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#### VIA ELECTRONIC CORRESPONDENCE

July 30, 2019 CCN: 62716 File No: 8.DC.20.33

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LLS Department of Justice

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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 - 2019

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 2019 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 1, 2019 through June 30, 2019. The report also includes the anticipated work to be completed over the next two calendar quarters through December 31, 2019.

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, 2019 Semi-Annual Report No. 1 July 30, 2019 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,

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

Attachment: 2019 Semi-Annual Report No. 1

ec: Elizabeth Teegen

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# 2019 Semi-Annual Report No. 1 (Tenth Semi-Annual Report)

**January 1, 2019 through June 30, 2019** 

#### **Prepared for**

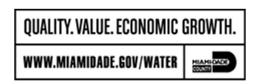
# United States Environmental Protection Agency and Florida Department of Environmental Protection

# **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

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 Waste Water 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 Waste Water Treatment Plant

SEP Supplemental Environmental Project

SORP Sewer Overflow Response Plan

SSAMP Sewer System Asset Management Program

SSO Sanitary Sewer Overflow

VFD Variable Frequency Drive

# **Acronyms and Abbreviations (continued)**

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 calendar quarters (January 1, 2019 through June 30, 2019), and also provides projections for significant projects and activities anticipated to be completed in the next two calendar quarters (July 1, 2019 through December 31, 2019).

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 calendar quarters, with the exception of meeting the final deadlines for two Appendix D Capital Improvement Projects (CIP): 1) CIP 2.22 – Pump Station No. 2 (May 25, 2019), and 2) CIP 5.2 – Connect City of Homestead's Pump Station (PS) 1 and Decommission of Pump Station 0691 (January 27, 2019).

In accordance with Section IX, Paragraph 52 of the CD, on May 20, 2019, the County notified EPA/FDEP of a failure to meet CD compliance date of May 25, 2019, CIP 2.22 – Pump Station No. 2 due to delays that occurred during the construction phase. On February 21, 2019, the County issued a Notice of Termination for Default to the Contractor. The County engaged with the Contractor's Surety which is managing the completion of the contract utilizing the existing contractor, subcontractor and vendors. Notice to Proceed was issued on April 15, 2019 and is in construction. The anticipated completion date is April 25, 2020.

In accordance with Section IX, Paragraph 52 of the Consent Decree (CD), on November 29, 2018, the County notified EPA/FDEP of a force majeure during City of Homestead's Pump Station construction phase. On October 24, 2018, the County held a coordination meeting with City of Homestead to discuss project status where the City of Homestead informed the County of several delays experienced by their Contractor. The County performed a site visit to assess the actual

project status on November 7, 2019. The County concluded that the remaining work to complete PS 1 could not accomplished in accordance with the contract deadlines. The County provided project updates to EPA and FDEP at the bi-Monthly EPA/FDEP/WASD CD Program Progress Meeting in February, April and June 2019. This project is in construction. The anticipated completion date for the decommissioning of PS 0691 is December 31, 2019.

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 \$1.97 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, thirty-four (34) projects with a total cost of \$437 million have reached substantial completion and more than forty (40) projects with an approximate total cost of \$1.37 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 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 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 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 Potential Delay Notification Letter for CD CIP 2.2(2) – Repairs to Various Building at CD WWTP	Section XI, para. 52 & Section XVII, para. 77Section V, para. 9	1/22/2019	1/22/2019	Yes	
Post Potential Delay Notification Letter for CD CIP 2.2(2) – Repairs to Various Building at CD WWTP in PDR	Section VI, para. 19(g)(ii)	1 business day after submittal	1/22/2019	Yes	
Submit 2018 Quarterly Report No. 4	Section IX, para. 32	1/31/2019	1/29/2019	Yes	
Post 2018 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1/29/2019	Yes	
Submit 2018 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2019	1/31/2019	Yes	
Post 2018 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2019	Yes	
Submit 2018 Annual Report	Section IX, para. 34	3/1/2019	3/1/2019	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 2018 Annual Report in PDR	Section V, para. 9	1 business day after submittal	3/1/2019	Yes	
Submit Delay Notification Letter for CD CIP 2.22	Section XI, para. 52 & Section XVII, para. 77	3/6/2019	3/6/2019	Yes	
Post Delay Notification Letter for CD CIP 2.22 in PDR	Section V, para. 9	1 business day after submittal	3/7/2019	Yes	
Submit 2019 Quarterly Report No. 1	Section IX, para. 32	4/30/2019	4/29/2019	Yes	
Post 2019 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	4/30/2019	Yes	
Submit Project Update and Failure to Meeting CD Compliance Date for CD CIP 2.22 – Pump Station No. 2 at CD WWTP	Section XI, para. 52 & Section XVII, para. 77	N/A	5/20/2019	N/A	
Post Project Update and Failure to Meeting CD Compliance Date for CD CIP 2.22 – Pump Station No. 2 at CD WWTP in PDR	Section V, para. 9	1 business day after submittal	5/20/2019	Yes	
Submit Payment of 2017-2018 FDEP Joint Demand for Stipulated Penalties	Section X, para. 42(a) and Order Modifying Section X	6/27/2019	6/10/2019	Yes	
Post Payment of 2017-2019 FDEP Joint Demand for Stipulated Penalties in PDR	Section V, para. 9	1 business day after submittal	6/11/2019	Yes	
Submit Payment of 2017-2018 EPA and FDEP Stipulated Penalties	Section X, para. 42(a) and Order Modifying Section X	6/27/2019	6/13/2019	Yes	
Post Payment of 2017-2018 EPA and FDEP Stipulated Penalties in PDR	Section V, para. 9	1 business day after submittal	6/13/2019	Yes	
Submit Potential Delay Notification Letter for CD CIP 1.11(1.1) General Electrical at SD WWTP	Section XI, para. 52 & Section XVII, para. 77	7/5/2019	6/28/2019	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 Potential Delay Notification Letter for CD CIP 1.11(1.1) General Electrical at SD WWTP in PDR	Section V, para. 9	1 business day after submittal	6/28/19	Yes	
Completion of CD CIP 1.9 FOG Removal Facility	Section VI, para. 19(i)	5/24/2019	3/26/2019	Yes	
Completion of CD CIP 2.3 Headworks Plant 1	Section VI, para. 19(i)	3/16/2019	3/7/2019	Yes	
Completion of CD CIP 5.4 Replacement of Switchgear PS No. 0414	Section VI, para. 19(i)	6/15/2019	6/11/2019	Yes	
Completion of CD CIP 5.6 Replacement of Switchgear PS No. 0416	Section VI, para. 19(i)	6/13/2019	6/11/2019	Yes	
Completion of CD CIP 5.11 Installation of 48-inch force main from Kendall Dr. to the suction side of PS 0536	Section VI, para. 19(i)	5/18/2019	2/13/2019	Yes	
Completion of CD CIP 5.12 Replacement of Switchgear at PS 0187	Section VI, para. 19(i)	3/26/2019	3/25/2019	Yes	

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 Second Annual FOG Control Program Review Report	Section VI, para. 19(a)	7/1/2019	7/1/2019		
Post Second Annual FOG Control Program Review Report in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal		
Submit 2019 Quarterly Report No. 2	Section IX, para. 32	7/30/2019	7/30/2019		
Post 2019 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal		
Submit 2019 Semi-Annual Report No. 1	Section IX, para. 33	7/30/2019	7/30/2019		
Post 2019 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal		

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 2019 Quarterly Report No. 3	Section IX, para. 32	10/30/2019	10/30/2019		
Post 2019 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal		
CD CIP 2.2 Building Improvements	Section VI, para. 19(i)	9/26/2019	To be determined		
CD CIP 2.4 Headworks Plant 1	Section VI, para. 19(i)	8/23/2019	8/23/2019		
CD CIP 2.22 Pump Station 2	Section VI, para. 19(i)	5/25/2019	4/25/2020		
CD CIP 5.1 Upgrade of PS 0418	Section VI, para. 19(i)	10/22/2019	10/22/2019		
CD CIP 5.2 Upgrade of PS No. 0691	Section VI, para. 19(i)	1/27/2019	12/31/2019		
CD CIP 5.5 Replacement of Switchgear and Rehabilitation of Wet well PS 0415	Section VI, para. 19(i)	9/2/2019	9/2/2019		
CD CIP 5.18 Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	Section VI, para. 19(i)	12/13/2019	12/13/2019		

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	7/20/17	At the July 20, 2017 EPA/FDEP/WASD CD Program Update Meeting, WASD proposed a scope modification for 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 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. This item is pending final decision.				
2	2/13/18	On February 13, 2018, the County advised EPA, FDEP and 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.  The County continued developing the cloud-based system to meet all the PDR CD requirements. The migration is still in progress.	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.				

Table	Table 1-3 Issues Log					
Item	Date	Description	Resolution/Clarification/Decision			
3	4/19/18	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 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 Department of Justice (DOJ). This item is pending final decision.			
4	4/19/18	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 2.15 will provide full digestion treatment capacity required for CDWWTP and no improvement for CD 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.			

Table	Table 1-3 Issues Log						
Item	Date	Description	Resolution/Clarification/Decision				
5	4/19/18	At the April 2018 CD Program Update Meeting, WASD mentioned that there has been no decision made by EPA/FDEP on the Notification of Completion Letter for CD CIP 2.24 CD WWTP Gas Monitoring sent on September 29, 2017. The letter stated that the Force Majeure Notification Letter sent to EPA/FDEP on September 20, 2017 anticipated up to 14 days delay on projects in construction. Moreover, if not for the Force Majeure event, this project would have been completed by the compliance date.	At the December 2018 CD Program Update Meeting, EPA stated that the determination whether to assess penalties for completed CD CIP 2.24 CD WWTP Gas Monitoring will be included in the upcoming EPA Status Report to the Court. This item is pending final decision.  On May 22, 2019, EPA and FDEP issued a Demand for Stipulated Penalties Letter within which EPA informed the County of its decision to exercise its enforcement discretion to not demand stipulated penalties for Appendix D-2, Projects 2.24.				

#### 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. Miami-Dade 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 this 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 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.

#### 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 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 calendar quarters and the next two 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 calendar quarters and the next two 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 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 calendar quarters and the next two 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 WCTLs 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 County has identified an area in the County which is zoned business, commercial, and industrial, from light to heavy manufacturing where there currently is no access to sewers, and where septic systems are inadequate or failing and many businesses pre-date the current septic system regulations. Disconnecting the industrial users from septic tanks and connecting them to the sewer system will improve water quality in the aquifer and nearby surface waters and prevent future contamination. The County will install 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.

During the reporting period, the Contractor has completed all the work associated with this project, and all remaining items are associated with administrative processes. The County through RER-DERM, issued the Notice of Required Connection (NORC) letters to formally inform the property-owners the system is completed and ready for connection. The construction of the SEP reached completion on December 26, 2018, ahead of the CD Compliance deadline of November 18, 2019.

In the next two calendar quarters, the County will hold a SEP Coordination Open-House Meeting to provide property owners connection process information and contact resource to continue facilitating the connection efforts to the new sewer services constructed in accordance with the CD. The SEP Completion Report will be initiated and is on schedule to meet the CD Compliance deadline of December 18, 2019.

