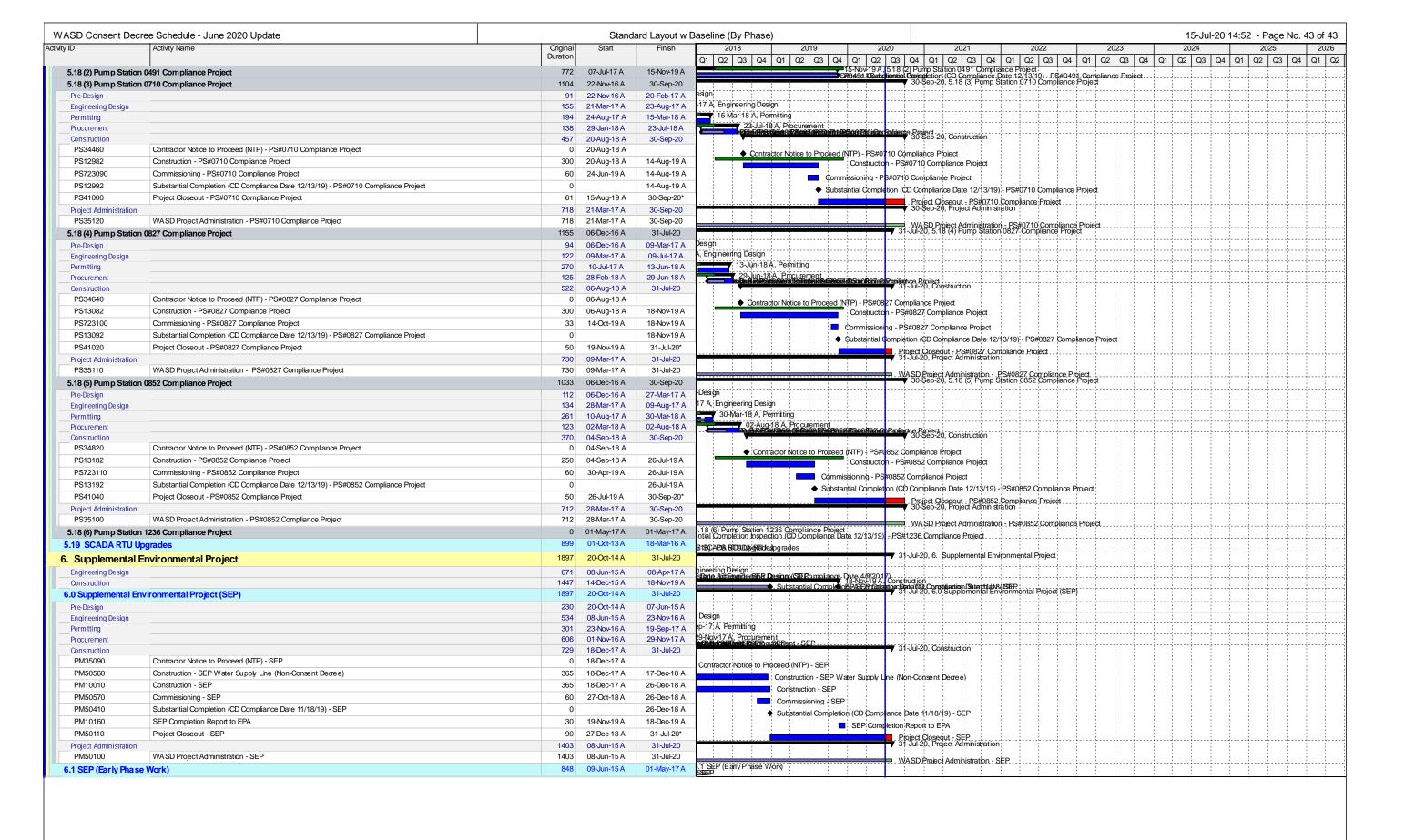
	ree Schedule - June 2020 Update	1 2:5		lard Layout w E	aseline (By Phase) 15-Jul-20 14:52 - Page No. 38 of 43
tivity ID	Activity Name	Original Duration	Start	FILISH	2018
PS51620	EPA Start Date for Engineering Design - Upgrade PS#0692	0	07-Dec-14 A		
PS50900	EPA Compliance Date for Engineering Design - Upgrade PS#0692**	0		15-May-15 A	
PS20090	Basis of Design Report (BODR) - Upgrade PS#0692	248	26-Nov-14 A	31-Jul-15 A	
PS20120	BODR Review Period - Upgrade PS#0692	68		09-Oct-15 A	
PS31370	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0692	277		23-May-16 A	Design - Upgrade PS#0692
PS32110	60% Design Submittal - Upgrade PS#0692	99		30-Aug-16 A	le PS#0692
PS32120	60% Design Review - Upgrade PS#0692		31-Aug-16 A	06-Sep-16 A	PS#0692
PS10140	Engineering Design - Upgrade PS#0692	714		08-Nov-16 A	ade PS#0692
PS20150	100% Design Submittal -Upgrade PS#0692	63		08-Nov-16 A 02-Oct-17 A	lograde PS#0692 ct-17:A, Permitting
Permitting PS51630	EPA Start Date for Permitting - Upgrade PS#0692**	0		02-OCF17 A	
PS50700	RER/DERM Permit - Upgrade PS#0692	191	08-Nov-16 A	17-May-17 A	
PS50910	EPA Compliance Date for Permitting - Upgrade PS#0692**	0		30-Aug-17 A	emiti-Upafade PS#0692
PS10300	Permitting - Upgrade PS#0692	356	08-Nov-16 A	02-Oct-17 A	ompliance Date for Permitting : Upgrade PS#06 92** nitting - Upgrade PS#0692
PS72000	Building Dept Permit - Upgrade PS#0692	166	17-May-17 A	02-Oct-17 A	
Procurement		718	14-Feb-17 A	31-May-19 A	ling Dept PermitUpgraide PS#0692 ▼ 31-May-19 A, Procurement
PS71930	GMOU Submittal and Approval - Upgrade PS#0692	20	14-Feb-17 A	05-Mar-17 A	nd Approval - Ub grade PS#0692
PS41080	Pre-Purchase Bid Package (Pumps & Valves) - PS#0692	9	23-Mar-17 A	31-Mar-17 A	l Package (Pumps & Valves) -PS#0692
PS41090	Advertise Pre-Purchase (Pumps & Valves) - PS#0692	0	03-Apr-17 A		rchase (Pumps & Valves) - PS#0692
PS41100	Vendor Bid & Award (Pumps & Valves) - PS#0692	18		20-Apr-17 A	ward Pumps & Valves) - PS#0692
PS71850	Internal Bid Package Review - Upgrade PS#0692	3		03-Aug-17 A	3id Package Review - Upgrade PS#0692
PS32940	Design Documents Sent to Procurement - Upgrade PS#0692	0			ocuments Sent to Procurement - Upgrade PS#0692
PS51640	EPA Start Date for Procurement - Upgrade PS#0692	0	01-Sep-17 A	05.5 : : = :	tart Date for Procurement - Upgrade PS#0692
PS50920	EPA Compliance Date for Procurement - Upgrade PS#0692	0	04.447.4	05-Oct-17 A	Compliance Date for Procurement - Upgrade P\$#0692
PS32950	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692	70		14-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692
PS32960	Advertise Bid Package - Upgrade PS#0692	0		01.4 10.4	♦ Ádvertilse Bild Packáge - Úpgrade PS#0692
PS32970	Bid Solicitation Period - Upgrade PS#0692	45	15-Feb-18 A	01-Apr-18 A	Bid Solicitation Period Upgrade PS#0692
PS32980	Bids Due - Upgrade PS#0692	0	02-Apr-18 A	20 May 49 A	♦ Bidş Due - Upgrade P\$#0692
PS32990 PS72900	Bid Review Period - Upgrade PS#0692	30	02-Apr-18 A	29-May-18 A 29-May-18 A	Bid Review Period - Upgrade PS#0692
PS72920	Bids Rejected - Upgrade PS#0692 Revise Bid Packages - Upgrade PS#0692	30	30-May-18 A	12-Aug-18 A	◆ Bids Rejected - Upgrade PS#0692
PS72970	Design Documents Sent to Procurement - Upgrade PS#0692		13-Aug-18 A	12-Aug-10 A	Revise Bid Packages - Upgrade PS#0692
PS72970	Re-Advertise Bid Package (Bid #2) - Upgrade PS#0692	0			◆ Design Documents Sent to Procurement - Upgrade PS#0692
PS72940	Bid Solicitation Period for Revised Pakage (Bid #2) - Upgrade PS#0692	30		03-Oct-18 A	♦ Re-Advertise Bid Package (Bid #2) - Upgrade PS#0692
PS72950	Bids Due for Revised Pakage (Bid #2) - Upgrade PS#0692	0		00 001 1071	Bid Solicitation Period/for Revised Pakage (Bid/#2) - Upgrade PS#0692
PS72980	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692	60	17-Jul-18 A	30-Oct-18 A	♦ Bids Due for Revised Pakage (Bid #2) - Wograde PS#0692
PS72960	Bid Review Period for Revised Pakage (Bid #2) - Upgrade PS#0692	31	04-Oct-18 A	13-Nov-18 A	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692
PS33000	Award Recommendation - Upgrade PS#0692	0		13-Nov-18 A	Bid Review Period for Revised Pakage (Bid #2) - Upgrade PS#0692
PS10470	Procurement - Upgrade PS#0692	175	04-Aug-17 A	23-Jan-19 A	◆ Award Recommendation - Upgrade PS#0692 Procurement - Upgrade PS#0692
PS33010	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0692	60	14-Nov-18 A	23-Jan-19 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0692
PS41070	Pre-Purchase Pumps & Valves - PS#0692	360	23-Mar-17 A	31-May-19 A	Pre-Purchase Pumps & Valves' - PS#0692
PS41110	Fabricate & Deliver Pumps & Valves - PS#0692	331	21-Apr-17 A	31-May-19 A	Fahricate & Deliver Pumps & Values - PS#0692
Construction		1153	06-Oct-17 A	26-Dec-20	Fabricate & Deliver Pumps & Valves - PS#0692, 26-Dec-20, Construction
PS51650	EPA Start Date for Construction - Upgrade PS#0692	0	06-Oct-17 A		Start Date for Construction - Upgrade PS#0692
PS33020	Contractor Notice to Proceed (NTP) - Upgrade PS#0692	0	28-Jan-19 A		◆ Contractor Notice to Proceed (NP) - Upgrade PS#0692
PS50930	EPA Compliance Date for Construction - Upgrade PS#0692	0		17-Jun-20 A	◆ EPA Compliance Date for Construction - Upgrade PS#0692
PS10670	Construction - Upgrade PS#0692	365	28-Jan-19 A	27-Oct-20	Construction - Upgrade PS#0692
PS723000	Commissioning - Upgrade PS#0692	30	28-Sep-20	27-Oct-20	Commissionina - Ubarade PS#0692
PS10860	Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692	0		27-Oct-20*	♦ Sýbstantial Completion (OD Compliance Daté 6/17/20) - Úpgrade PS#0692
PS40790	Project Closeout - Upgrade PS#0692	60	28-Oct-20	26-Dec-20*	Project Claseout - Upgrade PS#0692 26-Dec-20, Project Administration
Project Administration PS35340	WASD Project Administration - Upgrade PS#0692	1647 1647	26-Nov-14 A 26-Nov-14 A	26-Dec-20 26-Dec-20	
II.	f Switchgear PS#0414 and Generator Replacement	2885	07-Oct-14 A	30-Aug-22	WASD Project Administration - Updrade PS#0692 . 30-Aug-22, 5.04 Replacement of Switchgear PS#0414 and Generator Replacement
Engineering Design	Someongeal Femore and Constitute Replacement	540	07-Oct-14 A	30-Mar-16 A	
Permitting		793	14-May-15 A	15-Jul-17 A	A. Permitting plance Date for Permitting - PS#0414 pp-1/A. Procurement pp-1/A. Procurement - PS#0414** inclance Date for Procurement - PS#0414** inclance Date for Procurement - PS#0414* inclance Date for Construction - PS#0414 WASD Project Administration - PS#0414 WASD Project Administration - PS#0414
Procurement		836	08-Jun-15 A	20-Sep-17 A	DIRECTOR OF THE PROPERTY OF TH
Construction		683	16-Aug-17 A	15-Jun-19 A	15-Jun-19 A, Construction FPA Compliance Date for Construction -, PS#M14 - ,
Project Administration		1316		30-Sep-20	▼ 30-Şep-2Ų, Project Admnistration
PS35330	WASD Project Administration - PS#0414	1316		30-Sep-20	WASD Project Administration - PS#0414 30-Sep-20, 5.04 (1) Replacement of Switchgear PS#0414
	of Switchgear PS#0414	1787	17-Oct-14 A	30-Sep-20	V συγεργείν, συνή (1) περιασεπιετί οι σωτιστήσει το ποντιστήσει τ
Pre-Design Engineering Design		112 415		06-Feb-15 A 30-Mar-16 A	
Permitting		386		15-Jun-17 A	. Permitting
Procurement		310		20-Sep-17 A	Permitting (mittal Psign414 in intelligence in
Construction		717	21-Sep-17 A	30-Sep-20	30-\$ep-20, Construction
PS32370	Contractor Notice to Proceed (NTP) - PS#0414	0	21-Sep-17 A		actor/Notice to Proceed/(NTP)/- PS#0414
PS723790	FPL Connection - PS#0414	0		12-Apr-19 A	◆ FPL Connection - PS#0414
PS723150	Construction - PS#0414	301	21-Sep-17 A	11-Jun-19 A	Construction - PS#0414
PS723010	Commissioning - PS#0414	56	15-Apr-19 A	11-Jun-19 A	Commissioning - PS#0414
PS10770	Substantial Completion (CD Compliance Date 6/15/19) - PS#0414	0		11-Jun-19 A	◆ Substantial Completion (CD Compliance Date 6/15/19) - PS#0414
PS40800	Project Closeout - PS#0414	60	12-Jun-19 A	30-Sep-20*	Project Closeout - PS#0414
5.04 (2) Generator Rep	placement	1400	15-Aug-18 A	30-Aug-22	▼ 30-Aug-22, 5.04 (2) Generator Replacement
Pre-Design	Dr. Doring DOUGHAA Occupator Deal	90		30-May-19 A	▼ 30-May-19 A, Pre-Design
PS723160	Pre-Design - PS#0414 Generator Replacement	90		30-May-19 A	Pre-Design - PS#0414 Generator Replacement
Engineering Design			31-May-19 A	30-Aug-20	



	cree Schedule - June 2020 Update	1 0		. ,	Baseline (By Phase) 15-Jul-20 14:52 - Page No. 40 of 43
tivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1
PS50000	Bldg. Dept. Permit Submittal - PS#0417	0	29-Sep-16 A		PS#0417
PS50100	DERM Permit Approval - PS#0417	77	02-Sep-16 A	17-Nov-16 A	S#0417
PS50010	Bldg. Dept. Permit Submittal Review - PS#0417	53	29-Sep-16 A	20-Nov-16 A	tal Réview - PS#0417
PS50060	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0417	146	21-Nov-16 A	15-Apr-17 A	ubmits Responses to Bldg. Dept. Permit Submittal - PS#0417
PS51070	EPA Compliance Date for Permitting - PS#0417**	0		31-Jul-17 A	npliance Date for Permitting - PS#0417**
PS10290	Permitting - PS#0417	429	30-May-16 A	01-Aug-17 A	g - P\$#0417
PS50090	Bldg. Dept. Permit Approval - PS#0417	108	16-Apr-17 A	01-Aug-17 A	ot. Permit Approval - PS#0417. ▼ 25-Jan-18 A, Procurement
Procurement		451	09-Dec-16 A	25-Jan-18 A	▼ 25-Jan-18 A, Procurement
PS32560	Design Documents Sent to Procurement - PS#0417	0	09-Dec-16 A		to Procurement -PS#0417
PS51800	EPA Start Date for Procurement - PS#0417	0	01-Feb-17 A		rocurement:-PS#0417
PS32570	Submit/Approve SBD Goals and Request to Advertise - PS#0417	195	09-Dec-16 A	21-Jun-17 A	prove SBD Goals and Request to Adventise - PS#0417
PS32580	Advertise Bid Package - PS#0417	0	22-Jun-17 A		ld Package - PS#0417
PS32590	Bid Solicitation Period - PS#0417	63		23-Aug-17 A	icitation Period - PS#0417
PS32600	Bids Due - PS#0417	0	24-Aug-17 A		Je - PS#0417
PS51080	EPA Compliance Date for Procurement - PS#0417	0		30-Sep-17 A	Compliance Date for Procurement - PS#0417
PS32610	Bid Review Period - PS#0417	51	24-Aug-17 A	28-Dec-17 A	Bid Review Period - P\$#0417
PS32620	Award Recommendation - PS#0417	0		28-Dec-17 A	Award Recommendation - PS#0417
PS10460	Procurement - PS#0417	326	09-Dec-16 A	25-Jan-18 A	Procurement -PS#0417
PS32630	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0417	17		25-Jan-18 A	Final Approvals (BCC, Mayor, Risk Mgmt) - P\$#0417.
Construction		1035	01-Oct-17 A	30-Aug-20	☐ 30-Aug-20, Constfuction
PS51810	EPA Start Date for Construction - PS#0417**	0			Start Date for Construction - PS#0417**
PS32640	Contractor Notice to Proceed (NTP) - PS#0417	0	12-Feb-18 A	0011	◆ Contractor Notice to Proceed (NTP) - PS#04:17
PS723810	FPL Connection - PS#0417	0		29-May-20 A	FPL Connection - PS#0417
PS10660	Construction - PS#0417	420	12-Feb-18 A	01-Jul-20	Construction - PS#0417
PS723040	Commissioning - PS#0417	40	01-Jun-20 A	01-Jul-20	Commissioning PS#0417
PS10880	Substantial Completion (CD Compliance Date 7/25/20) - PS#0417	0		01-Jul-20*	♦ Substantial Completion (CD Compliance Date 7/25/20) - P\$#0417
PS51090	EPA Compliance Date for Construction - PS#0417	0		25-Jul-20*	◆ EPA Compliance Date for Construction - PS#0417
PS40820	Project Closeout - PS#0417	60	02-Jul-20	30-Aug-20*	Project Closeout - PS#0417. 30-Aug-20, Project Administration
Project Administration		1478	06-Feb-15 A	30-Aug-20	▼ 30-Aug-20, Project Administration
PS35300	WASD Project Administration - PS#0417	1478	06-Feb-15 A	30-Aug-20	WASD Project Administration - PS#0417 27-Jan-19 A, 5.08 Replacement of Electrical and Mechanical Equipment in PS#0107 23-19-19-19-19-19-19-19-19-19-19-19-19-19-
5.08 Replacement	of Electrical and Mechanical Equipment in PS#0107	1635	10-Aug-14 A	27-Jan-19 A	Rown Rown Rown Rown Rown Rown Rown Rown
5.09 Replacement	of Pumping and Electrical Equipment at PS#0301 (w/ Updated EPA Dates)	2792	08-Sep-14 A	30-Apr-22	▼ 30-Apr-22, 5.09 Replacement of Pumping and Electrical Equipment at PS#0301 (w/ Updated El
Pre-Design		1242	•	01-Jun-18 A	▼ :01-Jun-18 A; Pre-Design
PS20280	Pre-Design - PS#0301	74	08-Sep-14 A	20-Nov-14 A	
PS72770	TA Revision for New PS - PS#0301 Construction	0	22-Dec-17 A	01-Jun-18 A	TA Revision for New PS - PS#0301. Construction 04-Feb-19 A, Engineering Design
Engineering Design		1727	07-Oct-14 A	04-Feb-19 A	▼ 04-Feb-19 A, Engneering; Design
PS51860	EPA Start Date for Engineering Design - PS#0301**	0	07-Oct-14 A		
PS30810	Basis of Design Report (BODR) - PS#0301	151	24-Nov-14 A	23-Apr-15 A	
PS30820	BODR Review Period - PS#0301	39	24-Apr-15 A	01-Jun-15 A	
PS31290	Negotiate Scope & Fee of Remaining Design (HDR) - PS#0301	67	17-May-15 A	22-Jul-15 A	p301
PS30830	30% Design Submittal - PS#0301	92		22-Oct-15 A	
PS30840	30% Design Review - PS#0301	8	23-Oct-15 A	30-Oct-15 A	
PS30850	60% Design Submittal - PS#0301	70		08-Jan-16 A	
PS30860	60% Design Review - PS#0301	17		25-Jan-16 A	
PS10070	Engineering Design - PS#0301	548		24-May-16 A	gineering Design - PS#0301
PS30870	100% Design Submittal - PS#0301	120	26-Jan-16 A	24-May-16 A	
PS51260	EPA Compliance Date for Engineering Design - PS#0301	0		31-Oct-17 A	A Compliance Date for Engineering Design - PS#0301
PS72630	Project on Hold - PS#0301 Construction	96	28-Jul-17 A	22-Dec-17 A	Project on Hold - PS#0301 Construction
PS72610	100% Revised Design/Permit Ready Submittal - PS#0301 Construction	62	20-Mar-18 A	18-Dec-18 A	100% Revised Design/Permit Ready Submittal - PS#0801 Construction
PS72890	Final Bid Set Submittal - PS#0301 Construction	30	25-Jan-19 A	04-Feb-19 A	Final Bid Set Submittal - PS#0301 Construction 01-0ct-19/A, Permitting
Permitting	DEDM D POWOOA	1023		01-Oct-19 A	U1-Oct-19/A, Permitting
PS41620	DERM Permit - PS#0301	64	23-May-16 A	04-Nov-16 A	
PS41660	Municipality Bldg. Dept. Permit Approval - PS#0301	8		07-Dec-16 A	Permit Approval - PS#0301
PS51870	EPA Start Date for Permitting - PS#0301 Construction	0	01-Nov-17 A	05 :	A Start Date for Permitting - PS#0301 Construction
PS51270	EPA Compliance Date for Permitting - PS#0301 Construction	0		29-Apr-18 A	♦ EPA Compliance Date for Permitting - PS#0301 Construction
PS72780	Site Plan Approval for Revised Drawings - PS#0301 Construction	60		21-Jun-18 A	Site Plan Approval for Revised Drawings-PS#0301 Construction
PS723770	Tree Permit - PS#0301 Construction	30		05-Mar-19 A	Tree Permit- PS#0301 Construction
PS72620	DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction	60		09-Mar-19 A	DERNWRER Permit Approval for Revised Drawings - PS#0301 Construction
PS723760	Wetland Delineation Permit - PS#0301 Construction	30		09-Mar-19 A	Wetland Delineation Permit - PS#0301 Construction
PS72800	City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction	60		30-Apr-19 A	City of Sunny Isle Bidg Permit Approval for Revised Drawings - P.S#0301 Construction
PS10220	Permitting for Revised Drawings - PS#0301 Construction	117		01-Oct-19 A	Permitting for Revised Drawings - PS#0301 Construction
PS72790	MCD Fire/DERM Env Permit for Revised Drawings - PS#0301 Construction	22		01-Oct-19 A	MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301. Construction
Procurement		1068	08-Dec-16 A	08-Dec-19 A	▼ (U8-Dec-19 P., Procurement
PS32650	Design Documents Sent to Procurement - PS#0301	0	08-Dec-16 A		to Procurement - PS#0301
PS32660	Submit/Approve SBD Goals and Request to Advertise - PS#0301	105		22-Mar-17 A	BD Goals and Request to Advertise - PS#0301
PS32670	Advertise Bid Package - PS#0301	0	23-Mar-17 A		kage:- PS#0301
PS32680	Bid Solicitation Period - PS#0301	35		26-Apr-17 A	Period - PS#0301
PS32690	Bids Due - PS#0301	0	27-Apr-17 A		10301
PS32700	Bid Review Period - PS#0301	93	27-Apr-17 A	28-Jul-17 A	w Period - PS#0301
PS32710	Scope Change Letter sent to EPA - PS#0301	0		28-Jul-17 A	nangė Letter sent to EPA - PS#0301
PS51880	EPA Start Date for Procurement - PS#0301 Construction	0	30-Apr-18 A		◆ EPA Start Date for Procurement - PS#0301 Construction
PS51280	EPA Compliance Date for Procurement - PS#0301 Construction	0		26-Oct-18 A	♦ EPA Compliance Date for Procurement - PS#0301 Construction
	Submit/Approve SBD Goals and Request to Advertise - PS#0301 Construction	38	12-Jan-19 A	21-Feb-19 A	Submit/Approve SBD Goals and Reguest to Advertise - PS#0301 Construction
PS72830	Submit/Applove SBB Coals and Request to Adventise - 1 S#0501 Construction	00			