#### 4.0 Additional Information

According to Paragraph 33(d), this report shall include "any additional information Miami-Dade 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 EPA, FDEP, and Miami-Dade County acknowledged that the County's implementation of the OOL may impact the scope of scheduling certain capital improvement projects 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.

- The South District Wastewater Treatment Plant (WWTP) design includes designs to implement capacity expansion to 131 million gallons per day, average annual daily flow. Basis of Design Reports are to be delivered to the Florida Department of Environmental Protection (FDEP) by January 2020, in compliance with a permit condition. Two design consultants were nearly at 100 percent design by the end of June, while the electrical upgrades and backwash treatment facilities were closer to 30 percent finished.
- The Central District WWTP design phase has started. Two design consultants are at, or beyond, the 30 percent design level. WASD completed tests of the new industrial well system in June. Regular use of the industrial well system will begin after an Underground Injection Control (UIC) operation permit is obtained from FDEP.
- The conceptual design of the North District WWTP improvements is 90 percent complete.
- The municipal wells at North District WWTP are under design; a UIC construction permit
  application has been submitted to FDEP. WASD has selected a contractor for constructing
  the new municipal injection wells at South and Central District WWTPs. Work will proceed
  shortly at these locations.

	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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
				1. Continue monitoring and tracking of the			
			3. Placed under Incomplete Moratorium (IN) Pump Station basins that that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami- Dade County Code.	3. Continue placing under Incomplete Moratorium (IN) Pump Station basins that that fail to submit ET readings or do not submit them by the 14th of the following month, as required by the Miami-Dade County Code.			
	implemented in accordance with Paragraph 18(a) of the CD. This prograr was undertaken to ensure that adequate Adequate Pumping, Transmission and Treatment Capacity Program within the County. Pursuant to Appendix of the CD; monthly capacity certification	and 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 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		3.1. Coordinate with IT and Code Enforcement group in order to automate enforcement when utilities fail to submit Data on time.			
			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	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.	<ol> <li>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.</li> <li>Coordinate with IT and Code Enforcement group in order to automate enforcement when utilities fail to submit Data on time.</li> </ol>		
			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 and were provided a copy of the Allocation report.	5. Continue generating the monthly NAPOT Status & Sewer Allocation reports to Utilities and Building Officials. The report provides Moratorium status for each PS basin within the Utility service area.			
			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. Continue coordination with IT Department to create a WEB Application to allow Building Officials to report on-line the monthly De-Allocation report.			
		7. Held two (2) Quarterly Utility Round Table (URT) Meetings with all Utilities and/or Utility Representatives to discuss/review compliance issues.	7. Will hold two (2) Quarterly Utility Round Table (URT) Meetings with all Utilities and/or Utility Representatives to discuss/review compliance issues.				

	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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
		The Adequate Pumping, Transmission and 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 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.	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.		
			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 Sanitary Sewer System Evaluations 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.		
	Adequate Pumping, Transmission and Treatment Capacity Program (continued)		10. Received update of the Water & Sewer As- Built / Atlas from Utility. Utilities were notified that a more detailed review of the submittals was to be performed.	10. Continue the review the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January-2019 to assure compliance with Code requirements. Atlases are used by staff to determine Adequate Pumping, Transmission and Treatment capacity.		
			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.		
				12. 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, 2019.		

	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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
18(c)	Wastewater Collection and Transmission System Model	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	The CD PMCM team performed 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. Evaluations were completed for the following CD projects: 5.03, 5.04, 5.06, and 5.11.  These projects consist of pump station upgrades that include PS0692, PS0414, and PS0416, and forcemain upgrades including interconnect between 72 inch and 48 inch forcemain on SW 117th Ave. The projects evaluated the following:  - Challenges in operation of booster stations (PS0414 and PS0416) during dry weather conditions  - Proposed operation of Homestead PS#1 and future operation of PS0691 while bypassing PS0692  - Bypassing of PS0559 during wet weather conditions  The evaluations were documented in technical memorandums that were submitted to DERM/RER as part of the permitting process.	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 asbuilt drawings, equipment O&M information and GIS data. This effort constitutes the compliance with Section VI, Paragraph (18).(c).(iv) of the Consent Decree.			

_			Actions Completed During Previous Two	Anticipated Actions to Be Performed in the
Paragraph	Project Name	Project Description	Calendar Quarters	Next Two Calendar Quarters
18(c)	Wastewater Collection and Transmission System Model (Continued)	accordance with Paragraph 18(c) of the CD. The model assists in the development 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	In addition to the efforts associated with CD Project validation and permitting, the CD PMCM team continued the update of WCTS Hydraulic Model network geometry in order to match the current conditions of the system. These updates included addressing discrepancies identified in the model network through evaluation of as-built drawings, equipment O&M information and GIS data.  - The updates include addition of PS1260, PS1261, PS1235, PS1326 and PS1348. In addition modifications were also made to the City of Homestead with revisions made specifically to the inflows.  - The CD PMCM team delivered an updated version of the WASD WCTS effective model to WASD Planning division which incorporated all the changes listed above.  - Additional tasks also included update of the current projected flows based on 2015 Census and average of the calculated inflows between 2016-2018  - Pump Station Dashboard was also developed that provides a details summary/overview of the Pump Station Results for different flow conditions and different planning horizons. The results enable the users to identify the PS that are not functioning properly.  This effort constitutes the compliance with Section VI, Paragraph (18).(c).(iv) of the Consent Decree.	Continue efforts to update hydraulic model with information available for improvement projects associated with Consent Decree, Ocean Outfa Legislation, WASD Master Plan, Pump Station Improvement Program as well as New Development Projects in an effort to maintain the most up to date projection scenarios for years 2020, 2025 and 2035 in the WASD hydraulic model.

	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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
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 December 31, 2018.		
		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	Monitored and tracked the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.      Placed under Moratorium Pump Station (PS)	monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.		
		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.	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).	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.	3. Continue placing under Incomplete Moratorium (IN) Pump Station basins under the jurisdiction of the Volume Customer utilities that fail to submit ET readings, or do not submit, by the 14th of the following month, as required by the Miami-Dade County Code.		
18(e)	Volume Sewer Customer Ordinance Program			3.1. Coordinate 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. Submitted to each Volume Sewer Customer Utility the monthly Certification of Nominal Average Pump Operating Time (NAPOT) Status Report. Moratoriums were placed accordingly.	5. Continue to generate and submit to each Volume Sewer Customer Utility the monthly Certification of Nominal Average Pump Operating Time (NAPOT) Status.		
			<ol><li>Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.</li></ol>	6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.		

	Table A-1.1 Continuation	on 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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar 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	7. Continued to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, submitted by the Volume Sewer Customer utilities.	7. Continue to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, as submitted.	
		Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	Moratoriums status were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.	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.	
			Followed-up on the enforcement action against City of Opa-Locka for repeat SSOs during this period and established an inspection coordination effort to prevent new SSOs.	8. 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.	
			9. A Consent Agreement (CA) was completed and signed by the City of Opa-Locka for repeat SSOs during this period. The CA outlined actions to prevent SSOs and to complete needed rehabilitation to bring the sanitary sewer collection/transmission system into full compliance.	<ol> <li>Will coordinate with the Enforcement Group to assure Volume Sewer Utility (Opa-Locka) complies with the CA specific requirements and deadlines to bring the utility into full compliance.</li> </ol>	
18(e)	Volume Sewer Customer Ordinance Program (continued)		10. Completed a close/daily monitoring and inspection program of the sanitary sewer pump station in Opa-Locka. The utility was notified of any operational problems/deficiencies found during the inspections.	10. If needed, re-establish a close monitoring of the WCTS of Opa-Locka to assure system is operating under normal conditions.	
			11. Conducted two (2) meetings with the Municipal Officials, including the City Manager and the Mayor, to review the WCTS status.	11. As needed, schedule additional meetings with the City and Utility officials.	
			12. The Miami-Dade Water and Sewer Department (WASD) assisted the utility with manpower and a temporary pump while the utility acquired permanent pumps for one of the Pump Stations.	12. As needed, coordinate with WASD to provide assistance to any other Volume Sewer Customer utility.	
			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 again reminded about Sanitary Sewer Overflow (SSO) requirements in the 23rd Utility Round Table meeting on March 15, 2019.	14. Continue to use the 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 Continuatio	n of CMOM Programs of the First Partial	Consent Decree and the Second and Final Co	nsent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(e)	Volume Sewer Customer Ordinance Program (continued)	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.	<ul> <li>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.</li> <li>16. Received the update of the Water &amp; Sewer As-Built / Atlas from Utility. Utilities were notified that a more detailed review of the submittals was to be performed.</li> <li>17. Received the Sanitary Sewer System Model Survey/Report from all the Volume Sewer Customer Utilities.</li> <li>18. Televising reports were received from the Volume Sewer Customer utilities within the Cone of Influence (COI).</li> </ul>	15. Review the Annual or semi-annual reports as submitted by the Volume Sewer Customer Utilities, for Illicit Stormwater Connections, SSES and CMOM work related reports.  16. Review in more detail the GIS Water & Sewer As-Built / Atlases submitted by each Volume Sewer Customer Utility in January-2019 to assure compliance with Code requirements.  17. Complete review of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities. Enforcement actions to be implemented accordingly.  18. Review televising reports received from the utilities within the COI.

	Table A-2.1 New CMOM Programs					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
		Program is being implemented in accordance with 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 County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	Provided updated in-house training to FOG Control Technicians and Inspectors.	Provide updated in-house training to FOG Control Technicians and Inspectors.		
			FOG Control 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	<ol> <li>Updated and distributed "Did You Know" flyers. Flyers were distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.</li> </ol>	Update and distribute Outreach flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.	
			3. Continued FOG Outreach, including workshops (e.g., West Coast Inspectors Workshop, and FOG and Utility Round Table meetings).	<ol> <li>Continue FOG Outreach, including West Coast Inspectors Workshop, and FOG and Utility Round Table meetings.</li> </ol>		
			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.	<ol> <li>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.</li> </ol>		
19(a)			<ol> <li>Updated FSE FOG Operating Permit (GDO) conditions, and included training requirements.</li> </ol>	Review FSE FOG Operating Permit (GDOs) conditions and update accordingly.		
			6. Continued enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Completed 92%.	6. Continue enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Goal is to achieve 100% compliance by June 2019. Facilities that remain out of compliance (8%) continue to be under enforcement.		
			7. Updated the Liquid Waste Transporter (LWT) permits, and included training requirements.	7. Review LWT Permit conditions and update accordingly.		
			8. Monitored "NO COMMINGLING of FOG" (implemented April 1, 2017) at the South District Wastewater Treatment Plant. Inspections include 1 day per week and every Saturday.	8. Continue monitoring "NO COMMINGLING of FOG" and take enforcement actions to correct violations, as applicable. Perform inspections at the South District Wastewater Treatment Plant. Inspections include 1 day per week and every Saturday.		
			<ol> <li>Continued to receive eManifest from LWTs. LWTs not submitting eManifest were advised that their operating permit would not be renewed.</li> </ol>	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					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
		The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial	10. Continued to perform and track FOG Construction Inspections, and to document inspection results to improve FOG Plan Review procedures.	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.		
		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 on September 7, 2017 and	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. Complaints were reviewed and prioritized for inspection accordingly.	11. Continue to track FOG Hot Spots and identify sources(s) and root cause(s). Take enforcement as required to remedy FOG Hot Spots.		
		enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	12. Continued to work with equipment manufactures to get FOG Control Devices approved for FOG2.0.	<ol> <li>Continue to work with equipment manufactures to get FOG Control Devices approved for FOG2.0.</li> </ol>		
	Fats, Oils and		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.		
19(a)	Grease Control Program (Continued)		14. Continued to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program. 2nd FOG Control Program Annual Review Report submitted to EPA/FDEP.	14. Continue 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.		
			15. Developed training program for 2019 GDO and LWT permitting cycle.	15. Develop or approve training programs for 2019 permitting cycle for LWTs and Disposal Facilities.		
			16. Worked in coordinating meetings for the FOG outreach program for residential.	16. Prepare a Public Outreach program outline and schedule in collaboration with MDC-WASD. Implementation of the Residential outreach program due by March 5, 2020.		
				17. Coordinate meetings with local business improvement districts (BIDs) to improve the outreach for businesses.		
				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.		

	Table A-2.1 New CMOM Programs					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
		The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with 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 County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.		19. Continue quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.		
				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. Starting September 30, 2019 implement annual routine inspections to the current 7,424 GDO permitted facilities.		
	Fats, Oils and Grease Control Program (Continued)			22. Continue with Hot Spots and complaints inspections, estimated as 336 inspections per year.		
19(a)				23. Implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages.		
				24. Continue confirmation inspections to facilities reported as closed. Estimated that 50% of the total 4,912 facilities are expected to be inspected in 2019.		
				25. Continue reviewing OL/CU/LBTR applications for FSEs. To assume compliance with FOG Control Program regulations.		
				26. Continue reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).		
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 reevaluation of the County's previous program.	<ol> <li>Continued holding monthly SSO evaluation meetings</li> <li>Held a Contractor Outreach Workshop, in coordination with Sunshine 811, in April 2019.</li> </ol>	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.		

	Table A-2.1 New CMOM Programs					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
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 dashboard for performance measure and KPI tracking.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond		
		The GIS Program is being developed in accordance with Paragraph 19(c)(x). This Program will improve the existing map of the County's entire WCTS. The scope of work for this	Manhole rim and pipe inverts and their inclusion into GIS - Completed. Updates continue as part of the GIS data maintenance process.	New data capture tools are being tested in the field. Updates to continue.		
	Geographic Information Systems Program	reported GIS data inconsistencies prior to June 7, 2017.  Geographic information systems Program	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 2019 Annual Report.		
19(c)(x)			GIS to Hydraulic Model Integration to satisfy     day requirement from GIS to Model –     Completed. Updates continue	The GIS Hydraulic Model integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2019 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.	Updated with data validation tools and GIS base maps . Future enhancements, as necessary.		
			GIS to Water Model Interface - Completed.     Improvements continue as opportunities arise.	Implemented validation checks and reporting. Updates to continue.		
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 was ongoing: WASD has brought on board a Consultant to assist them in developing a Department asset management framework.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.		
19(e)	Gravity Sewer System Operations and Maintenance Program	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.	2. Developed a matrix to identify basins to	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.		

	Table A-2.1 New CMOM Programs					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
19(f)	Pump Station Operations and Preventative Maintenance Program	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.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.		
19(g)	Force Main Operations, Preventative 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 Criticality Assessment and Prioritization Report was completed and submitted to the EPA/FDEP on July 17, 2018.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.		
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 March 13, 2019 to	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.  2. RER-DERM/WASD Coordination Meeting will be held at SD WWTP on July 10, 2019 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.		

	Table A-2.1 New CMOM Programs				
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
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 October 2017 to March 2018 can be found in Appendix C.	Work on the program will be ongoing and will continue beyond December 31, 2019.	

	Table A-3.1 South District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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.	Five screens have been completed to date.  Procurement continued.	Procurement will be completed and construction will resume.	
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 replace and retrofit existing air compression units.	Procurement continued. Construction commenced.	Procurement and 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 train, (2) for the electrical building expansions and mixer upgrades (OOL) and (3) oxygenation train - SS 5/6 and SS 15/16 (OOL).	<ul> <li>1.3(1) Procurement Train 4 Oxygenation tanks structural rehab continued.</li> <li>1.3(2) Design for Electrical Building Expansion and Oxygenation Trains Mixer Upgrades continued.</li> <li>1.3(3) Design continued for oxygenation train - SS 5/6 and SS 15/16.</li> </ul>	<ul> <li>1.3(1) Procurement for Train 4 Oxygenation tanks structural rehab will be completed and construction will commence.</li> <li>1.3(2) Design for Electrical Building Expansion and mixer upgrade will be completed.</li> <li>Permitting will commence.</li> <li>1.3(3) Design for oxygenation train - SS 5/6 and SS 15/16 will be completed and permitting will commence.</li> </ul>	
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.	Design continued and permitting commenced.	Design will be completed and permitting will continue.	
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 2 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(2) Procurement continued.	1.5(1) Procurement of wetwells # 3 & 4 will be completed and construction of Wetwells # 3 & 4 will commence. 1.5(2) Procurement will be completed and construction will commence.	
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.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)	Procurement will continue.	

	Table A-3.1 South District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
1.7	Digesters and	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; 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.	Procurement and construction continued.	Procurement will be completed and construction will continue.	
1.8		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.)	Procurement will continue.	
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.	Design continued and permitting started.	Design and permitting will continue.	
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 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; 3) Replace Primary Feeders from Electrical Building 1 to Substations 7 & 8 9 - This work is part of Project 1.07.	1.11(1.1) Procurement (including Re-Bid) continued .  1.11(1.2) Re-Design was completed. Permitting commenced and procurement continued.  1.11(2) Procurement continued  1.11(3) Deleted. The scope of this project is part of Project 1.07 and will no longer be tracked as a separate child project.	1.11(1.1) Procurement (Re-Bid) will be completed and construction will commence.  1.11(1.2) Permitting and procurement will be completed. Construction will commence.  1.11(2) Procurement will be completed. Construction will commence.	

	Table A-3.1 South District WWTP Capital Improvement Projects					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
1.12	Chlorine Contact Chamber Structural Rehabilitation		1.12(1) Actuator Replacement reached substantial completion on June 5, 2018.      1.12(2) Procurement for Structural rehab. of contact chambers # 3 and #4 commenced.	1.12(2) Procurement for Structural rehab. of contact chambers # 3 and #4 will be completed and construction will commence. Procurement for Structural rehab. of contact chamber #2 will commence.		

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 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 17 & 18 – This work is part of Project 2.19(2a).  7) Substations 7A, 8A, 9A & 10A	Note: The majority of this work will be done in conjunction with other CD projects. 2.1(1) Construction Sub-Stations 1 & 2 Completed on May 5, 2016. 2.1(2) Construction commenced. 2.1(3) Construction continued. 2.1(4) Procurement continued. 2.1(5) Construction continued. 2.1(6) Construction continued. 2.1(7) Design was completed and permitting commenced.	2.1(2) Construction will continue. 2.1(3) Construction will continue. 2.1(4) Procurement will be completed and construction will commence. 2.1(5) Construction will continue. 2.1(6) Construction will be completed. 2.1(7) Permitting will be completed and procurement will commence.	
2.2	Building Improvements	The CDWWTP Building Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the repair of maintenance, operations control and administration buildings at the plant. It includes the repair of the roofs and the staff facility. This project has been split into child projects.1a) Building Improvements - Administration Building Asbestos Abatement. 1b) Administration Building Interior Improvements 1c) Miscellaneous Roof Improvements 2) Remodel Bathrooms, Locker Rooms & Showers.	<ul><li>2.2(1b) Construction was completed on January 17, 2018.</li><li>2.2(1c) Completed on October 19, 2016.</li><li>2.2(2) Construction activities suspended on</li></ul>	2.2(2) Construction will continue.	
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.	Construction continued.	Construction will be completed.	
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 will be 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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
2.6	Oxygenation Trains Plant 2	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.	Procurement and construction continued.	Procurement will be completed and construction will continue.	
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.	<ul><li>2.7(2) Construction continued.</li><li>2.7(3) Procurement and construction</li></ul>	2.7(1) Design will be completed and permitting 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.	Design continued and permitting commenced.	Design will be completed and permitting 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 Dump	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.		Procurement 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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 design-build delivery method.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)	Procurement will continue.	
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 continue.	
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 2; 2.15(3) 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) Permitting was completed and procurement continued. 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 continue.	

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
2.16	Dewatering Building	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 continue.	
2.17	Chlorination Facilities	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) Construction continued. 2.18(2) Procurement continued. (Bid cancellation on May 30, 2018. (Project was readvertised in November, 2018.)	2.18(1) Construction will be completed. 2.18(2) Procurement will continue.	
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) Completed on January 27, 2016. 2.19(2a) Construction continued. 2.19(2b) Construction continued.	2.19(2a) Construction will continue. 2.19(2b) Construction will continue.	
2.20	Septage Uploading	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.	Motion to delete Project 2.20 Septage Uploading at CD WWTP has been approved by the Court on December 28, 2016.	N/A	

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 continued.	Construction will be completed.	
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 continue.	
2.23	O <sub>2</sub> Plant Process Controls Phase 2	The CDWWTP O <sub>2</sub> 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	broken down into multiple components to more accurately reflect the way	2.25(1) N/A 2.25(2) Construction continued. 2.25(3) Construction continued. 2.25(4) Construction continued. 2.25(5) Construction continued.	2.25(1)N/A 2.25(2) Construction will be completed. 2.25(3) Construction will continue. 2.25(4) Construction will be completed. 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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 commenced.	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.		N/A
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.	Completed. Work started February 2013 and was completed June 5, 2014 ahead of the CD compliance date June 24, 2014.	N/A

	Table A-3.3 North District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
3.1	Headworks and Sludge Degritting Transfer	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	N/A	
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, ahead of CD compliance date of April 6, 2023. 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. Procurement for cleaning of Tank #5 was completed. Cleaning of Tank #5 was completed.	Design will continue.	
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 will continue.	
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) Remaining Scope of Work.	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.	Permitting was completed and construction commenced.	Construction will continue.	
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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 will be replaced in conjunction with Project 3.1.  3) Electrical Feeders 7-8 Feeders 7 and 8 will be replaced along with Project 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) N/A 3.8(2) N/A 3.8(3) Electrical Feeders 7-8 design will continue. 3.8(4) Design will be completed. Permitting will commence and be completed. Construction will continue.		
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	to Paragraph 19(i) and Appendix D. The purpose of this project is to replace	Project was completed on May 24, 2016, ahead of the CD compliance date of December 4, 2021.	N/A		
3.11	SCADA RTU Upgrades		Project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.	N/A		