WASD Consent Do	ecree Schedule - June 2020 Update		Stand	dard Layout w	Baseline (By Phase) 15-Jul-20 14:52 - Page No. 41 of 43
ctivity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026
PS32720	Advertise Bid Package - PS#0301 Construction	0	04-Apr-19 A		Q1 Q2 Q3 Q4 Q1 Q2 Q3 <
PS72840	Bid Solicitation Period - PS#0301 Construction	45	•	11-Jul-19 A	♦ Advertise Bid Package - PS#0301 Construction
PS72850	Bids Due - PS#0301 Construction	0	·	71 001 13 71	Bid Solicitation Period - PS#0301 Construction
PS72860	Bid Review Period - PS#0301 Construction	29		13-Aug-19 A	Bids Due - PS#0301 Construction ■ Bid Review Paris Review Paris Review Prince
PS72870	Award Recommendation - PS#0301 Construction	0		13-Aug-19 A	Bid Review Period PS#0301 Construction ◆ Award Recommendation - PS#0301 Construction
PS72600	Procurement of Revised Scope - PS#0301 Construction	194	28-Mar-19 A	08-Dec-19 A	Procurement of Revised Scope - PS#0301 Construction
PS72880	Final Approval - PS#0301 Construction	60	14-Aug-19 A	08-Dec-19 A	Final Approval - PS#0301 Construction
Construction		1278	27-Oct-18 A	30-Apr-22	▼ 30-Apr-22, Construction
PS51890	EPA Start Date for Construction - PS#0301 Construction	0			◆ EPA Start Date for Construction - PS#0301 Construction
PS32730	Contractor Notice to Proceed (NTP) - PS#0301 Construction	0	********		Contractor Notice to Proceed (NTP) - PS#0301 Construction
PS72590	Construction of New PS - PS#0301 Construction	601	09-Dec-19 A	23-Aug-21	Construction of New PS - PS#0301 Construction
PS723050	Commissioning - PS#0301 Construction	60	25-Jun-21	23-Aug-21	Commissioning - PS#0301 Construction
PS10790 PS51290	Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction	0		23-Aug-21* 24-Jan-22*	◆ Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction
PS723820	EPA Compliance Date for Construction - PS#0301 Construction Demolition of Existing PS & Construction of New Generator Tank (Non-CD) - PS#0301 Construction	200	24-Aug-21	24-Jan-22 11-Mar-22	
PS40840	Project Closeout - PS#0301 Construction	50	12-Mar-22	30-Apr-22*	Demolition of Existing PS & Construction of New Generator Tank (Non-CD) - PS#0301 Construction
Project Administration		2223	24-Nov-14 A	30-Apr-22	Project Qosegut - P\$#0301.Construction 30-Apr-22, Project Administration
PS35280	WASD Project Administration - PS#0301 Construction	2223	24-Nov-14 A	30-Apr-22	The state of the s
5.10 Upgrade of F	PS#0488	1332	07-Oct-14 A	09-May-18 A	7 09-May-18 A 35 10 Upgrade of PS#0488 WASD Project Administration - PS#0301 Constitution. WASD Project Administration - PS#0301 Constitution.
	of 48 inch FM from Kendall Dr. to the Suction Side of PS#0536	1718	07-Oct-14 A	31-Jul-20	▼ 31-Jul-20, 5.11 Installation of 48 inch FM from Kendall Dt. to the Suction Side of PS#0536
Pre-Design		136	31-Jul-15 A	14-Dec-15 A	
Engineering Design		647	07-Oct-14 A	15-Jul-16 A	058K⊎ndal Dr. to PS#0536**
Permitting		687	14-May-15 A	31-Mar-17 A	mtting BaldingsFermittiog - Install 60° FM from Kendal Dr. to PS#0536
Procurement		816		31-Aug-17 A	h-17 A. Produrement autorial Statement Hard Control of the Control
Construction PS51970	EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536**	884	18-Jan-17 A 18-Jan-17 A	31-Jul-20	1
PS33200	Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536	0	30-Aug-17 A		nstruction - Install 60" FIM from Kendal Dr. to PS#0536**
PS10570	Construction - Install 60" FM from Kendal Dr. to PS#0536	261		13-Feb-19 A	ctor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536 Construction - Install 60" FM from Kendal Dr. to PS#0536
PS723060	Commissioning - Install 60" FM from Kendal Dr. to PS#0536	30		13-Feb-19 A	
PS10810	Substantial Completion (CD Compliance Date 5/18/19) - Install 60" FM from Kendal Dr. to PS#0536	0		13-Feb-19 A	Commissioning - Install 60" FM from Kendal Dr. to IPS#0536 Substantial Completion (CD Compliance Date 5/18/19) - Install 60" FM from Kendal Dr. to PS#0536
PS51180	EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to PS#0536	0		18-May-19 A	◆ EPA Compliance Date for Construction - Install 60° FM from Kendal Dr. to PS#0536
PS40860	Project Closeout - Install 60" FM from Kendal Dr. to PS#0536	90	14-Feb-19 A	31-Jul-20*	
Project Administration	on	1338	17-Dec-14 A	31-Jul-20	Project Closedut - Install 60": FM from Kendal Dr. to PS#0536 ▼ 31-Jul-20, Project Administration
PS35260	WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536	1338		31-Jul-20	WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536 30-Sep-20, 5.12 Replacement of Switchgear at PS#0187
5.12 Replacemen	nt of Switchgear at PS#0187	1759	07-Oct-14 A	30-Sep-20	▼ 30-Şep-20, 5.12 Replacement of Switchgear at PS#0187
Pre-Design		118		24-Feb-15 A	
Engineering Design		414 454		25-Nov-15 A 10-Aug-16 A	PS#6187**
Permitting Procurement		877	-	03-Nov-17 A	Replace S/G at PS#0187** -Nov-17 A. Proculement
Construction		875		30-Sep-20	30-Şep-20, Construction
PS33290	Contractor Notice to Proceed (NTP) - PS#0187	0	09-Mar-17 A		o Proceed (NTP) - PS#0187
PS71600	EPA Start Date for Construction - Replace S/G at PS#0187	0	01-Apr-17 A		pr Construction - Replace S/G at PS#0187
PS10560	Construction - Replace S/G at PS#0187	416	09-Mar-17 A	25-Mar-19 A	Construction - Replace S/G at PS#p187
PS723070	Commissioning - PS#0187	35	04-Nov-18 A	25-Mar-19 A	Commissioning - PS#0187
PS10820	Substantial Completion (CD Compliance Date 3/26/19) - Replace S/G at PS#0187	0		25-Mar-19 A	♦ Substantial Completion (CD compliance Date 3/26/19) - Replace S/G at; PS#0187
PS51140	EPA Compliance Date for Construction - Replace S/G at PS#0187	0		26-Mar-19 A	◆ EPA Compliance Date for Construction - Replace S/G at PS#0187 ■ EPA Compliance Date for Construction - Replace S/G at PS#0187
PS40870	Project Closeout - PS#0187	107	26-Mar-19 A	30-Sep-20	Project Qoseaut - PS#0187
Project Administration PS35250	WASD Project Administration - Replace S/G at PS#0187	1194 1194	24-Feb-15 A 24-Feb-15 A	30-Sep-20 30-Sep-20	1 : : : : : : : : : : 1 : : : : : : : :
	mergency Generators and Controls at Regional Pump Stations	687	02-Sep-14 A	20-Jul-16 A	wASD Project Administration - Replace \$/G at PS#0187 gency Generators and Controls at Regional Pump Stations WASD Project Administration - Replace \$/G at PS#0187
5.14 Upgrade of F		652	· ·	31-Dec-13 A	Management of the State Commission (State Commission Co
	P\$#0065, 0201, 0334, 0374, 0607	2916	12-Dec-10 A	25-Jan-18 A	▼ 25-Jan-18 A, 5,15 Upgrade of PS#0065, 0201, 0384, 0374, 0607
Engineering Design		1496		16-Jan-15 A	┩ ╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆╌╌┆
Permitting		1579	12-Dec-10 A	09-Apr-15 A	1, 0334, 0374, 0607** 607, 0374, 0607.
Procurement		1625	12-Dec-10 A	25-May-15 A	7. 0334. 0374. 0607**
Construction		1845	12-Dec-10 A	31-Dec-15 A	entersispeetis essainness/n2000/0334; 0374, 0607
	tion 0065 Compliance Project	508	J	22-Dec-15 A	Mande Project 231/13) : 58#0065 Compliance Project
. ,	ump Station 0065 Phase 1	446	Ü	21-Oct-15 A	US : FM for PS#0065 Phase 1 ▼ 25-Jan-18 A, 5, 15 (12) FM for Pump Station 0065 Phase 2 (Non-Consent Decree) Substantial Completion - FM for PS#0065 Phase 2 (Non-Consent Decree)
	ump Station 0065 Phase 2 (Non-Consent Decree)	1561	28-Aug-14 A	25-Jan-18 A	Substantial Completion - FM for PS#0065 Phase 2 (Non Consent Degree)
	tion 0201 Compliance Project	976	01-Jan-13 A 01-Jan-13 A	04-Sep-15 A 30-Dec-15 A	Project) - PS#0201 Compliance Project plance Project
5.15 (3) Pump Stat 5.15 (3.1) FM for Pu	tion 0334 Compliance Project	846	01-Jan-13 A 01-Jan-13 A	27-Apr-15 A	blance Project 2/31/15) - PS#0334 Compliance Project
	tion No. 0374 Upgrade	1118		03-Jan-14 A	Pump Station 0334
	tation No. 0374 FM Installation	1118		03-Jan-14 A	
	tion 0607 Compliance Project	1025		23-Oct-15 A	e Project (15) - PS#0607 Compliance Project
	PS#0198, 0437, 0466, 0680	1550		30-Nov-19 A	(15)iPS#0607, Compliance, Project. 30-Nov-19 A, 5.16, Upgrade of PS#0198, 0437, 0466, 0680
Engineering Design	, , , , , , , , , , , , , , , , , , , ,	273		02-Oct-15 A	DESCRIPTION 0.427 0.456 0.650**
Permitting		140			E-BSB(0)198; 0437; 0466, 0680** ##0496, 0487, 0466, 0680**
Procurement		229	04-Nov-15 A	20-Jun-16 A	1881 10487 JB 4787 JB 477 JD 466 JD 680.**
Construction	den 0400 Orang llance Barlant	1018	18-Apr-16 A	31-Dec-18 A	31-Dec-18 A, Construction 31-Dec-18 A, Construc
	tion 0198 Compliance Project	1305		28-Feb-19 A	### ### ##############################
	tion No. 0437 Upgrade	1063	03-Nov-14 A	28-Mar-19 A	18) - PS#0437 Upgrade 18) - Staton 0466 Compliance Project
	tion 0466 Compliance Project	1063 1063	03-Nov-14 A 03-Nov-14 A	27-Oct-17 A 30-Nov-19 A	Building Bui
5.16 (4) Pump Stat		2305		25-Jan-22	rade: ▼ 25-Jan-22, 5.17 Upgrade of PS#0037, 0351, 0370, 0403
5.17 Upgrade of F	PS#0037, 0351, 0370, 0403	2305	03-001-13 A	20-0a11-22	1

	cree Schedule - June 2020 Update Activity Name	Original		ard Layout w E	aseline (By Phase) 15-Jul-20 14:52 - Page No. 42 of 4
tivity ID	Activity Name	Original Duration	Start	FINISH	2018 2019 2020 2021 2022 2023 2024 2025 2026 Q1 Q2 Q3 Q4 Q1 Q3 Q3 Q4 Q1 Q3 Q3 Q4 Q1 Q3 Q3 Q4 Q1 Q3 Q3 Q4 Q1 Q3 Q3 Q3 Q3 Q3 Q1 Q1
Engineering De sign		336	05-Oct-15 A	05-Sep-16 A	gn Ing PSI#HDDAT (dB 75 lb 0 85 77 lb - PSI#D 0 37 , 0 35 1 , 0 37 0 , 0 40 3
Permitting		314	05-Jun-16 A	15-Apr-17 A	Imitting Throads and agree the street agree to
Procurement		173	23-Nov-16 A	15-May-17 A 30-Nov-18 A	B. Clear General Part LESS 1. (135113511371141.) Procurement TOPS TOP
Construction 5.17 (1) Pump Station	on 0037 Compliance Project	628 978	12-Apr-17 A 05-Oct-15 A	31-Jul-20	金 Skulpstramtid Maria RA Partial Planta Conductor (Partial Planta) (1) Pump Station 0037 Compliance Project
Pre-Design	The Compliance Froger	69	31-Jan-16 A	08-Apr-16 A	
Engineering Design		315	05-Oct-15 A	15-Aug-16 A	
Permitting		255	05-Jun-16 A	15-Feb-17 A	ting .
Procurement		140	23-Nov-16 A	12-Apr-17 A	bouement ###################################
Construction PS33740	Contractor Notice to Proceed (NTP) - PS#0037 Compliance Project	396	09-May-17 A 09-May-17 A	31-Jul-20	
PS12582	Milestone I Construction of PS and FM - PS#0037 Compliance Project	210	09-May-17 A	14-Nov-17 A	ice to Proceed (NTP) - PS#0087 Compliance Project Milestone I Construction of PS and FM - PS#0037 Compliance Project
PS12592	Milestone I Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0037 Compliance Project	0		14-Nov-17 A	
PS72010	Phase II Substantial Completion (Non-Consent Decree) - PS#0037 Compliance Project	0		27-Apr-18 A	ilestone I Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0037, Compliance Project ◆ Phase II Substantial Completion (Non-Consent Degree) - PS#0037 Compliance Project
PS40920	Project Closeout - PS#0037 Compliance Project	40	28-Apr-18 A	31-Jul-20*	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
Project Administration		832	05-Oct-15 A	31-Jul-20	Project Closequt - PS#0037 Compliance Project ✓ 31-Jul-20, Project Administration
PS35200	WASD Project Administration - PS#0037 Compliance Project	832	05-Oct-15 A	31-Jul-20	WASD Project Administration - PS#0037 Compliance Project
5.17 (2) Pump Station		797	15-Jan-16 A	31-Jan-19 A	WA SD Project Administration - PS#0.037 Compliance Project 31 Jan-19 A, 5.17 (2) Pump Stal ion No. 0351 Upgrade 9026-rdulegrade-bate 11/20/181 - PS-90351 Upgrade
	ion 0351 FM Replacement	1244	16-Jul-18 A	25-Jan-22	▼ 25-Jan-22, 5.17 (2.1) Pump Station 0351 FM Replacement ▼ 01-Jul-19 A, Pre-Design
Pre-Design	Dra Dagiera DC#0254 FM Daglacoment	90	16-Jul-18 A	01-Jul-19 A	
PS723500 Engineering Design	Pre-Design - PS#0351 FM Replacement	90	16-Jul-18 A 02-Jul-19 A	01-Jul-19 A 21-Sep-20	Pre-Design - P\$#035 FM Replacement V 21-Sep-20; Engineering Design
PS723510	30% Design Submittal / Review - PS#0351 FM Replacement	30	02-Jul-19 A 02-Jul-19 A	14-Jul-20	
PS723530	90% Design Submittal / Review - PS#0351 FM Replacement	53	15-Jul-20	05-Sep-20	30% Design Submittal / Review - PS#0351 FM Replacement 90% Design Submittal / Review - PS#0351 FM Replacement
PS723540	Engineering Design - PS#0351 FM Replacement	74	02-Jul-19 A	21-Sep-20	Engineering Design - PS#0351 FM/Replacement
PS723550	100% Design Submittal / Review - PS#0351 FM Replacement	16	06-Sep-20	21-Sep-20	
Permitting		95	30-Jul-20	01-Nov-20	. □ 100% Design Submittal / Review - PS#0351 FM Replacement 01-Nov-20, Permitting
PS723570	Permitting - PS#0351 FM Replacement	95	30-Jul-20	01-Nov-20	Permitting - PS#0351 FM Replacement 30-Apr-21, Procurement
Procurement	D : D D DOWNSTATAD I	180	02-Nov-20	30-Apr-21	→ → → → → 30-Apr-21, Procurement
PS723610	Design Documents Sent to Procurement - PS#0351 FM Replacement	0	02-Nov-20	24 Dec 20	◆ Design Documents Sent to Procurement - P\$#0351 FM Replacement
PS723620 PS723630	Submit/Approve SBD Goals and Request to Advertise - PS#0351 FM Replacement Advertise Bid Package - PS#0351 FM Replacement	60	02-Nov-20 01-Jan-21	31-Dec-20	Submit/Approve SBD Goals and Request to Advertise - PS#0351 FM Replacement
PS723640	Bid Solicitation Period - PS#0351 FM Replacement	45	01-Jan-21	14-Feb-21	◆ Advertise Bid Package - PS#0351 FM Replacement
PS723650	Bids Due - PS#0351 FM Replacement	0	15-Feb-21	1416521	□ Bid Solicitation Period - PS#0351 FM Replacement
PS723660	Bid Review Period - PS#0351 FM Replacement	30	15-Feb-21	16-Mar-21	◆ Bids Due - PS#0351 FM Replacement
PS723670	Award Recommendation - PS#0351 FM Replacement	0		16-Mar-21	□ Bid Review, Period - PS#0351; FM Replacement; ◆ Award Recommendation - PS#0351 FM Replacement
PS723680	Procurement - PS#0351 FM Replacement	180	02-Nov-20	30-Apr-21	Procurement - PS#0351 FM Replacement
PS723690	Final Approvals - PS#0351 FM Replacement	45	17-Mar-21	30-Apr-21	Final Approvals - PS#0351 FM Replacement
PS723700	P.O. Issued - PS#0351 FM Replacement	0		30-Apr-21	◆ P.O. Issuled - PS#0351 FM Replacement 25-Jan-22, Construction
Construction		270	01-May-21	25-Jan-22	▼ 25-Jan-22, Construction
PS723710	Contractor Notice to Proceed (NTP) - PS#0351 FM Replacement	0	01-May-21		◆ Contractor Notice to Proceed (NTP) - PS#0351 FM Replacement
PS723720	Construction - PS#0351 FM Replacement	180	01-May-21	27-Oct-21	Construction - PS#0351 FM Replacement
PS723750	Commissioning- PS#0351 FM Replacement	30	28-Sep-21	27-Oct-21	☐ Commissioning- PS#0351 FM Replacement
PS723730 PS723740	Substantial Completion (Non-Consent Decree) - PS#0351 FM Replacement Project Closeout - PS#0351 FM Replacement	90	28-Oct-21	27-Oct-21 25-Jan-22	◆ Substantial Completion (Non-Consent Decree) - PS#0351 FM Replacement
	on No. 0370 Upgrade and Installation of FM	856	16-Dec-15 A	31-Jan-19 A	Project Closeout - PS#0351 FM Replacement 31-Jan-19 A. 5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM
5.17 (4) Pump Station		967	16-Dec-15 A	30-Aug-20	7 31-Jan-19 A, 5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM 15 31-Jan-19 A, 5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM 30-Aug-20, 5.17 (4) Pump Station 0403 Upgrade
Pre-Design	n otto opgrade	118	16-Dec-15 A	11-Apr-16 A	
Engineering Design		147	11-Apr-16 A	05-Sep-16 A	
Permitting		164	05-Sep-16 A	16-Feb-17 A	ting :
Procurement		134	23-Nov-16 A	05-Apr-17 A	curement as a substitution 30-Aug-20, Construction
Construction PS34190	Contractor Notice to Proceed (NTP) - PS#0403 Upgrade	478	18-Apr-17 A 18-Apr-17 A	30-Aug-20	
PS12842	Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0403 Upgrade	0	10 Apr-17 A	30-Apr-18 A	e to Proceed (NTP) - PS#0403 Upgrade
PS12832	Construction - PS#0403 Upgrade	180	18-Apr-17 A	30-Apr-18 A	◆ Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0403 Upgrade Construction: - PS#0403 Upgrade
PS72020	Substantial Completion (Generators) - PS#0403 Upgrade	0	- 	23-May-18 A	
PS40970	Project Closeout - PS#0403 Upgrade	70	01-May-18 A	30-Aug-20*	◆ Substantial Completion (Generators) - PS#0403 Upgrade Project Closeout, PS#0403 Upgrade
Project Administration		622	11-Apr-16 A	30-Aug-20	Project Closeout - PS#0403 Upgrade 30-Aug-20, Project Administration
PS35150	WASD Project Administration - PS#0403 Upgrade	622	11-Apr-16 A	30-Aug-20	WASD Project Administration - PS#0403 Uograde ▼ 30-Sep-20, 5.18 Upgrade of PS#0441, 0491, 0710, 0827, 0852, 1236
5.18 Upgrade of PS	S#0441, 0491, 0710, 0827, 0852, 1236	1221	08-Nov-16 A	30-Sep-20	
Engineering Design		357	09-Mar-17 A	30-Sep-17 A	ep-17 A. Engineering Design Compilerer in Design Compilerer
Permitting		324	10-Jul-17 A	13-Jun-18 A	13-Jun-18 A, Permitting 13-Jun-18 A, Permitting 13-Jun-18 A, Permitting 23-Jun-18 A, Permitting 23-Jun-18 A, Permitting
Procurement Construction		485 699	08-Oct-17 A 12-Dec-17 A	23-Aug-18 A 13-Dec-19 A	R Driving in Chief Inn Street Linguistic Hards in Fig. 1,0850, 17956, 1852, 1736. 1.3-Dec 19 A. Construction
5.18 (1) Pump Station	on 0441 Upgrade	1097	08-Nov-16 A	31-Jul-20	13-Dec19 A, Colls du John 15-Dec19 A, Colls
Pre-Design		140	08-Nov-16 A	27-Mar-17 A	Design
Engineering De sign		111	28-Mar-17 A	17-Jul-17 A	A, Engineering Design
Permitting		311	18-Jul-17 A	15-Mar-18 A	7.15-Mar-18 A, Permitting
Procurement		189	29-Jan-18 A	24-Aug-18 A	24-Aug-18 A, Procurement Dispute Sun of Stind State (Aug-18 A) Procurement 31-Jul-20, Construction
Construction	Contractor Nation to Proceed (NTD) - DS#0444 I hamde	424	24-Aug-18 A	31-Jul-20	
PS34280 PS12882	Contractor Notice to Proceed (NTP) - PS#0441 Upgrade Construction - PS#0441 Upgrade	300	24-Aug-18 A 24-Aug-18 A	14-Aug-19 A	◆ Contractor Notice to Proceed (NTP) - PS#0441 Upgrade
PS723080	Commissioning - PS#0441 Upgrade	50	02-Jul-19 A	14-Aug-19 A 14-Aug-19 A	Construction - PS#0441 Upgrade
PS12892	Substantial Completion (CD Compliance Date 12/13/19) - PS#0441 Upgrade	0	OZ-JUF13 M	14-Aug-19 A 14-Aug-19 A	Commissioning - PS#0441 Upgrade
PS40980	Project Closeout - PS#0441 Upgrade	50	15-Aug-19 A	31-Jul-20*	◆ \$ubstantial Completion (CD Compliance Date 12/13/19); -PS#0441 Upgrade
Project Administration		664	28-Mar-17 A	31-Jul-20	Project Closedut - PS#0441, Upgrade ▼ 31-Jul-20, Project Administration
Spoot nummiduatiOII	WASD Project Administration - PS#0441 Upgrade	664		31-Jul-20	WASD Project Administration - PS#0441 Upgrade



Appendix C CMOM Program: Financial Analysis Program Report

MIAMI-DADE WATER AND SEWER DEPARTMENT

Consolidated Financial Projection - Wastewater Systems (\$000)

In Thousands

Fiscal Year Actuals Year to Date (October - March 2020)

(On an accrual basis)

Audited UnAudited

Oct-Mar

\$0

\$0

\$0

(\$236,803

(\$26,744)

0.00%

Oct-Sep

(\$30,000

(\$1,390)

(\$489,784

\$0

\$0

0.00%

Wastewater System	FY 18-19	FY 19-20
	Actual	Actual
Revenues:		
Wastewater System Operating Revenues	\$406,399	\$200,599
Interest Income	\$8,931	\$9,460
Other Adjustments (net change accruals&payables)	\$16,010	\$0
Transferred From WASD Water Operations (*Occurs at Year-end flow of funds)	\$58,444	\$0
Total Revenues:	\$489,784	\$210,059
Expenditures:		
Wastewater System Operating & Maintenance Expenditures	(\$252,656)	(\$124,498)
Debt Service - Existing (net of Swap receipts)	(\$151,738)	(\$112,305)
Operating Revenues Transferred To Wastewater Renewal & Replacement Capital Fund	(\$54,000)	\$0

Water and Wastewater Reserve Balances Projected Fiscal Year-End In Thousands

Net Overage/(Deficit) in Wastewater System Revenues (pending transfer from water)

Operating Revenues Transferred To Wastewater Special Construction Fund

Operating Revenues Transferred To Bond Required Reserve

Transferred To WASD Water Operations

% Increase for Net Deficit

Total Expenditures Operating and Non-Operating

Reserve Required By Bond Ordinance Water and Wastewater	\$78,099	\$80,060
Water and Wastewater Rate Stabilization Fund Balance	\$30,534	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$65,676	\$76,780
Water and Wastewater Systems Transfer to/(from) General Reserve	\$11,104	\$0
Water and Sewer General Reserve Fund Ending Balance	\$76,780	\$76,780

^{*} YTD ACTUAL Note: Transfers to the R&R capital fund and to/from water and sewer occur at year-end flow of funds entry that record through the audit process.

Miami-Dade Water and Sewer Department Statement of Revenues, Expenses and Changes in Net Position WASTEWATER - Wastewater Funds For 6 Months Ending March 31, 2020

Report Id: WGLZ11B Run on: 04/14/20 04:11 PM Source: GL

		Unaudited FY 2020		FY 20	019
			Variance		Variance
	Actual	Budget	Fav/(Unfav)	Actual	Fav/(Unfav)
OPERATING REVENUES					
Retail Water	-	-	-	-	-
Retail Wastewater	154,815,616.66	155,852,271.00	(1,036,654.34)	151,659,754.30	3,155,862.36
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	38,077,252.13	35,241,203.00	2,836,049.13	33,698,285.98	4,378,966.15
Other Revenues	7,706,567.21	7,764,357.00	(57,789.79)	7,014,933.61	691,633.60
TOTAL OPERATING REVENUES	200,599,436.00	198,857,831.00	1,741,605.00	192,372,973.89	8,226,462.11
OPERATING & MAINTENANCE EXPENSES					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	15,337,611.09	17,835,309.36	2,497,698.27	15,605,093.85	267,482.76
Sewer Pumping	24,502,442.44	23,800,298.19	(702,144.25)	22,952,874.43	(1,549,568.01)
Sewer Treatment and Disposal	50,084,686.55	56,030,970.02	5,946,283.47	48,241,685.40	(1,843,001.15)
Customer Accounting	1,767,605.34	1,944,342.99	176,737.65	1,823,823.17	56,217.83
Customer Service	5,941,501.04	5,833,581.57	(107,919.47)	5,756,533.17	(184,967.87)
General and Administration	26,864,492.01	33,085,647.67	6,221,155.66	35,865,490.88	9,000,998.87
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
TOTAL OPERATING & MAINTENANCE EXPENSES	124,498,338.47	138,530,149.80	14,031,811.33	130,245,500.89	5,747,162.42
OPERATING INCOME BEFORE DEPRECIATION	76,101,097.53	60,327,681.20	15,773,416.33	62,127,473.00	13,973,624.53
Depreciation	66,717,546.47	-	(66,717,546.47)	63,404,835.28	(3,312,711.19)
OPERATING INCOME (LOSS)	9,383,551.06	60,327,681.20	(50,944,130.14)	(1,277,362.28)	10,660,913.34

Miami-Dade Water and Sewer Department Statement of Revenues, Expenses and Changes in Net Position WASTEWATER - Wastewater Funds For 6 Months Ending March 31, 2020