Table A-4.1 Wastewater Collection and Transmission Lines								
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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.	Project was completed on November 23, 2016, ahead of the CD compliance date of April 8, 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	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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
	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.	Construction was completed on December 7, 2015 ahead of the CD compliance date of April 9, 2017.	N/A			
1 / 2	Rehabilitation of 54 inch PCCP FM in the City of Miami	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.	Construction of CD CIP 4.8 was completed on June 16, 2017.	N/A			
4.9	Replace Approximately 30 miles of AC FM Transmission System	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 and construction continued. See individual status of each project in Table A-4.2.	Design, permitting, procurement and construction will continue. See individual status of each project in Table A-4.2.			
4.10	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		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 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System								
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters				
1	12	SW 112 Ave. & SW 104 St.	SW 112 Ave. & SW 112 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.				
2	8	NE 14 Ave. & 191 St.	NE 14 Ave. & Miami Gardens Dr.	Construction for this project was completed on October 25, 2016.	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 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System								
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.				
28	8	PS 786	MH 5 @ PS 785	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.				
29	12	PS 811	SW 107 Ave. & SW 76 St.	Construction continued.	Construction will be completed.				
30	12	PS 811	SW 102 Ave. & SW 81 St.	Construction continued.	Construction will be completed.				
31	10	PS 812	SW 102 Ave. & SW 84 St.	Construction continued.	Construction will be completed.				
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 Proje	ect 4.9 Replacement of Approximately 30 Miles	AC FM Transmission System	
Line Number	Diameter	From Location	To Location	To Location  Actions Completed During Previous Two 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.	Construction commenced.	Construction will continue.
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	Construction commenced.	Construction will continue.
36	4	PS 721	US1 & Banyan St.	Construction commenced.	Construction will continue.
37	4	PS 749	PS 731	Construction commenced.	Construction will continue.
38	4	PS 747	US1 & East Indigo St.	Construction commenced.	Construction will continue.
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	Construction commenced.	Construction will continue.
40	8	PS 745	SW 102 Ave. & SW 175 St.	Construction commenced.	Construction will continue.
41	4	PS 731	SW Duval Ave. & West Indigo St.	Construction commenced.	Construction will continue.
42	10	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	Construction commenced.	Construction will continue.
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	Construction commenced.	Construction will continue.
44	8	PS 810	SW 118 Pl. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
45	12	PS 793	SW 118 Pl. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
46	6	PS 724	SW 106 Ave. & SW 155 St.	Construction commenced.	Construction will continue.
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.	Construction continued.	Construction will be completed.
49	10	PS 1029	SW 132 Ave. & 268 St.	Construction continued.	Construction will be completed.
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	Construction continued.	Construction will be completed.
51	10	PS 1028	SW 137 Ave. & 288 St.	Construction continued.	Construction will be completed.
52	10	PS 1027	SW 132 Ave. & 280 St.	Construction continued.	Construction will be completed.
53	8	PS 1018	MH 44A @ SW 132 Ave.	Construction continued.	Construction will be completed.
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
56	8	PS 864	SW 147 Ave. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
57	8	SW 142 Ave. & Kendale Lakes Blvd.	SW 140 Ave. & Kendale Lakes Blvd.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.			
58	10	SW 140 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & Kendale Lakes Blvd.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.			
59	12	SW 137 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & SW 81 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.			
60	8	PS 1013	PS 1012	Procurement was completed. Construction commenced.	Construction will be completed.			
61	10	PS 1012	SW 144 Ave. & SW 280 St.	Procurement was completed. Construction commenced.	Construction will be completed.			
62	8	PS 1011	SW 144 Ct. & SW 280 St.	Procurement was completed. Construction commenced.	Construction will be completed.			
63	10	SW 147 Ave. & SW 288 St.	SW 134 Pl. & SW 288 St.	Construction continued.	Construction will be completed.			
64	6	PS 1009	SW 147 Ave. & SW 296 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.			
65	6	PS 1006	PS 1005	Procurement was completed and construction commenced.	Construction will continue.			
66	8	PS 1002	SW 152 & SW 304 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.			

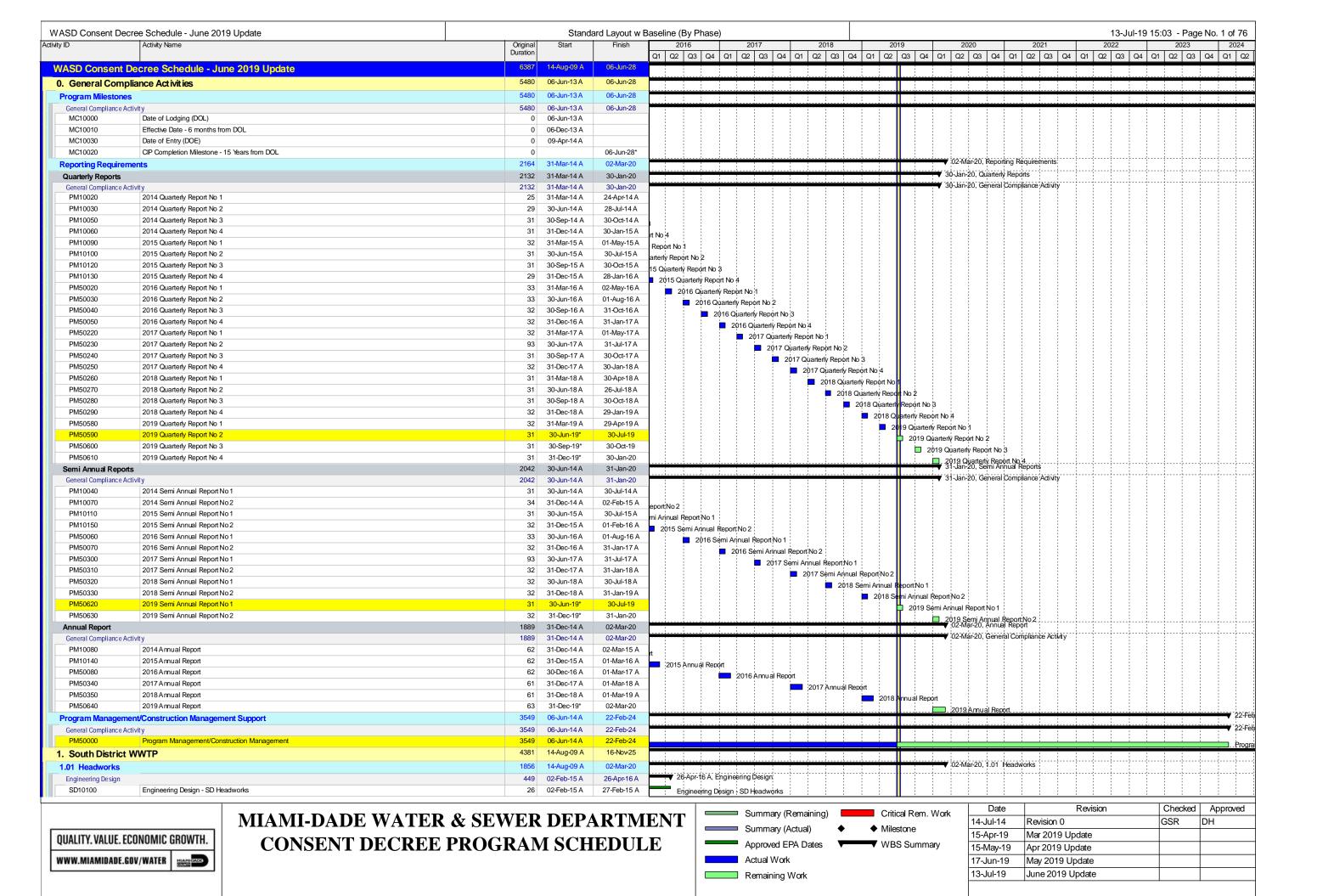
	Table A-5.1 Sewer Pump Station Systems							
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters				
5.1	Upgrade of PS No. 0418	The Upgrade of PS No. 0418 project is being performed 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 continued.	Construction will be completed.				
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 0691. EPA and FDEP approved the request for modification in April 2016.	Construction continued.	Construction will be completed.				
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.	Procurement was completed and construction commenced.	Construction will continue.				
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 1310 and PS 0300. The purpose of this project is to convert PS 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.	N/A				
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 $\rm H_2S$ . 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 0415.	Construction continued.	Construction will be completed.				
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.	N/A				
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 0417.	Construction continued.	Construction will continue.				

	Table A-5.1 Sewer Pump Station Systems							
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 0107.	23, 2018 ahead of CD compliance date	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 0301. Phase 2 will include the construction of a new submersible pump station.	Design was completed. Permitting and procurement continued.	Permitting and procurement will be completed. Construction will commence.				
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.	This project was completed on December 8, 2016 ahead of the CD compliance date of May 9, 2018.	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 0559 and PS 0536. The purpose of this project was originally to install a 60 inch FM from Kendall Dr. to PS 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.	N/A				
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.	This project reached substantial completion 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.	N/A				

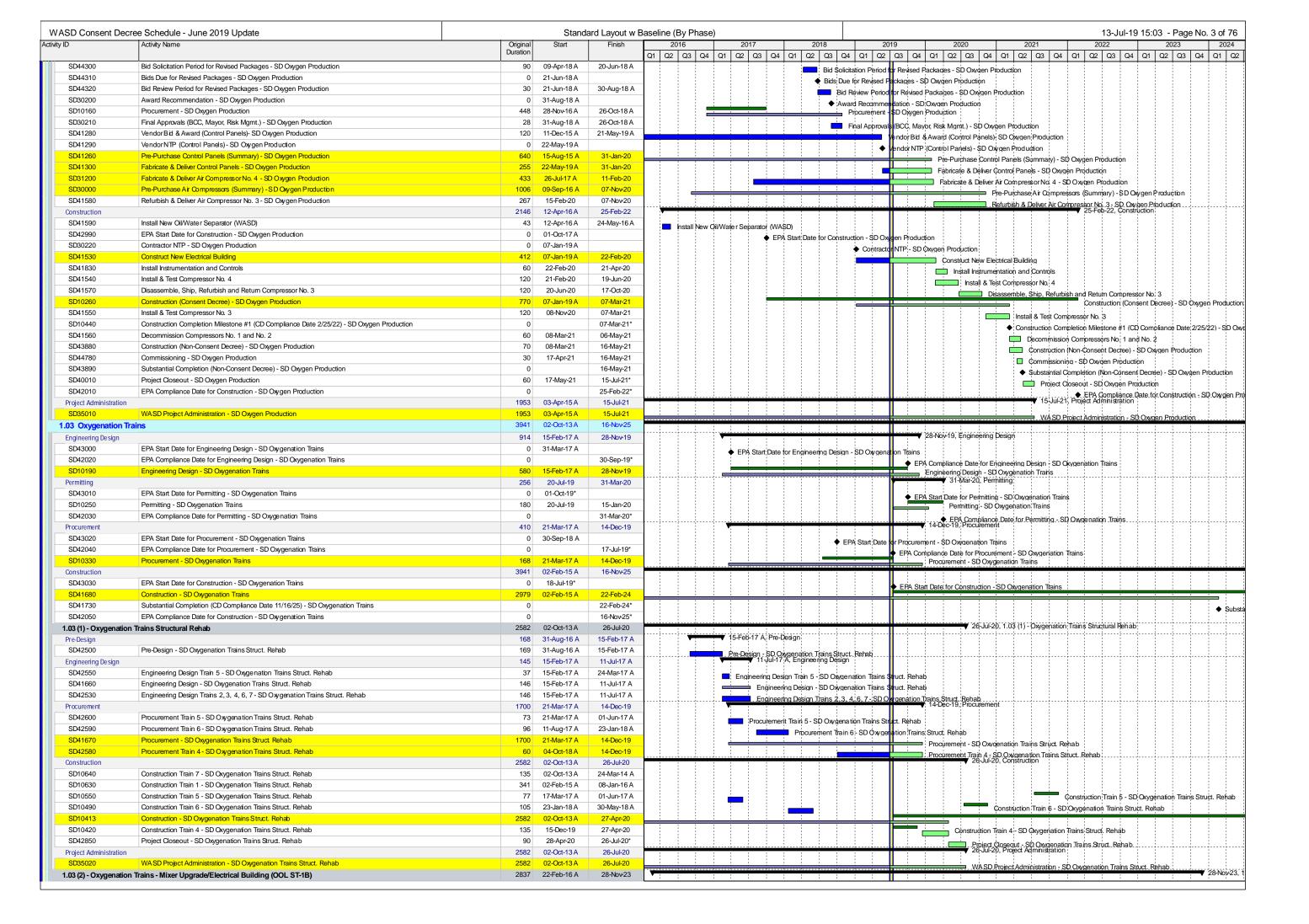
	Table A-5.1 Sewer Pump Station Systems							
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters				
5.14	Upgrade of PSs Nos. 0086 and 0492	The Upgrade of Pump Stations No. 0086 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, Pump Station 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 Pump Station No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	2013, ahead of the CD compliance date of December 31, 2013.	N/A				
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 l/l 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.	This project was completed on December 30, 2015 ahead of the CD compliance date December 31, 2015.	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 #0198 is being upgraded to include new submersible pumps in a new triplex wet well, an electrical upgrade and flow isolation. PS #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 #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				