Report Id: WGLZ11B Run on: 04/14/20 04:11 PM Source: GL

		Unaudited FY 2020		FY 2	2019
NON OPERATING DEVENUE (EVDENOE)	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
NON-OPERATING REVENUE (EXPENSE)					
Customer Connection Fees	12,260,641.82	-	12,260,641.82	14,818,156.33	(2,557,514.51)
Other Revenue	(11,822,213.98)	-	(11,822,213.98)	2,049,529.35	(13,871,743.33)
Other Expense	-	-	-	-	-
Change in Fair Value	(735,605.50)	-	(735,605.50)	4,970,503.50	(5,706,109.00)
Interest Income	5,331,894.26	8,405,925.82	(3,074,031.56)	4,227,610.79	1,104,283.47
Interest Expense	(43,838,947.03)	-	(43,838,947.03)	(39,853,402.27)	(3,985,544.76)
Capitalized Interest	(282,627.93)	-	(282,627.93)	(472,428.63)	189,800.70
Amortization of Debt Issue	(7,887,567.43)	-	(7,887,567.43)	(4,567,663.53)	(3,319,903.90)
Operating Disaster Revenue	(18,556.13)	-	(18,556.13)	-	(18,556.13)
Operating Grants	-	-	-	-	-
Job Order Recovery	511,855.49	-	511,855.49	(27,880.02)	539,735.51
Job Order Expenses	(469,898.66)	-	(469,898.66)	(972,178.25)	502,279.59
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	-	-	-	-
Non-O&M Activity	-	-	-	-	-
TOTAL NON-OPERATING REVENUE (EXPENSE)	(46,951,025.09)	8,405,925.82	(55,356,950.91)	(19,827,752.73)	(27,123,272.36)
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	(37,567,474.03)	68,733,607.02	(106,301,081.05)	(21,105,115.01)	(16,462,359.02)
Capital Contributions	6,901,677.13	<u>-</u> _	6,901,677.13	4,634,427.82	2,267,249.31
INCREASE (DECREASE) IN NET POSITION	(30,665,796.90)	68,733,607.02	(99,399,403.92)	(16,470,687.19)	(14,195,109.71)

Degrating & Maintenance Expenses 100057			Annual		YEAR-TO	D-DATE	
100057							_
100057			2020	2020	2020	2019	2019
100057							
212005 Sewer Collect and Trans (SC) - - - - 3 387,660 295,242 358,332 260110 Communications (SC) 832,251 180,547 415,560 186,612 666,420 260,402 Damages (SC) 136,320 67,757 68,087 72,420 14,844 360,002 Sewer Collection & Trans (SC) 400 - 200 - - - 520,521 Grounds Installs/Landscop (SC) - 700 - - - -	OPERATING &	MAINTENANCE EXPENSES					
212005 Sewer Collect and Trans (SC) - - - - 3 387,660 295,242 358,332 260110 Communications (SC) 832,251 180,547 415,560 186,612 666,420 260,402 Damages (SC) 136,320 67,757 68,087 72,420 14,844 360,002 Sewer Collection & Trans (SC) 400 - 200 - - - 520,521 Grounds Installs/Landscop (SC) - 700 - - - -	100057		550.040	104.004	070.005	405.000	005 400
260004 Security Services (SC) 780,000 250,186 387,660 295,242 358,332 260110 Communications (SC) 832,251 180,547 415,560 186,612 666,420 260402 Damages (SC) 136,320 67,757 68,087 72,420 14,844 350105 Construction Mgmt (SC) 136,320 67,757 68,087 72,420 14,844 350105 Construction Mgmt (SC) 400 -			559,210	401,994	279,605		265,463
260110 Communications (SC) 832,251 180,547 415,560 186,612 666,420 260402 Damages (SC) 136,320 67,757 68,087 72,420 14,844 350105 Construction Mgmt (SC) - 19,678 - - - -			700 000	250 196	207.660		250 222
Damages (SC)				•			
350105 Construction Mgmt (SC) - 19,678 - - -				•			
360002 Sewer Collection & Trans (SC) 400 - 200 - - 200 520521 Grounds Installs/Landscp (SC) - 700 - 37,350 2,568 37,671 520621 Indoor Air Qly Insp Compl (SC) 75,000 - 37,350 2,568 37,671 520621 Install Mech/Hvac-Refr Eq (SC) - 1,539 - 1,267 - 520651 Maint. of Mech Hvac Equip (SC) - 53 - - 640 - 520751 Install. of Plumb Equip (SC) - 2,146 - 5,773 2,756 520871 Misc Projects/Tasks (SC) - 17,948 - 8,745 - 520905 Locksmith Services (SC) - (1) - 219 - 520921 Structural Misc Task (SC) - 2,939 - 36 - 62004 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 4,691 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 1,33,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 1,500 6,026 5,219 8,282 4,043 840104 Inspection (SC) 787,724 429,611 393,402 328,693 385,972 840105 Joint Grouting (SC) 478,300 94,419 237,715 496,957 251,864 840106 Lateral TV Inspection (SC) 1,291,191 299,000 645,478 433,781 115,111 840107 Manhole Inspection (SC) 1,291,191 299,000 645,478 433,781 115,111 840107 Manhole Inspection (SC) 81,255 649,897 40,627 599,399 8,973 40,627 599,399 8,973			130,320		68,087	72,420	14,844
520521 Grounds Installs/Landscp (SC) - 700 - 37,350 2,568 37,671 520601 Install Mech/Hvac-Refr Eq (SC) - 1,539 - 1,267 - 520661 Maint. of Mech Hvac Equip (SC) - 53 - - - 520751 Install. of Plumb Equip (SC) - 2,146 - 5,773 2,756 520871 Misc Projects/Tasks (SC) - 17,948 - 5,773 2,756 520905 Locksmith Services (SC) - (1) - 219 - 520921 Structural Misc Task (SC) - 2,939 - 36 - 620004 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Meter Related Work (SC) 1,354,574 413,610 516,014 321,825 494,078 711301 Sewer Meter Related Work (SC)		0 \ ,	400	19,070	200	-	-
S20601 Indoor Air Qly Insp Compl (SC) 75,000 - 1,539 - 1,267 - 2,20661 Install Mech/Hvac-Refr Eq (SC) - 1,539 - 1,267 - 2,20661 Maint. of Mech Hvac Equip (SC) - 53 640 - 5,20751 Install. of Plumb Equip (SC) - 2,446 - 5,773 2,756 5,20777 Maint. of Plumbing Equip (SC) - 2,446 - 5,773 2,756 5,20871 Misc Projects/Tasks (SC) - 17,948 - 8,745 - 2,100 1,0		. ,	400	700	200	-	-
520621 Install Mech/Hvac-Refr Eq (SC) - 1,539 - 1,267 - 520661 Maint. of Mech Hvac Equip (SC) - 53 - - - 520777 Maint. of Plumb Equip (SC) - 2,146 - 5,773 2,756 520871 Misc Projects/Tasks (SC) - 17,948 - 8,745 - 520905 Locksmith Services (SC) - (1) - 219 - 520921 Structural Misc Task (SC) - 2,939 - 36 - 620004 Sewer Collection & Trans (SC) - 14,082 - 6,966 229,700 630117 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711302 Maint Swr Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Sewer Collection Actv (SC) <td></td> <td></td> <td>- 75 000</td> <td>700</td> <td>27.250</td> <td>2.560</td> <td>- 27 671</td>			- 75 000	700	27.250	2.560	- 27 671
520661 Maint. of Mech Hvac Equip (SC) - 53 -			75,000	1 520	37,350		37,071
Sever Collection & Trans (SC) Sewer Collection & Se			-		-	1,207	-
520777 Maint. of Plumbing Equip (SC) - 2,146 - 5,773 2,756 520871 Misc Projects/Tasks (SC) - 17,948 - 8,745 - 520905 Locksmith Services (SC) - (1) - 219 - 520921 Structural Misc Task (SC) - 2,939 - 36 - 620004 Sewer Collection & Trans (SC) - 14,082 - 6,966 229,700 630117 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 810015 Telemetering/SCADA (SC) <td></td> <td>• • • •</td> <td>-</td> <td>53</td> <td>-</td> <td>640</td> <td>-</td>		• • • •	-	53	-	640	-
520871 Misc Projects/Tasks (SC) - 17,948 - 8,745 - 520905 Locksmith Services (SC) - (1) - 219 - 520921 Structural Misc Crask (SC) - 2,939 - 36 - 620004 Sewer Collection & Trans (SC) - 14,082 - 6,966 229,700 630117 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General			-	2 1 46	-		2.756
520905 Locksmith Services (SC) - (1) - 219 - 520921 Structural Misc Task (SC) - 2,939 - 36 - 620004 Sewer Collection & Trans (SC) - 14,082 - 6,966 229,700 630117 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840101			-		-		2,750
520921 Structural Misc Task (SC) - 2,939 - 36 - 620004 Sewer Collection & Trans (SC) - 14,082 - 6,966 229,700 630117 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840101 Cleaning (SC) 10,500 6,026 5,219 8,282 4,043 840102 <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td>			-		-		-
620004 Sewer Collection & Trans (SC) - 14,082 - 6,966 229,700 630117 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 10,500 6,026 5,219 8,282 4,043 840101 Cleaning (SC) 4,499,814 1,737,526 2,248,436 1,463,308 2,298,152							-
630117 Sewer Collection & Trans (SC) 2,500 - 1,243 - 1,149 650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 10,500 6,026 5,219 8,282 4,043 840101 Cleaning (SC) 4,499,814 1,737,526 2,248,436 1,463,308 2,298,152 840102 Evaluation/Review (SC) 78,982 107,348 39,439 80,509 34,691 <		. ,		,			220 700
650002 Sewer Collection & Trans (SC) 1,250,654 648,513 621,872 577,814 1,681,519 711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 10,500 6,026 5,219 8,282 4,043 840101 Cleaning (SC) 4,499,814 1,737,526 2,248,436 1,463,308 2,298,152 840103 Evaluation/Review (SC) 78,982 107,348 39,439 80,509 34,691 840104 Inspection-Repair Shop (SC) 892,317 514,954 443,719 702,895 33		• ,	2 500	14,002	1 2/12	0,900	
711301 Sewer Meter Related Work (SC) 1,034,574 413,610 516,014 321,825 494,078 711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 10,500 6,026 5,219 8,282 4,043 840101 Cleaning (SC) 4,499,814 1,737,526 2,248,436 1,463,308 2,298,152 840102 Evaluation/Review (SC) 78,724 429,611 393,402 328,693 385,972 840103 Force Main Inspection (SC) 78,982 107,348 39,439 80,509 34,691 840105 Joint Grouting (SC) 478,300 94,419 237,715 496,957 251,864 </td <td></td> <td>•</td> <td></td> <td>6/8 5/3</td> <td></td> <td>577 914</td> <td></td>		•		6/8 5/3		577 914	
711302 Maint Swr Meter Vaults (SC) - 1,796 - 4,691 - 810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 10,500 6,026 5,219 8,282 4,043 840101 Cleaning (SC) 4,499,814 1,737,526 2,248,436 1,463,308 2,298,152 840102 Evaluation/Review (SC) 787,724 429,611 393,402 328,693 385,972 840103 Force Main Inspection (SC) 78,982 107,348 39,439 80,509 34,691 840104 Inspection-Repair Shop (SC) 892,317 514,954 443,719 702,895 337,540 840105 Joint Grouting (SC) 478,300 94,419 237,715 496,957 251,864						·	
810002 Sewer Collection Actv (SC) - (3,520) - 184,767 - 811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 10,500 6,026 5,219 8,282 4,043 840101 Cleaning (SC) 4,499,814 1,737,526 2,248,436 1,463,308 2,298,152 840102 Evaluation/Review (SC) 787,724 429,611 393,402 328,693 385,972 840103 Force Main Inspection (SC) 78,982 107,348 39,439 80,509 34,691 840105 Joint Grouting (SC) 892,317 514,954 443,719 702,895 337,540 840106 Lateral TV Inspection (SC) 478,300 94,419 237,715 496,957 251,864 840107 Manhole Inspections (SC) 81,291,191 299,000 645,478 433,781 1			1,034,374		310,014		494,076
811015 Telemetering/SCADA (SC) 171,409 92,086 85,218 91,688 78,159 840001 Admin. & General (SC) 3,193,394 1,179,882 1,470,517 1,427,481 832,896 840002 Facilities Maint (SC) 10,500 6,026 5,219 8,282 4,043 840101 Cleaning (SC) 4,499,814 1,737,526 2,248,436 1,463,308 2,298,152 840102 Evaluation/Review (SC) 787,724 429,611 393,402 328,693 385,972 840103 Force Main Inspection (SC) 78,982 107,348 39,439 80,509 34,691 840104 Inspection-Repair Shop (SC) 892,317 514,954 443,719 702,895 337,540 840105 Joint Grouting (SC) 478,300 94,419 237,715 496,957 251,864 840106 Lateral TV Inspection (SC) 1,291,191 299,000 645,478 433,781 115,111 840107 Manhole Inspections (SC) 81,255 649,897 40,627 599,399 <td></td> <td>• * *</td> <td></td> <td></td> <td></td> <td></td> <td>-</td>		• * *					-
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840105 Joint Grouting (SC) 478,300 94,419 237,715 496,957 251,864 840106 Lateral TV Inspection (SC) 1,291,191 299,000 645,478 433,781 115,111 840107 Manhole Inspections (SC) - 87,394 - 95,244 - 840108 Manhole Sealing (SC) 81,255 649,897 40,627 599,399 8,973							
840106 Lateral TV Inspection (SC) 1,291,191 299,000 645,478 433,781 115,111 840107 Manhole Inspections (SC) - 87,394 - 95,244 - 840108 Manhole Sealing (SC) 81,255 649,897 40,627 599,399 8,973						'	
840107 Manhole Inspections (SC) - 87,394 - 95,244 - 840108 Manhole Sealing (SC) 81,255 649,897 40,627 599,399 8,973							
840108 Manhole Sealing (SC) 81,255 649,897 40,627 599,399 8,973			1,201,101		0-10,-170	,	-
			81 255		40 627		8 973
2.0.00 100,102 1 101,102 1 101,102 1 101,102							
840110 Metering-Night Flow (SC) 122,593 95,792 61,201 207,509 85,791						·	

		Annual			O-DATE	
		Budget	Actual	Budget	Actual	Budget
		2020	2020	2020	2019	2019
840111	Metering-Pre/Post (SC)	150	_	75	_	27,472
840112	Special Projects Inspect (SC)	3,542,047	904,565	1,768,616	1,358,337	1,649,050
840113	Pump Station Improv Prog (SC)	- 0,042,047	(409)	1,700,010	-	-
840114	Smoke Test (SC)	1,200	22,437	600	46,906	551
840116	Wellfield Protect Inspec. (SC)	-,	248,239	-	107,326	_
840117	I/I Contract - Inspection (SC)	2,058,060	106,592	1,023,013	30,990	459,400
840118	Sect Metal Sleeve Main Li (SC)	-	7,850	-	-	, -
840119	Deroot Main Line (SC)	-	267	-	-	-
840120	Descale Main Line (SC)	-	14,599	-	-	-
840121	Heavy Clean Main Line (SC)	-	6,295	-	-	-
840122	Gravity Main CCTV Insp (SC)	-	605,379	-	-	-
840123	Grout Latrl Annular Space (SC)	-	13,024	-	-	-
840201	Air Rel Valve Maint & Ble (SC)	-	83,859	-	82,752	-
840202	Aut Air Rel Valve Install (SC)	-	-	-	4,179	-
840203	Autom Air Rel Valve Rep (SC)	-	202,428	-	311,942	-
840204	Dye Tests (SC)	-	16,825	-	18,610	-
840206	Force Main Repairs (SC)	807,255	413,744	401,209	239,725	(184,297)
840207	Gravity Main Installation (SC)	-	-	-	2,627	-
840208	Gravity Main Point Reps (SC)	5,594,645	1,863,609	2,795,438	2,265,550	3,293,963
840209	Lateral Location (SC)		855	-		-
840210	Lateral Point Repairs (SC)	565,487	925,322	281,240	836,763	583,835
840211	Maint./Rep-Rep Shop (SC)	403,900	139,578	200,738	71,101	146,411
840212	Manhole Installation (SC)	- 000 400	707.000	4 040 004	7,478	4 404 045
840213	Manhole-Repairs (SC)	3,293,100	767,368	1,642,961	825,422	1,101,945
840214	Restoration (SC)	-	447,033	-	319,865	241,920
840215 840216	Sewer Lateral Inspection (SC)	-	389	-	140	-
840217	Sewer Lateral Install. (SC) System Valve Exercising (SC)	2,038,955	1,124,243	1,018,037	148 1,056,384	927,793
840218	System Valve Installation (SC)	7,150	27,687	3,554	54,540	2,756
840219	System Valve Repair (SC)	7,130	21,001	3,334	(2,844)	2,730
840220	I/I Contract - Maint/Repr (SC)	1,000,000	_	497,000	(199,455)	436,430
840240	Assisting Other Divisions (SC)	1,000,000	41,893	-707,000	12,189	-100,400
850129	Metering (SC)	40,400	65	20,200	94	27,779
Sewer Col		35,999,375	15,337,611	17,835,309	15,605,094	17,145,247
		, ,	, ,	, ,	, ,	, ,
100058	OM Activity - GL use only (SP)	878,841	626,585	439,421	632,180	417,220
212006	Sewer Pumping (SP)	123,680	152,646	61,776	67,138	57,656
260005	Security Services (SP)	1,220,000	399,720	606,340	157,091	790,168

2020 2020 2020 2019			Annual		YEAR-TO	D-DATE	
260120 Communications (SP) 906,277 256,659 452,519 272,325 181,1 320003 Sewer Pumping (SP) - 7,171 - - - 350102 Construction Mgmt (SP) - - - 1,779 - - 1,779 - - - 1,779 360,001 Sewer Pumping (SP) 747,587 198,007 373,387 377,299 365,1 377,299 365,1 - <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Budget</th>							Budget
320003 Sewer Pumping (SP) - 7,171 - - 350102 Construction Mgmt (SP) - - - 1,779 360001 Sewer Pumping (SP) 747,587 198,007 373,387 377,299 365,1 520002 Admin. & General (SP) 1,000 (24,548) 497 12,815 520102 Install. of Elect Equip (SP) - - - - 8,7 520301 Fueling/Recovery Deliv (SP) - 45,272 - 43,912 - 520522 Grounds Installs/Landscp (SP) - 215 - - - 520542 Grounds Maint. Services (SP) 253,584 107,318 126,606 124,115 190,0 520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287<			2020	2020	2020	2019	2019
320003 Sewer Pumping (SP) - 7,171 - - 350102 Construction Mgmt (SP) - - - 1,779 360001 Sewer Pumping (SP) 747,587 198,007 373,387 377,299 365,1 520002 Admin. & General (SP) 1,000 (24,548) 497 12,815 520102 Install. of Elect Equip (SP) - - - - 8,7 520301 Fueling/Recovery Deliv (SP) - 45,272 - 43,912 - 520522 Grounds Installs/Landscp (SP) - 215 - - - 520542 Grounds Maint. Services (SP) 253,584 107,318 126,606 124,115 190,0 520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287<	260120	Communications (SP)	906 277	256 650	<i>4</i> 52 510	272 325	181,166
350102 Construction Mgmt (SP) - - 1,779 360001 Sewer Pumping (SP) 747,587 198,007 373,387 377,299 365,1 520002 Admin. & General (SP) 1,000 (24,548) 497 12,815 520102 Install. of Elect Equip (SP) - - - - 8,7 520301 Fueling/Recovery Deliv (SP) - 45,272 - 43,912 - - - - 8,7 520522 Grounds Installs/Landscp (SP) - 215 -<			500,277		402,010	272,020	101,100
360001 Sewer Pumping (SP) 747,587 198,007 373,387 377,299 365,1 520002 Admin. & General (SP) 1,000 (24,548) 497 12,815 520102 Install. of Elect Equip (SP) - - - - - 8,7 520301 Fueling/Recovery Deliv (SP) - 45,272 - 43,912 - - - - - - - - - 8,7 520522 Grounds Installs/Landscp (SP) - 215 -			_		_	1 779	_
520002 Admin. & General (SP) 1,000 (24,548) 497 12,815 520102 Install. of Elect Equip (SP) - - - - 8,7 520301 Fueling/Recovery Deliv (SP) - 45,272 - 43,912 520522 Grounds Installs/Landscp (SP) - 215 - - 520542 Grounds Maint. Services (SP) 253,584 107,318 126,606 124,115 190,0 520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287 18,4 520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2		,	747.587	198.007	373.387	•	365,129
520102 Install. of Elect Equip (SP) - - - - 8,7 520301 Fueling/Recovery Deliv (SP) - 45,272 - 43,912 520522 Grounds Installs/Landscp (SP) - 215 - - 520542 Grounds Maint. Services (SP) 253,584 107,318 126,606 124,115 190,0 520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287 18,4 520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2							-
520301 Fueling/Recovery Deliv (SP) - 45,272 - 43,912 520522 Grounds Installs/Landscp (SP) - 215 - - 520542 Grounds Maint. Services (SP) 253,584 107,318 126,606 124,115 190,0 520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287 18,4 520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2		, ,	-	-	-	-	8,700
520522 Grounds Installs/Landscp (SP) - 215 - - - 520542 Grounds Maint. Services (SP) 253,584 107,318 126,606 124,115 190,0 520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287 18,4 520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2			-	45,272	-	43,912	-
520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287 18,4 520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2	520522	. , ,	-		-	-	-
520622 Install Mech/Hvac-Refr Eq (SP) - 4,792 - 2,827 18,8 520642 Maintenance Contracts (SP) - - - - - 520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287 18,4 520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2	520542	Grounds Maint. Services (SP)	253,584	107,318	126,606	124,115	190,001
520662 Maint. of Mech Hvac Equip (SP) 4,500 4,777 2,237 3,287 18,4 520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2	520622		-	4,792	-	2,827	18,835
520778 Maint. of Plumbing Equip (SP) 105,948 15,958 52,911 18,652 2,2	520642	Maintenance Contracts (SP)	-	-	-	-	-
	520662	Maint. of Mech Hvac Equip (SP)	4,500	4,777	2,237	3,287	18,468
520872 Misc Projects/Tasks (SP) - 25 912 - 5 22	520778	Maint. of Plumbing Equip (SP)	105,948		52,911	18,652	2,297
20,012	520872	Misc Projects/Tasks (SP)	-	25,912	-	5	2,297
	520902		-	-	-	-	689
520906 Locksmith Services (SP) - (3) - 1,405		• • • • • • • • • • • • • • • • • • • •	-	(3)	-	1,405	-
520910 Masonry (SP) 12			-	-	-	12	-
520914 Painting (SP) - 3,361			-		-	-	-
				4,030			2,297
630112 Hazardous Waste Disposal (SP) 8,000 - 3,976 (15,010)	•		•	-		•	-
	•		•			•	212,427
650001 Sewer Pumping (SP) 25,500 551 12,746 7,396			25,500		12,746		-
810001 Sewer Pumping Activities (SP) - (9,014) - (9,014)			-	(, ,	-		-
			•		•		294,067
							826,535
	•			•			316,750
	8						9,601
				,		•	99,794
830005 Adm&Gnl-Other (SP) 576,911 395,387 287,079 465,478 170,4 830200 Operations (SP) - 37,596 - 41,972			576,911	· ·	207,079		170,456
830201 OP-Shutdowns (SP) 925 2,856 463 -		• • •	025	•	463	41,972	- 62
		• * *				587 838	622,698
830204 OP-Engineering (SP) 200 751 99 -				· ·		307,030	022,090
i i i i i i i i i i i i i i i i i i i				-		69 113	55,845
			•	-		•	3,571,406
		• • • • • • • • • • • • • • • • • • • •				•	3,511,103
							2,773,872
							391,539

		Annual		YEAR-T	O-DATE	
		Budget	Actual	Budget	Actual	Budget
		2020	2020	2020	2019	2019
		0.700	0.4.000		0.4.000	
830303	Equip-Predictive (SP)	3,700	24,380	1,849	34,308	1,057
830304	Equip-Corrective (SP)	7,677,050	7,851,187	3,825,176	6,719,844	2,947,875
830305	Equip-Engineering (SP)	100	414	50	-	405.700
830306	Equip-Supervision (SP)	915,559	467,328	457,317	511,121	435,786
830307	Equip-Other (SP)	49,476	729,908	24,647	316,206	18,345
830401	GroundsRoutine (SP)	4,600	1,162	2,286	2,826	4,594
830404	GroundsCorrective (SP)	3,000	465	1,494	1,578	459
830405	GroundsEngineering (SP)	-	948	-	-	-
830407	GroundsOther (SP)	47.000	103	- 0.047	4 700	46
830500	Structures (SP)	17,800	30,589	8,847	1,728	7,420
830501	Struct-Routine (SP)	60,000	503,646	30,000	482,085	51,815
830502 830503	Struct-Preventive (SP)	1,100	- 51	547	2,331	-
830503	Struct-Predictive (SP) Struct-Corrective (SP)	15,200 176,086	694,593	7,558 87,857	2,853 561,519	46 95,919
830505	` ,	15,100	448		561,519	95,919
830506	Struct-Engineering (SP)	607,408	336,959	7,505	284,870	244,300
830507	Struct-Supervision (SP) Struct-Other (SP)	3,058,122	804,819	303,348 1,526,915	556,024	1,432,998
830603	RemAct/Spil-Shutdowns (SP)	3,036,122	004,019	1,520,915	147	1,432,990
830700	Inspection (SP)	400	-	200	4,212	-
830700	Inspection (SP)	34,125	123,799	17,063	123,840	14,993
830704	Insp-Prop Pump Stations (SP)	4,500	17,802	2,250	7,852	1,424
830802	Gas Monit Calib-Materials (SP)	4,500	70,900	2,230	7,032	1,424
830900	Emergency (SP)	125	28,305	63	22,791	62
830901	Emerg - Hurrican Preparat (SP)	125	26,303	-	22,791	1,562
830902	Emerg-Hurricane Recovery (SP)	500	-	250	_	551
830904	Emergency - Run Generator (SP)	400	7,057	200	1,047	138
830906	Emergency - OPP (SP)	-00	13,581	200	1,047	100
830907	Assist other Division (SP)	200	35,074	100	49,203	_
850130	Utilities Monitoring (SP)	1,484,900	724,880	743,180	852,144	691,166
850203	Assistance to Other Div (SP)	850	-	426	-	756
850209	Maint/Rep-Diesel Eqp/Gens(SP)	136,291	31,982	67,902	136,082	50,046
850213	Maint/Rep-Pump Stations (SP)	363,850	89,661	181,315	76,949	97,508
850220	Maint/Rep-Struct/Grounds (SP)	100	-	50	5	23
850222	Underground Piping/Valves (SP)	51,225	_	25,459	10,512	484
850224	Remedial Action/Spills (SP)	50	_	25		46
850226	Telemetering/SCADA (SP)	5,750	_	2,858	_	-
850228	Odor Control (SP)	10,000	_	4,970	_	_
Sewer Pui	· · · ·	47,703,631	24,502,442	23,800,298	22,952,874	21,010,500