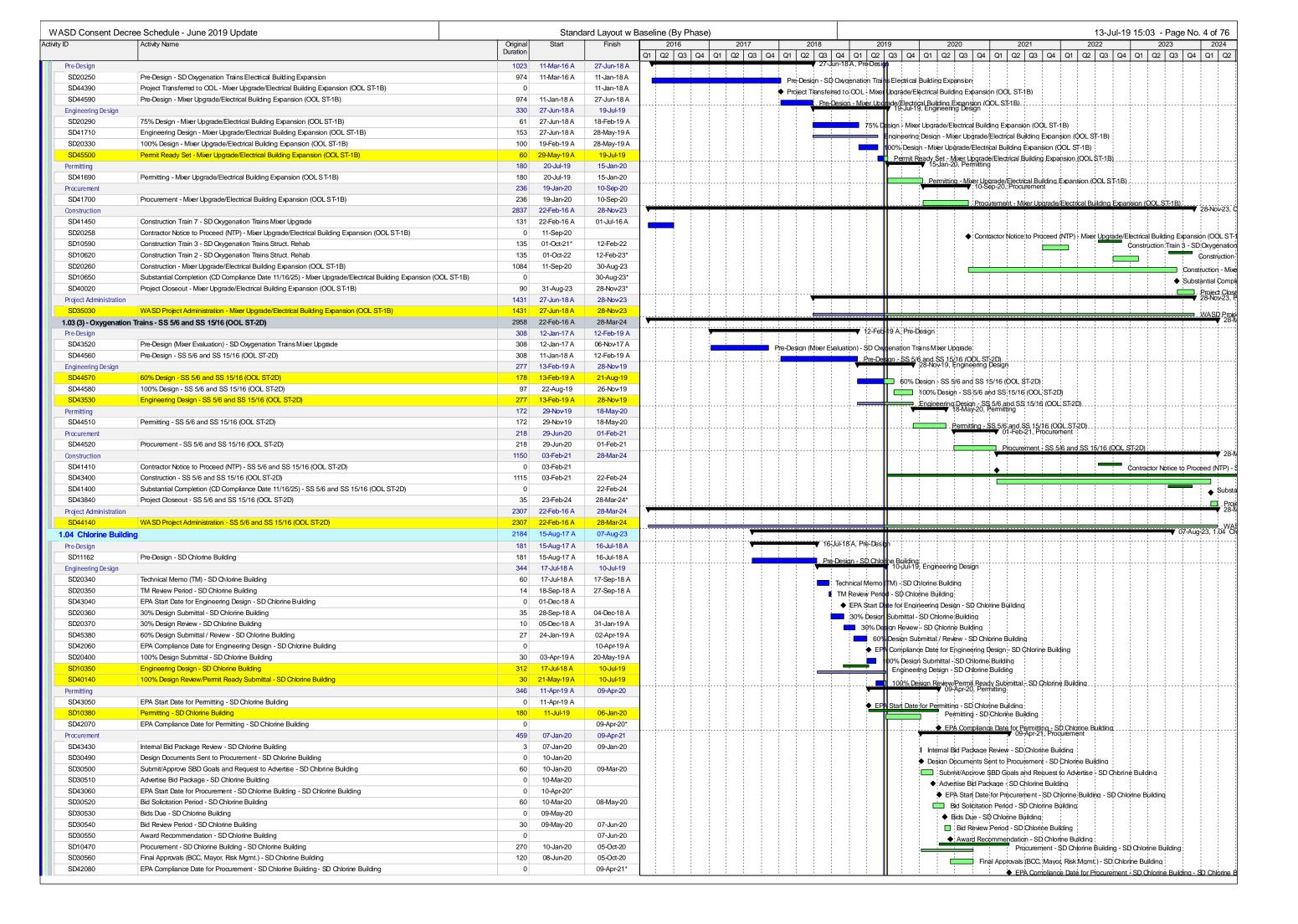
	Table A-5.1 Sewer Pump Station Systems							
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters				
5.17	Upgrade of PSs Nos. 0037, 0351, 0370, 0403	The Upgrade of PSs No. 0037, 0351, 0370, 0403 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. 0037 project involves the conversion to a new submersible type pump station and an electrical upgrade. The PS No. 0351 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the replacement of 360 L.F. of 4 inch with 8 inch FM. The PS No. 0370 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 760 L.F. of new 8 inch FM. The PS No. 0403 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of an on-site generator. This project is split into four (4) different sub/child projects (one per pump station).  5.17(1) Pump Station 0037 Compliance Project 5.17(2) Pump Station No. 0351 Upgrade 5.17(3) Pump Station No. 0370 Upgrade and Installation of FM 5.17(4) Pump Station 0403 Upgrade	This project was completed on April 30, 2018 ahead of CD compliance date of November 20, 2018. 5.17(1) PS#0037: Construction was completed on November 14, 2017. 5.17(2) PS#0351: Construction was completed on December 1, 2017. 5.17(3) PS#0370: Construction was completed on January 11, 2018. 5.17(4) PS#0403: Construction was completed on April 30, 2018.	N/A				
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 0441 Upgrade 2) Pump Station 0491 Compliance Project 3) Pump Station 0827 Compliance Project 4) Pump Station 0827 Compliance Project 5) Pump Station 1236 Compliance Project 6) Pump Station 1236 Compliance Project — Consent Decree requirements for this project were accomplished and received EPA certification for Substantial Completion. PS#1236 has maintenance issues and will be resolved under phase 2 for which CD deadlines are not applicable.	<ul> <li>5.18(3) Construction continued.</li> <li>5.18(4) Construction continued.</li> <li>5.18(5) Construction continued.</li> <li>5.18(6) Completed on May 1, 2017.</li> </ul>	5.18(1) Construction will be completed. 5.18(2) Construction will be completed. 5.18(3) Construction will be completed. 5.18(4) Construction will be completed. 5.18(5) Construction will be completed.				
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				