		Annual		YEAR-TO	D-DATE	
		Budget	Actual	Budget	Actual	Budget
		2020	2020	2020	2019	2019
100059	OM Activity - GL use only (ST)	1,709,907	1,170,698	854,879	1,293,166	807,495
210001	Sewer Trmnt & Disposal (ST)	4,000,000	-,	1,988,000	-,200,.00	3,250,000
212007	Sewer Treat and Disposal (ST)	336,797	176,739	168,229	154,758	149,947
227001	Sewer Treatment Activity (ST)	1,598,671	252,517	795,539	(99,145)	239,267
228001	Sewer Treatment Activity (ST)	197,819	104,225	98,822	96,381	145,747
260006	Security Services (ST)	3,000,000	702,749	1,491,000	752,911	1,607,900
320002	Expense Projects (ST)	-	(56)	- 1,101,000	-	
350107	Construction Mgmt (ST)	_	22,402	_	_	_
520302	Fueling/Recovery Deliv (ST)	3,000	18,341	1,500	29,428	_
520463	Fire Protection System (ST)	-	(40)	-	19,582	459
520501	Grounds Contract Services (ST)	259,841	152,364	129,749	203,550	227,530
520523	Grounds Installs/Landscp (ST)		4,921	-	4,520	-
520543	Grounds Maint. Services (ST)	1,353,560	605,441	675,721	598,101	684,488
520623	Install Mech/Hvac-Refr Eq (ST)	- 1,000,000	(49,825)	-	-	-
520643	Maintenance Contracts (ST)	_	93	_	_	_
520663	Maint. of Mech Hvac Equip (ST)	988,870	499,926	493,349	488,270	660,222
520779	Maint. of Plumbing Equip (ST)	-	300	-	444	-
520873	Misc Projects/Tasks (ST)	162,568	2,638	81,237	7,314	101,275
520923	Structural Misc Task (ST)	-		-	-	5,513
520974	Rentals-Other Divisions (ST)	100	438,357	50	426,683	395,084
610001	Sewer Treatment Plant (ST)	-	12,360	-	-	-
620001	Sewer Treatment Plant (ST)	1,150,000	312,520	571,550	408	529,229
630102	Hazardous Waste Disposal (ST)	-		-	-	-
630119	Sewer Treatment Plant (ST)	360,400	165,690	179,248	118,365	231,366
740001	LabS Treat & Disp Exp (ST)	2,843,401	1,393,559	1,418,687	1,392,734	1,491,904
810003	Sewer Treatment Actv (ST)	250,000	68,647	125,000	120,618	114,850
811017	Telemetering/SCADA (ST)	5,484,679	1,150,776	2,738,147	1,242,753	2,457,839
811018	Main/Rep-Rad/Com Eq (ST)	49,900	7,369	24,865	9,349	22,807
811021	Instl/Rep/Cam/Surv Eq (ST)	213,562	114,546	106,659	99,639	115,756
850001	Admin. & General (ST)	35,977,815	16,333,319	17,977,719	17,519,467	14,741,527
850002	Adm&Gnl-CMMS (ST)	405,159	106,048	202,319	268,983	241,525
850003	Adm&Gnrl-Supervision (ST)*	125	-	62	-	73
850004	Adm & Gnl-Permitting (ST)	31,525	54,096	15,761	26,196	7,984
850005	CDL Random Testing (ST)	200	-	100	-	100
850006	Training (ST)	24,348	25,365	12,173	53,328	10,055
850007	Union Activities (ST)	200	-	99	-	94
850103	Emerg Power Generation (ST)	7,306	-	3,647	3,608	4,967

		Annual		YEAR-TO	D-DATE	
		Budget	Actual	Budget	Actual	Budget
		2020	2020	2020	2019	2019
050404	Oder Control (CT)	0.004.004	0.000.000	4.040.050	2.045.007	0.700.700
850104	Odor Control (ST)	8,021,831	2,369,806	4,012,259	3,215,337	2,703,790
850105	Effluent Pumping (ST)	10,000	-	4,970	-	40.000
850106	Pumping Stations (ST)	5,996	44.004	2,982	-	18,262
850109	Training (ST)	87,715	41,921	43,833	55,563	41,796
850111	Purchased Treatment (ST)	125	-	62	-	546
850112	Reuse Facility (ST)	6,006	-	3,001	-	2,994
850114	Sludge Cons & Diges Ops (ST)	14,811	- 0.004.007	7,364	- 0.040.507	11,837
850115	Dewatering (ST)	2,955,998	2,024,827	1,480,566	2,046,507	1,500,404
850116	Solids Handling (ST)	12,027,545	4,587,412	6,012,536	4,890,094	6,462,522
850117	Headworks (ST)	150	-	75 40.705	-	459 46.770
850119	Secondary Clarification (ST)	33,574	407.000	16,795	47	16,770
850120	O2 Generation (ST)	447,494	127,099	222,521	75,140	277,544
850121	Non Emer Power Generation (ST)	384,876	82,447	192,202	138,591	182,592
850122	Final Station (ST)	1,500	- 07.550	746	405.405	115
850123	Deep Well Injection (ST)	1,200	27,550	597	435,185	785,758
850124	Tanker Duty (ST)	11,612	(333)	5,803	- 0.077	5,800
850125	Biosolids Processing (ST)	51,400	-	25,546	2,677	25,842
850127	Vessel Cleaning (ST)	159,138	45,194	79,520	15,078	73,135
850128	Special Projects (ST)	62,158	89,925	31,052	21,395	58,615
850202	Other Maintenance (ST)	498,218	155,145	247,835	425,434	214,523
850204	Assistance to Other Div (ST)	34,502	44,445	17,233	50,218	22,215
850206	Emerg Actv/Emg Gen-Stby (ST)	124,070	104,412	61,993	86,308	48,829
850208	Maint/Rep-Co-Generation(ST)	766,269	624,112	382,111	914,339	327,817
850210	Maint/Rep-Diesel Eqp/Gens(ST)	3,054,114	1,759,915	1,523,688	1,041,046	1,460,995
850211	Maint/Rep-Plant Equipment (ST)	15,858,786	7,681,524	7,911,681	6,982,699	8,638,557
850212	Maint/Rep-Instr/Ctrls/Mtrs(ST)	629,250	138,758	313,265	177,526	523,793
850214	Maint/Rep-Pump Stations (ST)	3,925	-	1,951	700	954
850215	Maint/Rep-Radio/Comm (ST)	300		149		161
850216	Maint/Rep-Cryogenic Plant (ST)	64,845	160,515	32,243	13,610	4,138
850217	Maint/Rep-Sldg Concnt/Digs(ST)	33,935	267,179	16,935	33,693	134,277
850218	Maint/Rep-Sldg Dewatering(ST)	44,422	2,380,949	22,087	14,303	19,774
850219	Maint/Rep-Sludge Handling (ST)	788,562	9,859	393,725	5,979	347,875
850221	Maint/Rep-Struct/Grounds (ST)	2,775,288	1,948,214	1,385,229	1,686,237	1,356,364
850223	Underground Piping/Valves (ST)	409,221	108,456	203,660	184,470	87,493
850225	Remedial Action/Spills (ST)	1,250	-	621	-	826
850227	Telemetering/SCADA (ST)	100	26,050	50	15,933	92
850230	Special Projects (ST)	2,445,589	1,433,221	1,219,973	882,165	666,287
Sewer Tre	atment and Disposal	112,225,530	50,084,687	56,030,970	48,241,685	54,268,754

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Source: GL

	Annual	YEAR-TO-DATE			
	Budget	Actual	Budget	Actual	Budget
	2020	2020	2020	2019	2019
Customer Accounting	10,850,526	4,017,285	4,418,961	4,145,053	4,005,445
· ·					
Customer Service	27,216,057	13,503,411	13,566,469	13,083,030	12,750,278
Company Administration	400 400 000	40 044 504	CO 455 700	40 540 077	F7 077 040
General and Administration	120,400,963	48,844,531	60,155,723	48,543,377	57,277,312
TOTAL O&M EXPENSES	480,361,587	217,244,062	236,619,765	213,050,470	227,995,568
TOTAL DIRECT O&M WASTEWATER SYSTEM EXPENSES		89,924,740		86,799,654	
		Oct-Mar		Oct-Mar	

Miami-Dade Water and Sewer Department Wastewater Capital Expenditures by Project/Sub-Projects Data for 10/1/19 through 3/31/2020