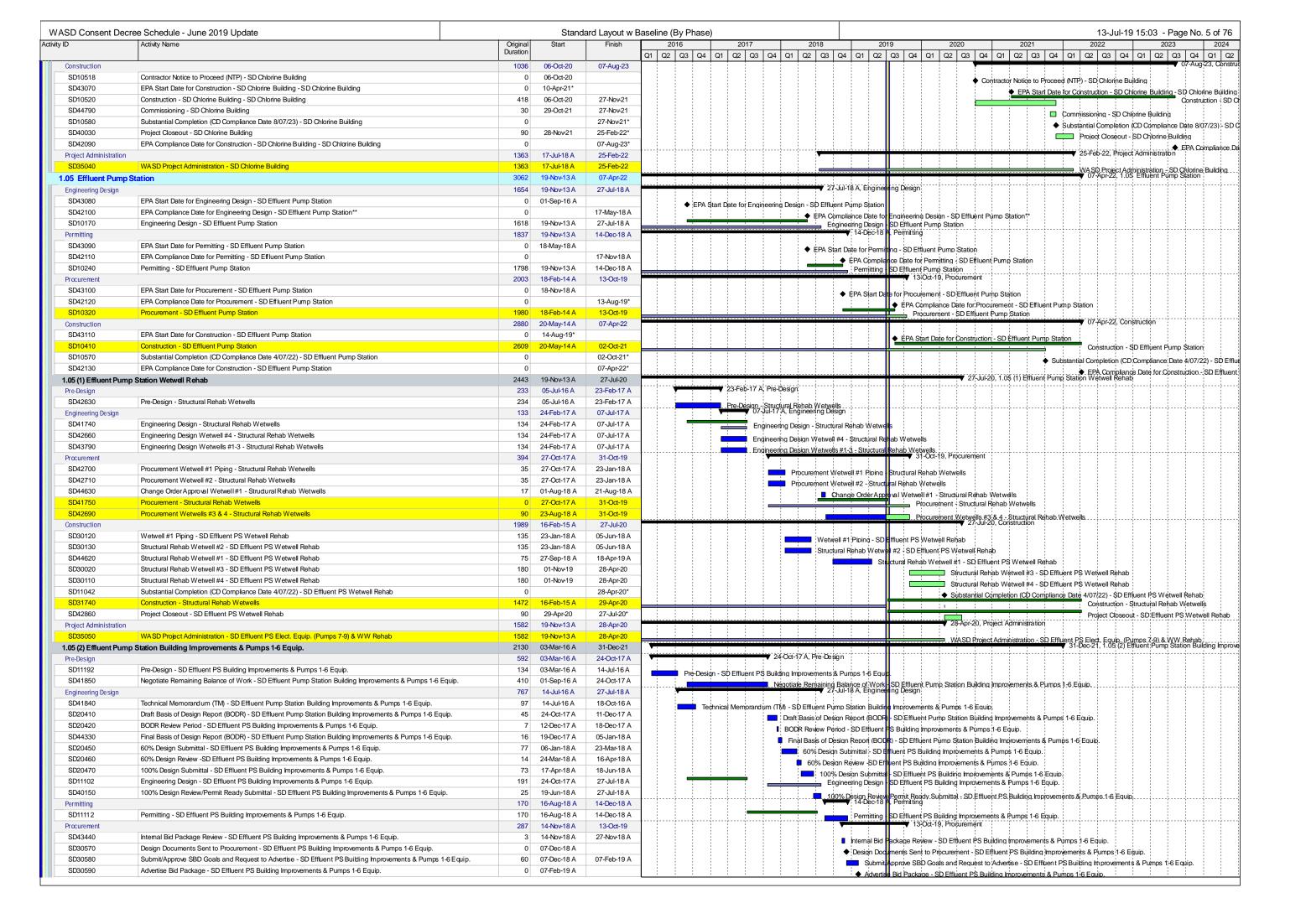
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	ecree Schedule - June 2019 Update				v Baseline (By Phase) 13-Jul-19 15:03 - Page No. 2 o
ty ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2 Q1 Q2 Q3 Q4 Q1
SD42920	EPA Start Date for Engineering Design - SD Headworks	0	01-Oct-15 A		Start: Date for Engineering Design - SD Headworks
SD41910	EPA Compliance Date for Engineering Design - SD Headworks	0		26-Apr-16 A	
Permitting		814	02-Feb-15 A	26-Apr-17 A	◆ EPA Compliance Date for Engineering Design - SD Headworks  26 Apr-17 A, Permitting
SD10120	Permitting - SD Headworks	26	02-Feb-15 A	27-Feb-15 A	Permitting - SD Headworks
SD42930	EPA Start Date for Permitting - SD Headworks	0	27-Apr-16 A		◆ EPA Start Date for Permitting - SD Headworks
SD41920	EPA Compliance Date for Permitting - SD Headworks	0		26-Apr-17 A	
Procurement		1706	02-Feb-15 A	04-Oct-19	▼ 04-Oct-19, Procurement
SD42940	EPA Start Date for Procurement - SD Headworks	0	27-Apr-17 A		◆ EPA Start Date for Procurement - SD Headworks
SD41960	EPA Compliance Date for Procurement - SD Headworks**	0		26-Apr-18 A	The contribution of the co
SD45400	Procurement Grit #1 (Screen #3) - SD Headworks	21	01-Jan-19 A	06-Jun-19 A	Procurement Grit #1 (Screen #3) - SD Headworks
SD45440	Procurement Grit #2 (Screen #1) - SD Headworks	21	10-Aug-19*	30-Aug-19	□ Procurement Grit #2 (Screen #1) - SD Headworks
SD10220	Procurement - SD Headworks	1180	02-Feb-15 A	04-Oct-19	Propurement - SD Headworks
SD45450	Procurement Grit #2 (Screen #3) - SD Headworks	21	14-Sep-19	04-Oct-19	Procurement Grit #2 (Screen #3) - SD Headworks.
Construction		1806	14-Aug-09 A	02-Mar-20	▼ 02-Mar-20, Construction
SD44340	Rehab Grit #2 (Screen #2) - SD Headworks	90	07-Dec-11 A	07-May-12 A	<b>─                                    </b>
SD41380	Rehab Grit #1 (Screen #1) - SD Headworks	62	15-Jun-12 A	19-Oct-12 A	<b>─</b>
SD41310	Rehab Grit #1 (Screen #4) - SD Headworks	90	14-Aug-09 A	16-Apr-15 A	Screen #4) - SD Headworks
SD44360	Rehab Grit #2 (Screen #4) - SD Headworks	90	12-Nov-13 A	16-Apr-15 A	Screen #4) - SD Headworks
SD41510	Rehab Grit #1 (Screens #2) - SD Headworks	358	22-Oct-12 A	23-Oct-15 A	nab Grit #1 (Screens #2) - SD Headworks
SD42950	EPA Start Date for Construction - SD Headworks	0	27-Apr-18 A		♦ EPA Start Date for Construction - SD Headworks
SD41320	Rehab Grit #1 (Screen #3) - SD Headworks	47	15-Jul-19*	30-Aug-19	Rehab Grit #1 (Screen #3) - SD Headworks
SD41370	Rehab Grit #2 (Screen #1) - SD Headworks	35	31-Aug-19	04-Oct-19	Rehab Grit #2 (\$creen #1) - \$D Headworks
SD10300	Construction - SD Headworks	1698	14-Aug-09 A	03-Dec-19	Construction - SD Headworks
SD44350	Rehab Grit #2 (Screen #3) - SD Headworks	60	05-Oct-19	03-Dec-19	Rehab Grit #2 (Screen #3) - SD Headworks
SD10460	Substantial Completion (CD Compliance Date 2/23/20) - SD Headworks	0		03-Dec-19*	◆ Substantial Completion (CD Compliance Date 2/23/20) - SD Headworks
SD41970	EPA Compliance Date for Construction - SD Headworks	0		23-Feb-20*	◆ EPA Compliance Date for Construction - SD Headworks
SD40000	Project Closeout - SD Headworks	90	04-Dec-19	02-Mar-20*	Project Closeout - SD Headworks 02-Mai-20, Project Administration
Project Administratio	on	1838	02-Feb-15 A	02-Mar-20	▼ 02-Mar-20, Project Administration
SD35000	WASD Project Administration - SD Headworks	1838	02-Feb-15 A	02-Mar-20	WASD Project Administration + SD. Headworks
1.02 Oxygen Prod	duction	2658	17-Nov-14 A	25-Feb-22	VASD-Fige:D30(hittsdatibil 3.5) Feadwards 7 25-Feb-22, 1.02 Oxygen Production
Pre-Design		1131	17-Nov-14 A	08-Jan-18 A	▼ 08-Jan-18 A, Pre-Design
SD11232	Pre-Design - SD Oxygen Production	143	17-Nov-14 A	08-Apr-15 A	Oxygen Production
SD42420	Negotiations for ESDC & Stormwater Permit - SD Oxygen Production	497	14-Jul-15 A	21-Nov-16 A	Negotiations for ESDC & Stormwater Permit - SD Oxygen Production
SD44370	Allowance Request Proposal for Re-Bid - SD Oxygen Production	22	26-Oct-17 A	08-Jan-18 A	Allowanch Populate Phonocal for Pla Rid SD Owner Production
Engineering Design		515	01-Jan-15 A	29-May-16 A	
SD42960	EPA Start Date for Engineering Design - SD Oxygen Production**	0	01-Jan-15 A		ineering Design - SD Owgen Production**
SD20180	Basis of Design Report (BODR) - SD Oxygen Production	100	03-Apr-15 A	11-Jul-15 A	
SD20190	BODR Review Period - SD Oxygen Production	14	12-Jul-15 A	25-Jul-15 A	
SD20200	30% Design Submittal - SD Oxygen Production	16	26-Jul-15 A	10-Aug-15 A	
SD20210	30% Design Review - SD Oxygen Production	7	11-Aug-15 A	17-Aug-15 A	
SD20220	60% Design Submittal - SD Oxygen Production	49	18-Aug-15 A	05-Oct-15 A	
SD30990	Develop Equipment Pre-Purchase Package - SD Oxygen Production	7	29-Sep-15 A	05-Oct-15 A	
SD20230	60% Design Review - SD Oxygen Production	9	05-Oct-15 A	13-Oct-15 A	
SD20240	100% Design Submittal - SD Oxygen Production	55	14-Oct-15 A	07-Dec-15 A	100% Design Submittal - SD 0xygen Production
SD10050	Engineering Design - SD Oxygen Production	311	03-Apr-15 A	07-Feb-16 A	
SD40120	100% Design Review/Permit Ready Submittal - SD Oxygen Production	62	08-Dec-15 A	07-Feb-16 A	
SD41980	EPA Compliance Date for Engineering Design - SD Oxygen Production	0		29-May-16 A	. 1
Permitting		466	08-Feb-16 A	19-May-17 A	◆ EPA Compliance Date for Engineering Design - SD. Oxygen Production  19-May-17 A., Permitting:
SD42970	EPA Start Date for Permitting - SD Oxygen Production	0	30-May-16 A		♣ EDA Start Date for Deposition SD Classes Dead latins
SD10090	Permitting - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	◆ EPA Start Date for Permitting - SD Oxygen Production  Permitting - SD Oxygen Production
SD41810	RER Derm Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	
SD42890	Building Dept. Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	RER Definit - SD Oxygen Ploduction
SD41820	Stormwater Permit - SD Oxygen Production	141	22-Nov-16 A	11-Apr-17 A	Building Lebit. Permit-5D Gxyden Production.
SD41990	EPA Compliance Date for Permitting - SD Oxygen Production	0		19-May-17 A	Signification Supplies Supplie
Procurement		1521	15-Aug-15 A	07-Nov-20	◆ EPA Compliance Date for Permitting - SD Oxygen Production . ▼ 07-Nov-20, Procurement
SD41250	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production	298	15-Aug-15 A	10-Dec-15 A	
SD42980	EPA Start Date for Procurement - SD Oxygen Production	0	26-Nov-16 A		Pre-Fundase bio-Package (Willio Paries) - 50 0xygen Production
SD30140	Design Documents sent to Procurement - SD Oxygen Production	0	28-Nov-16 A		▶ EPA Start Date for Procurement - SD Oxygen Production
SD31160	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production	146	09-Sep-16 A	01-Feb-17 A	Design Documents sent to Procurement - \$D Ox/gen Production    Procurement - \$D Ox/gen Production   Pro
SD31170	Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production	0	02-Feb-17 A	11.02177	Pie-Pulchase bio Package (All Complessors) - SD Oxygen Production
SD30150	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production	86	28-Nov-16 A	21-Feb-17 A	★ Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production
SD30160	Advertise Bid Packages - SD Oxygen Production	00	22-Feb-17 A	2.105-11 A	Submit Applove SpD Goals and Request to Advertise - SD Coyden Production
SD30160 SD30170	Bid Solicitation Period - SD Oxygen Production	105	22-Feb-17 A 22-Feb-17 A	06-Jun-17 A	◆ Advertise Bid Packages - SD Oxygen Production
	17			OO-JUIFT/ A	bia Soliciation Petiod - 5D Oxyden Production
SD30180	Bids Due - SD Oxygen Production	0	07-Jun-17 A	2F 1:147 A	Bids Due - \$D Ox/gen Production
SD31180	Vendor Bid & Award (Air Compressors) - SD Oxygen Production	174	02-Feb-17 A	25-Jul-17 A	verticol bu & Award (All Compressors): SD Caygen Production
SD31190	Vendor NTP (Air Compressors) - SD Oxygen Production	0	26-Jul-17 A	20 Can 47 A	◆ Vendor NTP (Air Compressors) - \$D Oxygen Production
SD42000	EPA Compliance Date for Procurement - SD Oxygen Production	0	07.1 4= 1	30-Sep-17 A	The production is a second procurement - \$D Oxygen Production is a seco
SD30190	Bid Review Period - SD Oxygen Production	180	07-Jun-17 A	27-Nov-17 A	Bid Review Period - SD Oxygen Production
SD44380	Bids Rejected - SD Oxygen Production	0	40.14	27-Nov-17 A	■ Dias Rejected - 5D Oxygen Pladuction
SD44500	RTA Approval for Revised Packages - SD Oxygen Production	30	12-Mar-18 A	23-Mar-18 A	II RTA Approval for Revised Packages - SD Oxygen Production
SD44280	Revise Bid Packages - SD Oxygen Production	30	08-Jan-18 A	04-Apr-18 A	Revise Big Packages - 5D Oxygen Production
	Out with a second CRD Cook for Deviced Devices CRD Cooks Deviced	4	05-Apr-18 A	08-Apr-18 A	
SD44610	Submit/Approve SBD Goals for Revised Packages - SD Oxygen Production		007401071	007tp: 107t	Submit/Approve SBD Goals for Revised Packages - \$D Oxylgen Production





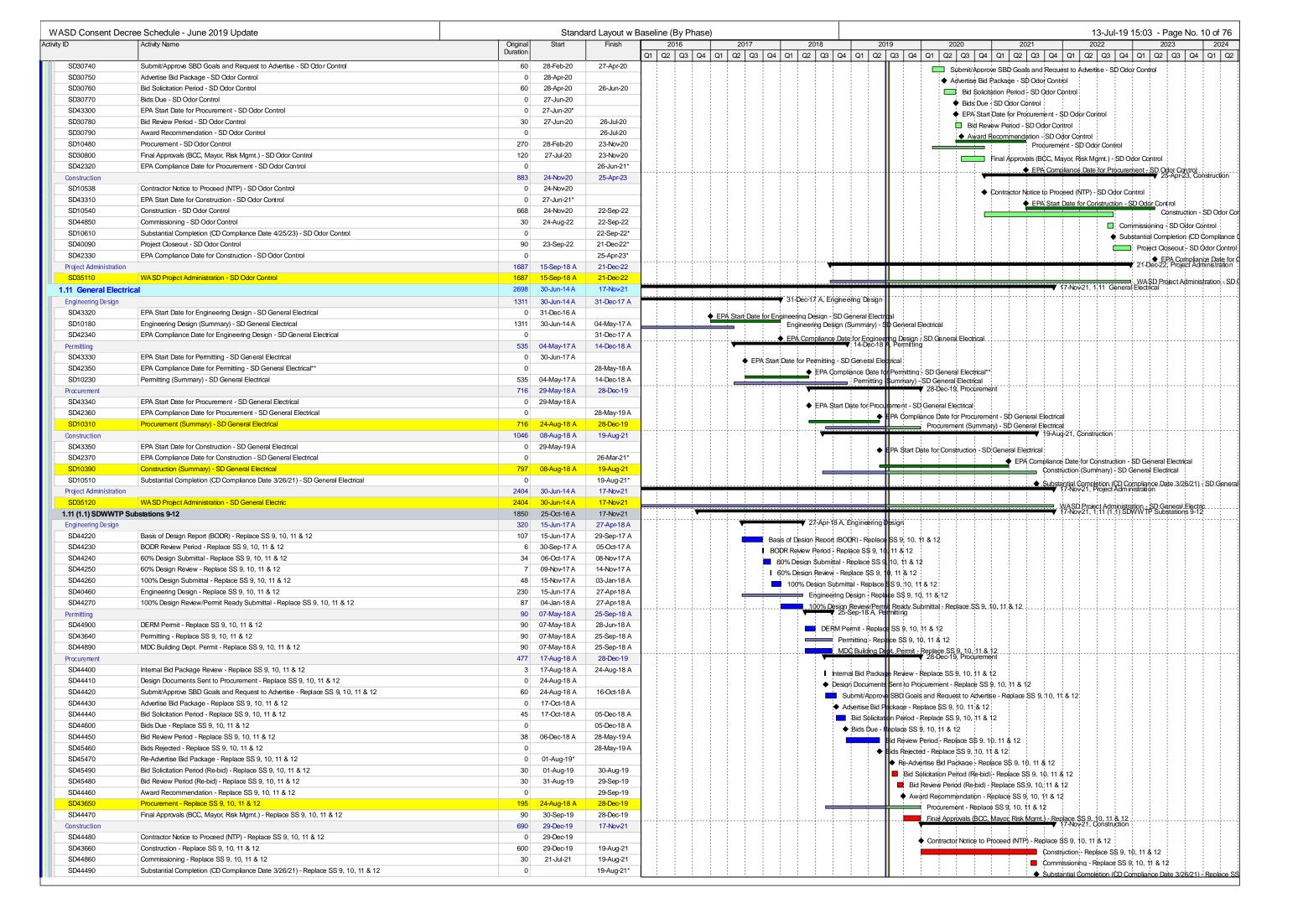


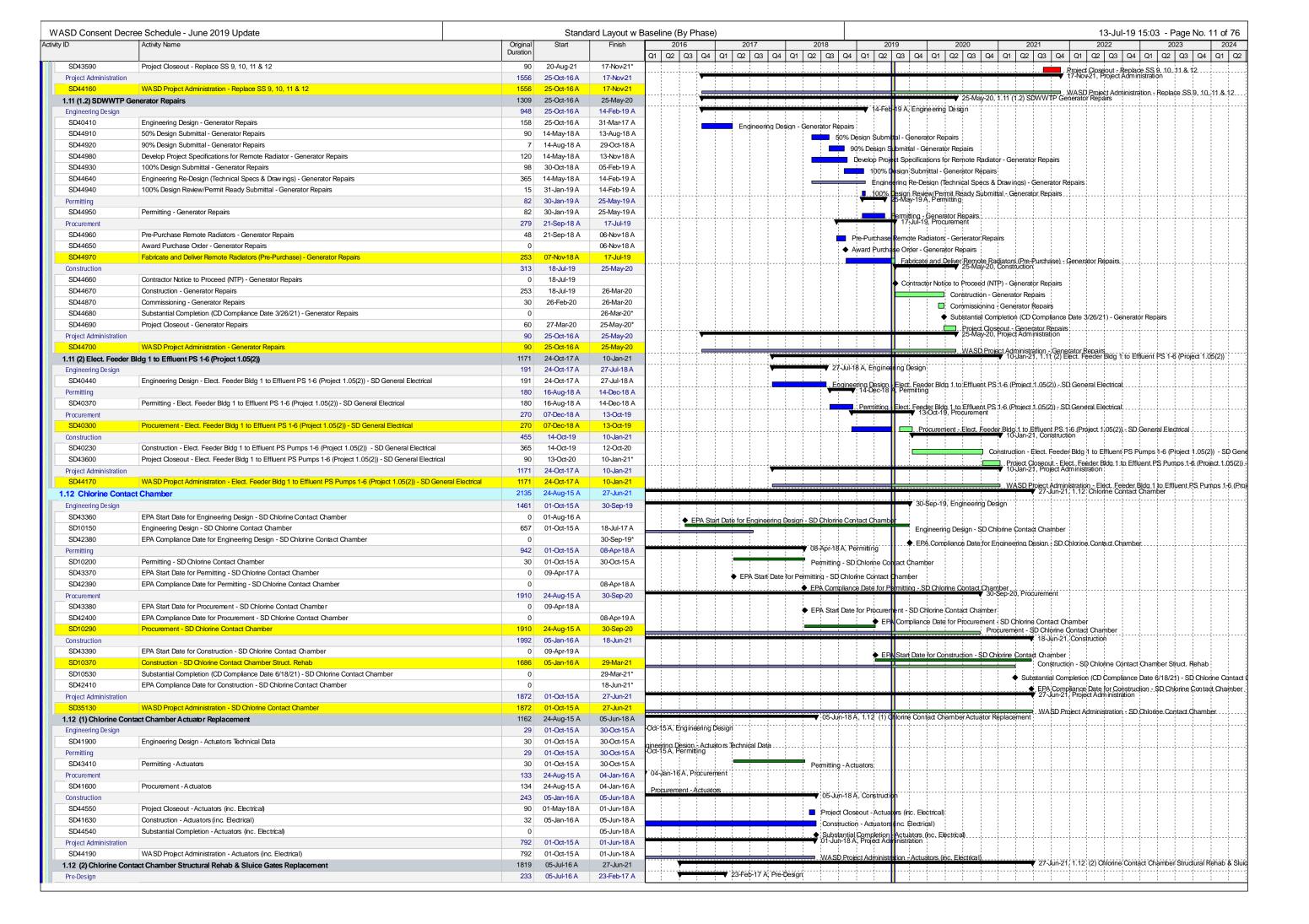
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SD11122 Procurement - SD Effluent PS Building Impro SD30640 Final Approvals (BCC, Mayor, Risk Mgmt.) - S Construction SD11130 Contractor Notice to Proceed (NTP) - SD Efflu SD11132 Construction - SD Effluent PS Building Impro SD44800 Commissioning - SD Effluent PS Building Impro SD11142 Substantial Completion (CD Compliance Date SD40040 Project Closeout - SD Effluent PS Building Imp Project Administration SD35660 WASD Project Administration - SD Effluent PS I.05 (3) Effluent Pump Station Electrical Equipment (Pumps 7-9) Engineering Design SD11002 Engineering Design - SD Effluent PS Electrical Permitting SD11012 Permitting - SD Effluent PS Electrical Equip Procurement SD11022 Procurement - SD Effluent PS Electrical Equip Construction SD11032 Fabricate & Deliver Equipment - SD Effluent PS SD30010 Install Electrical Equipment - SD Effluent PS SD30010 Install Electrical Equipment - SD Effluent PS SD30010 Install Electrical Equipment - SD Effluent PS SD30010 WASD Project Administration - SD Effluent PS SD44620 Construction - SD Effluent PS Electrical Equip Project Administration SD44150 WASD Project Administration - SD Effluent PS SD30010 WASD Project Administration - SD Effluent PS SD20480 Technical Evaluation of Alternates - SD Gravity SD20550 Negotiate Scope and Cost with MWH - SD G SD20780 Basis of Design Report (BODR) - SD Gravity S SD10280 Engineering Design - SD Gravity Sludge Thicker SD31020 Design Criteria Package hitial Submittal - SD SD31040 Design Criteria Package hitial Submittal - SD SD31040 Design Criteria Package hitial Submittal - SD SD31040 Design Criteria Package Design - SD Gravity Sludge Thicker SD3120 EPA Start Date for Engineering Design SD3120 EPA Start Date for Engineering Design SD3120 EPA Start Date for Engineering Design Permitting SD3120 Shortist Package Due - SD Gravity Sludge SD31500 Qualification SD Gravity Sludge Thickere SD31480 Advertise RDBS - SD Gravity Sludge Thickere SD31480 Request for Qualifications - SD Gravity Sludge SD3150 Qualification Package Due - SD Gravity Sludge SD315	ut PS Building Improvements & Pumps 1-6 Equip.	30	04-Apr-19 A	15-Jul-19	■ Bid Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.  Bid Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
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SD44750 TA Re-Negotiation and Approval - SD Gravity : SD44990 Receipt of Revised Scope of Services, Submit SD45000 Submit approved Review Item to SBD, Receipt SD45010 Project Advertisement (after signed RTA) - SD SD45040 Select and Approve Competitive Selection Co		79	18-Nov-17 A	01-May-18 A	Final Approval's (BCC, Mayor, Risk Mgmt.) - SD Gravity Sludge Thickeners
SD44990 Receipt of Revised Scope of Services, Submit SD45000 Submit approved Review Item to SBD, Receipt SD45010 Project Advertisement (after signed RTA) - SD SD45040 Select and Approve Competitive Selection Co	-	60	11-May-18 A	30-May-18 A 23-Jul-18 A	◆ Bid Cancellation - SD Gravity Sludge Thickeners
SD45000 Submit approved Review Item to SBD, Receipt SD45010 Project Advertisement (after signed RTA) - SD SD45040 Select and Approve Competitive Selection Co	are 5D Gravity Studge Trickeners enices, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	s 20	09-Aug-18 A	29-Aug-18 A	TA Re-Negotiation and Approval - SD Gravity Sludge Thickeners
SD45010 Project Advertisement (after signed RTA) - SD SD45040 Select and Approve Competitive Selection Co	to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	30		08-Nov-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments
SD45040 Select and Approve Competitive Selection Co	·	0		08-Nov-18 A	Submit approved Review Item to SBD, Receipt of \$BD Worksheet, Request to Advertise; approval from WASD and OMB  ◆ Project Advertisement (after signed RTA) - SD Gravity Sludge Thickeners
	e Selection Committee (CSC) - SD Gravity Sludge Thickeners	40	19-Sep-18 A	04-Jan-19 A	Select and Applio ve Competitive Selection Committee (CSC) - SD Gravity Studge Thickeners
Step 1 - Submittal Due Date - SD Glavity Stut	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 - S	on/Meeting - SD Gravity Sludge Thickeners	30	12-Jan-19 A	06-Mar-19 A	Step 1 - Qualifications Evaluation/Meeting - SD Gravity Sludge Thickeners
SD45360 Issue DCP and Request for Proposals - SD G	· · · · · · · · · · · · · · · · · · ·	15	12-Mar-19 A	19-Mar-19 A	l ssue DCP and Request for Proposals - SD Gravity Sludge Thickeners
SD45060 Step 2 Submittal Due Date - SD Gravity Sludg	· · · ·	54		10-May-19 A	Step 2 Submittal Due Date - SD Gravity Sludge Thickeners
SD45080 Step 2 Meeting - SD Gravity Sludge Thickene	•	30		12-Jun-19 A	Step 2 Meeting - SD Gravity Sludge Thickeners
SD45070 Step 2 Proposal Review and Evaluation - SD			11-May-19 A	12-Jun-19 A	Step 2 Proposal Review and Evaluation - \$D Gravity Studge Thickeners
	o the County Mayor/County Mayor's designee - SD Gravity Sludge Thickeners		13-Jun-19 A	11-Aug-19	Negotiation Memo submitted to the County Mayor/County Mayor's designee - SD Gravity Sludge Thickeners
·	nt - SD Gravity Studge Thickeners - SD Gravity Sludge Thickeners om the County Mayor/County Mayor's designee (WASD Director) - SD Gravity Sludge Thicke	9 40	19-Aug-19* 12-Aug-19	20-Sep-19	◆ EPA Start Date for Procurement - SD Gravity Studge Thickeners - SD Gravity Studge Thickeners
·	om the county Mayor/County Mayor's designee (WASD Director) - 3D Gravity Sludge Thicke stract provided to Firm (1st meeting) - SD Gravity Sludge Thickeners	60	21-Sep-19	20-Sep-19 19-Nov-19	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director) - SD Gravity Sludge
lll · · · · · · · · · · · · · · · ·	neeting) and preparation of final Contract - SD Gravity Sludge Thickeners	60	20-Nov-19	18-Jan-20	Negotiations Commence: - Contract provided to Firm (1st meeting) - \$D Gravity Sludge Thickeners  Negotiations Concluded (2nd meeting) and preparation of final Contract - SD Gravity Sludge Thickeners