	Project Description	Subproject No.	Subproject Description	Expenditures from 10/1/2019 to 3/31/2020
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	101947	NDWWTP FA MONITORING WELLS TO MEET FDEP REQ.	\$592,124.04
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102220	NT-3C - NDWWTP - EDB # 3 (Replacement Electrical Bldg.)(WIFIA 2)	\$51,203.72
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102205	2.21.02 PS 1 SEAWALL AND HARDENING PROJECT (FEMA)	\$6,856.33
				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102206	CD2.22.02 - PS 2 BEAUTIFICATION AND HARDENING CITY OF MIAMI (FEMA)	\$5,127.44
	SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE		, , , , , , , , , , , , , , , , , , , ,	70,221111
1006		102102	SDWWTP FA MONITORING WELL REPLACEMENT	\$14,963.52
		102184	SDWWTP FOG RECOVERY STATION	\$237,734.65
1007	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP	102104	SEWWII TOURECOVERT STATION	\$237,734.03
1000	STATIONS IMPROVEMENTS	101768	MACD CEDVICE ADEA WEST OF LIZE AND MODELL OF MALAZOCE (ADMANDEA)	\$166.760.22
1008		101708	WASD SERVICE AREA WEST OF I-75 AND NORTH OF NW 170 ST. (ADM AREA)	\$166,769.32
4000	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP	404004	INSTALLATION OF A REDUNDANT SEWER FM FROM WEST SIDE OF	40 400 450 74
1008	STATIONS IMPROVEMENTS	101924	INTERCOASTAL WATERWAY AT NE 163 ST TO NDWWTP	\$2,123,153.71
	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP		NL-1A TO PHASE 1 & 2: 60" FM FROM BISCAYNE BLVD. TO N. MIAMI AVE. Phase	
1008	STATIONS IMPROVEMENTS	102072	1 & 2	\$192,387.11
	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP			
1008	STATIONS IMPROVEMENTS	102245	OJUS SANITARY SEWER WITHIN THE OJUS URBAN AREA DISTRICT (DIRECTOR)	\$74,051.42
	CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP			
1009	STATIONS IMPROVEMENTS	102200	BISCAYNE BASIN PROJECTS RELATED TO CL-1	\$1,379,714.16
	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP			
1010	STATIONS IMPROVEMENTS	102050	UPGRADE 4" FM FROM PS 733 ON US1	\$158,367.16
1011	FLOW REDUCTION PROGRAM (FRP)	100050	REHABILITATION OF SEWER MAINS DUE TO I/I - SECTIONAL LINING	\$291,271.25
1011	FLOW REDUCTION PROGRAM (FRP)	101865	PEAK FLOW MANAGEMENT - PUMP STATION OPTIMIZATION PLAN (PSOP)	\$3.34
	SANITARY SEWER SYSTEM IMPROVEMENTS	100055	SPECIAL CONSTRUCTION - SANITARY SEWER IMPROVEMENTS	(\$38,405.32)
		101506	SOUTH MAINTENANCE CENTER	\$1,288.00
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101886	MIAMI GARDENS (CAROL CITY YARD) - MODULAR / STEEL BUILDING	\$57,864.81
				\$57,00 1.01
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	103005	SOUTH MIAMI HEIGHTS TRAILER INSTALLATION AND SITE DEVELOPMENT	\$241,512.39
1015	PUMP STATION IMPROVEMENTS PROGRAM	101454	PUMP STATION IMPROVEMENT PROGRAM	\$1,179,259.84
1013	TOME STATION INFROVENIENTS PROGRAM	101434	Force Main in Doral 36-Inch Diameter Sanitary Sewer FM: in 107 Avenue - from	\$1,17,239.64
1010	PEAK FLOW MANAGEMENT FACILITIES	101774	NW 7 St. to NW 25 Street	Ć2F 704 20
				\$25,784.28
	SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	\$4,377,112.04
	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA"s	\$182,305.60
	WASTEWATER TELEMETERING SYSTEM		TELEMETERING SYSTEM - WASTEWATER	\$159,117.36
1024	WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$6,449,459.56
	LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE			
	IMPROVEMENTS		LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	\$553,974.46
	WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	\$221,499.78
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	\$2,980,178.80
1027	WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	\$4,454,642.21
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$5,105,644.40
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	101732	SECURITY PROJECTS	\$491,876.51
	OCEAN OUTFALL LEGISLATION REGULATORY	101867	CT-2A - CDWWTP - HLD Improvements & Filtration Pilot Test	\$653,589.43
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102007	NE-2 - NDWWTP - Municipal Injection Wells (WIFIA 1)	\$15,105.05
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102009	CE-1 - CDWWTP - Municipal Injection Well PS	\$1,698,658.75
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102010	CE-2 - CDWWTP - Municipal Injection Wells (WIFIA 1)	\$14,075,617.11
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102038	CDWWTP - CENTRATE INJECTION WELL (CE-4)	\$2,143,042.34
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102080	NT-3 - NDWWTP - EDB # 2 (Electrical Bldg. for HLD)(WIFIA 2)	\$7,133.70
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102096	CDWWTP PUMP STATION FOR CENTRATE WELL (CE-3)	\$11,409,025.99
			OWNERS REPRESENTATIVE SERVICES FOR OOL PROGRAM AND WASTEWATER	
1040				Ş11, 103,023.33
	OCEAN OUTFALL LEGISLATION REGULATORY	102138	SYSTEM	
	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY	102138 102222	SYSTEM	(\$17,664,641.95)
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102222	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2)	(\$17,664,641.95) \$1,253,712.07
1040 1040	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY	102222 103007	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28
1040 1040 1042	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	102222 103007 101967	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00
1040 1040 1042 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)[WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04
1040 1040 1042 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30
1040 1040 1042 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44
1040 1040 1042 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31
1040 1040 1042 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Cytypenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - OZ Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - Dewatering Facility	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygen ation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - Odor Control	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$643,413.66
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - Odor Control SDWWTP - General Electrical	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102510	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - OZ Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - Odor Control SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$640,033.89 \$40,055.09
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102511 102600	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - Goneral Electrical SDWWTP - Goneral Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Electrical Improvements	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102511 102600 102601	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygen Production SDWWTP - Chlorine Building SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - DG Removal Facility SDWWTP - God Control SDWWTP - General Electrical SDWWTP - General Electrical SDWWTP - Electrical Improvements CDWWTP - Building improvements	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$644,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$552,753.92
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102511 102600	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - FOG Removal Facility SDWWTP - FOG Removal Facility SDWWTP - Control SDWWTP - General Electrical SDWWTP - Electrical Improvements CDWWTP - Building improvements Headworks Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102511 102600 102601	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygen Production SDWWTP - Chlorine Building SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - DG Removal Facility SDWWTP - God Control SDWWTP - General Electrical SDWWTP - General Electrical SDWWTP - Electrical Improvements CDWWTP - Building improvements	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$644,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$552,753.92
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102510 102511 102600 102601	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - FOG Removal Facility SDWWTP - FOG Removal Facility SDWWTP - Control SDWWTP - General Electrical SDWWTP - Electrical Improvements CDWWTP - Building improvements Headworks Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$552,753.92
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102510 102601 102601 102601 102602	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - General Electrical SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$664,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$552,753.92 \$927,747.74
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102510 102601 102601 102601 102602 102603 102603	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - OZ Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - Goneral Electrical SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$555,753.92 \$927,472.74 \$741,867.14 \$17,694.24
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102511 102600 102601 102602 102603 102604 102604	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - Dod reconstruction SDWWTP - FOG Removal Facility SDWWTP - General Electrical SDWWTP - General Electrical SDWWTP - Electrical Improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Coxygenation Trains Plant 1 CDWWTP - Oxygenation Trains Plant 2	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$663,125.37 \$200,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24
1040 1040 1044 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102510 102511 102601 102601 102602 102603 102604 102605 102605	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygenation Trains SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - FOG Removal Facility SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 2 CDWWTP - Oxygenation Trains Plant 2 CDWWTP - Secondary Clarifiers Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$220,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24 \$409,556.88 \$61,662.48
1040 1040 1044 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102510 102611 102600 102601 102603 102604 102605 102606 102606	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - FOG Removal Facility SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 1 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - Secondary Clarifiers Plant 2	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24 \$409,556.88 \$61,662.48 \$756,533.73 \$347,663.08
1040 1040 1042 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102510 102601 102601 102602 102603 102604 102605 102606 102607 102608 102609	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygen Production SDWWTP - Chlorine Building SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - Dewatering Facility SDWWTP - General Electrical SDWWTP - General Electrical SDWWTP - Electrical Improvements CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 1 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - RS Pump Stations Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24 \$409,556.88 \$61,662.48 \$756,533.73 \$347,663.08 \$7,166,925.14
1040 1040 1044 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECT	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102510 102511 102601 102601 102602 102603 102604 102605 102606 102607 102608 102608 102608 102608	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygenation Trains SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - FOG Removal Facility SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 1 CDWWTP - Secondary Clarifiers Plant 2 CDWWTP - Secondary Clarifiers Plant 2 CDWWTP - Secondary Clarifiers Plant 2 CDWWTP - RS Pump Stations Plant 2 CDWWTP - Effluent Pump Station	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$220,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24 \$409,556.88 \$61,662.48 \$756,533.73 \$347,663.08 \$7,166,925.14
1040 1040 1044 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECT	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102511 102600 102601 102602 102603 102604 102605 102606 102607 102608 102609 102609 102609	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Digesters and Control Buildings SDWWTP - Dowatering Facility SDWWTP - FOG Removal Facility SDWWTP - Gontrol SDWWTP - Gontrol SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 1 CDWWTP - Secondary Clarifiers Plant 2 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - RS Pump Stations Plant 1 CDWWTP - RS Pump Stations Plant 2 CDWWTP - Effluent Pump Station CDWWTP - Effluent Pump Station CDWWTP - Effluent Pump Station CDWWTP - Digesters Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$663,125.37 \$200,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24 \$409,556.88 \$61,662.48 \$756,533.73 \$347,663.08 \$7,166,925.14 \$6,227,826.29 \$62,199.79
1040 1040 1044 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECT	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102510 102601 102601 102602 102603 102604 102605 102606 102607 102608 102608 102609 102613 102614	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - OZ Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Digesters and Control Buildings SDWWTP - Dewatering Facility SDWWTP - FOG Removal Facility SDWWTP - General Electrical SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements CDWWTP - Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 1 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - RS Pump Stations Plant 2 CDWWTP - RS Pump Stations Plant 1 CDWWTP - RS Pump Stations Plant 2 CDWWTP - RS Pump Stations Plant 1 CDWWTP - Digesters Plant 1 CDWWTP - Digesters Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$693,125.37 \$200,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24 \$409,556.88 \$61,662.48 \$756,533.73 \$347,663.08 \$7,166,925.14 \$62,786.29 \$62,199.79
1040 1040 1044 1044 1044 1044 1044 1044	OCEAN OUTFALL LEGISLATION REGULATORY OCEAN OUTFALL LEGISLATION REGULATORY WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECT	102222 103007 101967 102500 102501 102502 102503 102504 102506 102507 102508 102509 102511 102600 102601 102602 102603 102604 102605 102606 102607 102608 102609 102609 102609	SYSTEM CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2) CT-3B - CDWWTP - O2 Train and Secondary Clarifiers WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS SDWWTP - Headworks SDWWTP - Oxygen Production SDWWTP - Oxygenation Trains SDWWTP - Chlorine Building SDWWTP - Effluent Pump Station SDWWTP - Digesters and Control Buildings SDWWTP - Digesters and Control Buildings SDWWTP - Dowatering Facility SDWWTP - FOG Removal Facility SDWWTP - Gontrol SDWWTP - Gontrol SDWWTP - General Electrical SDWWTP - Chlorine Contact Chamber Structural CDWWTP - Building improvements CDWWTP - Building improvements Headworks Plant 1 CDWWTP - Headworks Plant 2 CDWWTP - Oxygenation Trains Plant 1 CDWWTP - Secondary Clarifiers Plant 2 CDWWTP - Secondary Clarifiers Plant 1 CDWWTP - RS Pump Stations Plant 1 CDWWTP - RS Pump Stations Plant 2 CDWWTP - Effluent Pump Station CDWWTP - Effluent Pump Station CDWWTP - Effluent Pump Station CDWWTP - Digesters Plant 1	(\$17,664,641.95) \$1,253,712.07 \$4,662,341.28 \$248,396.00 \$99,130.04 \$2,537,037.30 \$433,823.44 \$60,315.31 \$3,945,926.14 \$27,320,565.66 \$21,920.54 \$643,413.66 \$654,033.89 \$40,055.09 \$663,125.37 \$200,168.57 \$552,753.92 \$927,472.74 \$741,867.14 \$17,694.24 \$409,556.88 \$61,662.48 \$756,533.73 \$347,663.08 \$7,166,925.14 \$6,227,826.29 \$62,199.79

Miami-Dade Water and Sewer Department Wastewater Capital Expenditures by Project/Sub-Projects Data for 10/1/19 through 3/31/2020

Project No.	Project Description	Subproject No.	Subproject Description	Expenditures from 10/1/2019 to 3/31/2020
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102618	CDWWTP - Co-Gen Facility	\$4,619,426.17
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102620	CDWWTP - Pump Station 1	\$1,074,194.31
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102621	CDWWTP - Pump Station 2	\$1,375,929.47
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102624	CDWWTP -Ventilation Improvements	\$25,242.78
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102626	CDWWTP - Oxygen Production	\$13,870,263.43
				, ,
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102628	CONSENT DECREE PROGRAM MANAGEMENT & CONSTRUCTION MANAGEMENT	(\$13,826,015.54)
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$121,878.41
1044		102701	NDWWTP - Primary Clarifiers and Odor Control	\$10,352,461.20
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102702	NDWWTP - Oxygenation Trains	\$1,389.37
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102703	NDWWTP - Oxygen Production	\$235,849.01
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102704	NDWWTP - Secondary Clarifiers	\$3,209,495.88
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102705	NDWWTP - Disinfection	\$4,751,629.90
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102707	NDWWTP - Plant Wide Electrical	\$28,632.46
	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT		Rehabilitation of Sewer Mains - Dig and Replace, (Previously called Collection	¥=5,00±1.10
1045	DECREE PROJECTS	102800	System I/I Repairs)	\$6,323,132.46
2015	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT	102000	System y repulsy	Ç0,323,132. 10
1045	DECREE PROJECTS	102804	South Dade 54 inch PCCP FM Rehabilitation	\$346,893.48
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT	102004	South Bade 34 ment cer TWI Netiabilitation	\$340,033.40
1045	DECREE PROJECTS	102807	Rehabilitation of 54 inch PCCP FM in the City of Miami	\$1,231.33
1043	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT	102807	Reliabilitation of 34 lifeti FCCF FM in the City of Milanii	\$1,231.33
1045		102000	Danlage Approximately 25 miles of AC force mains	Ć2 024 42F F2
1045	DECREE PROJECTS WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT	102808	Replace Approximately 25 miles of AC force mains	\$3,831,135.52
4045		402000	One Leader Aircraft AGII DCCD force and a send account	¢250 020 27
	DECREE PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$259,039.37
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102900	DORAL BASIN - UPGRADE SEWAGE PS No. 418	\$255,558.07
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102902	Upgrade of PS#0692	\$5,949,431.45
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102903	Replacement of Switchgear PS#0414	\$732,460.59
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102904	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	\$425,441.03
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102905	Replacement of Switchgear PS#0416	\$455,915.80
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102906	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	\$2,858,664.28
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102908	Replacement of Plumbing and Electrical Equipment at PS#0301	\$200,445.89
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102910	Installation of 60 inch FM from Kendall Dr to PS#0536	\$131,444.63
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102911	Replacement of Switchgear at PS#0187	\$934,089.20
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102914	Upgrade of PS #0065, 0201, 0334, 0374, 0607	\$25,277.97
1046		102915	Upgrade of PS #00198, 0437, 0466, 0680	\$84,788.50
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$79,710.25
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102917	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	\$823,714.57
			WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY	4
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103000	AND FORCE MAINS	\$1,809,367.56
			WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP	
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103001	STATIONS	\$302,320.43
	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103002	SUPPLEMENTAL ENVIRONMENT PROJECT (SEP)	\$129,562.79
	South District Expansion	101757	CL-1 - Downtown Transmission FM Extension	\$15,777,323.00
	South District Expansion	102034	LAND ACQUISITION FOR WDWWTP (WDWRRF) (WT-1L)	\$510,945.74
1048	South District Expansion	102055	ST-1B - SDWWTP - Step Feed & Oxygenation Train Rehab	\$277,723.93
1048	South District Expansion	102056	ST-2A SDWWTP - Headworks and Oxygenation Train	(\$594,460.40)
1048	South District Expansion	102150	SE-2 - SDWWTP - Municipal Injection Wells (WIFIA 1)	\$19,998,637.59
1048	South District Expansion	103011	SDWWTP - Electrical Building (ST-2D)(WIFIA 2)	\$1,793,112.01
	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101930	REPLACEMENT OF MECHANICAL EQUIPMENT IN REGIONAL PUMP STATIONS	\$14,792.92
	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102045	P.S. 2 BASIN UPGRADE - PHASE 1 LOCAL	\$1,245.00
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102192	OUT OF COMPLIANCE PUMP STATIONS	\$420,004.38
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102201	PS#0300 - REPLACEMENT OF MECHANICAL & ELECTRICAL EQUIPMENT	\$72,127.80
tures fro	om 10/1/2019 to 3/31/2020			\$201,116,975.13