	Schedule - June 2019 Update				Baseline (By Phase)	13-Jul-19 15:03 - Page No. 7 of 76
Activity ID Ac	tivity Name	Original Duration	Start	Finish	2016 2017 2018 O1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3	2019   2020   2021   2022   2023   2024     Q4   Q1   Q2   Q3   Q4   Q1   Q3   Q3   Q4   Q1   Q3   Q4   Q1   Q3   Q3   Q4   Q1   Q3   Q3   Q4   Q1   Q3   Q4   Q1   Q3   Q4   Q1   Q3   Q3   Q4   Q3   Q3   Q4   Q1   Q3   Q3   Q3   Q4   Q1   Q3   Q3   Q4   Q1
SD45130 Co	ontract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Gravity Sludge Thicke	60	19-Jan-20	18-Mar-20		Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD G
SD45140 Su	ubmit Contract Award Recommendation/Contract for internal approvals -SD Gravity Sludge Thickeners	40	19-Mar-20	27-Apr-20		Submit Contract Award Recommendation/Contract for internal approvals - SD Gravity Sludge Thicker
	ubmit Item to Agenda Coordinator for committee & BCC Ratification - SD Gravity Sludge Thickeners	90	28-Apr-20	26-Jul-20		Submit Item to Agenda Coordinator for committee & BCC Ratification - SD Gravity Studge Thic
	ocurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners		29-Mar-16 A	16-Aug-20		Procurement - SD Gravity, Sludge Thickeners - SD Gravity Sludge Thickeners
	epackage and Rebid Project - SD Gravity Sludge Thickeners sue NTP - SD Gravity Sludge Thickeners	739	09-Aug-18 A 27-Jul-20	16-Aug-20 16-Aug-20	<mark>-</mark>	Repackage and Rebid Project - SD Gravity Sludge Thickeners
	PA Compliance Date for Procurement - SD Gravity Sludge Thickeners	0	27-501-20	17-Aug-20*	1	ssue NTP - SD Gravity Sludge Thickeners
Design-Build		879	17-Aug-20	12-Jan-23	<del> </del>	. ◆ EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners 12-Jan-28, Design-Build
	esign-Builder NTP - SD Gravity Sludge Thickeners	0	17-Aug-20			◆ Design-Builder NTP - SD Gravity Sludge Thickeners
SD43150 EP	PA Start Date for Construction - SD Gravity Sludge Thickeners	0	18-Aug-20*			
SD31090 Fin	nal Engineering by Design-Builder - SD Gravity Sludge Thickeners	300	17-Aug-20	12-Jun-21		Final Engineering by Design-Builder SD Gravity Sludge Thickenets
SD31100 AF	-U Permit Review - SD Gravity Sludge Thickeners	180	13-Feb-21	11-Aug-21		AHJ Permit Review - SD Gravity Sludge Thickeners
	esign-Builder Contract Duration - SD Gravity Sludge Thickeners	819	17-Aug-20	13-Nov-22		Design-Builder Contract Duration
	onstruction - SD Gravity Sludge Thickeners	639	13-Feb-21	13-Nov-22		Construction - SD Gravity Sludge
	ommissioning - SD Gravity Sludge Thickeners	30	15-Oct-22	13-Nov-22		☐ Commissioning - SD Gravity Sludge T
	ubstantial Completion (CD Compliance Date 1/06/23) - SD Gravity Sludge Thickeners  PA Compliance Date for Construction - SD Gravity Sludge Thickeners	0		13-Nov-22* 06-Jan-23*		◆ Substantial Completion (CD Complian
	oject Closeout - SD Gravity Sludge Thickeners	60	14-Nov-22	12-Jan-23*	1	▶ EPA Compliance Date for Constru
Project Administration	ojok olosout - ob olawy oladyc miotericis	2380	03-Jul-14 A	12-Jan-23		Project Closeout - SD Gravity Slur 12-Jan-23, Project Administration
	ASD Project Administration - SD Gravity Sludge Thickeners	2380	03-Jul-14 A	12-Jan-23		
1.07 Digesters and Contr		3432		21-Nov-23		WASD Project Administration - S ▼ 21-Nov23,
Pre-Design		604	18-Feb-15 A	14-Oct-16 A	▼ 14-Oct-16 A, Pre-Design	
	egotiate Scope and Cost with MWH - SD Digesters & Control Building	84	31-Mar-15 A	22-Jun-15 A	scope and Cost with MWH - SD Digesters & Control Building	
SD42900 Ne	egotiate 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		7 & 8 -SD Sub-Stations 7 & 8 (Non-Consert Decree)
Engineering Design		1039	30-Jun-14 A	04-May-17 A	▼ 04-May-17 A, Engineering Desi	7 & 8 -: SD. Sub-Stations 7 & 8. (Non-Consent Decree)
	PA Start Date for Engineering Design - SD Digesters & Control Building	0	03-Jul-14 A		sign - SD Digesters & Control Building	
	asis of Design Report (BODR) - SD Digesters & Control Building	313		08-May-15 A	n Report (BODR) - SD Digesters & Control Building	
	eview/Revise BODR - SD Effluent Pump Station Building Improvements	45	•	22-Jun-15 A	ise BODR - SD Effluent Pump Station Building Improvements	
	1% Design Submittal - SD Digesters & Control Building	127	23-Jun-15 A	27-Oct-15 A	% Design Submittal - SD Digesters & Control Building	
	% Design Review - SD Digesters & Control Building % Design Submittal - SD Digesters & Control Building	24 110	28-Oct-15 A 21-Nov-15 A	20-Nov-15 A 09-Mar-16 A	0% Design Review - SD Digesters & Control Building	
	0% Design Review -SD Digesters & Control Building	13	10-Mar-16 A	22-Mar-16 A	60% Design Submittal - SD Digesters & Control Building	
	00% Design Submittal - SD Digesters & Control Building	86	23-Mar-16 A	16-Jun-16 A	60% Design Review -SD Digesters & Control Building	
	ngineering Design - SD Digesters & Control Building	795	30-Jun-14 A	01-Sep-16 A	100% Design Submittal - SD Digesters & Control Build Engineering Design - \$D Digesters & Control E	
SD40160 10	00% Design Review/Permit Ready Submittal - SD Digesters & Control Building	77	17-Jun-16 A	01-Sep-16 A	100% Design Review/Permit Ready Submittal - 9	
SD42180 EP	PA Compliance Date for Engineering Design - SD Digesters & Control Building	0		30-Sep-16 A	◆ EPA Compliance Date for Engineering Design	and the term of term of term of the term of the term o
SD41520 60	)% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	60	06-Dec-16 A	03-Feb-17 A	60% Design Submittal - SD Sub-Statio	
SD41800 60	0% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	7	04-Feb-17 A	10-Feb-17 A	■ 60% Design Review - SD Sub-Station	<mark>.</mark>
	00% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	49		31-Mar-17 A	100% Design Submittal - SD Sub-	Stations 7 & 8 (Non-Consent Decree)
	00% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	10	· ·	10-Apr-17 A		ations;7 & 8 (Non-Consent Decree)
	00% Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	24	· ·	04-May-17 A	1,00% Permit Ready Submittal -	SD Sub-Stations 7, & 8. (Non-Consent Decree).
Permitting SD43170 EP	PA Start Date for Permitting - SD Digesters & Control Building	1069		30-Jun-17 A	1	
	DEP Permit - SD Digesters & Control Building	299	26-Oct-15 A	19-Aug-16 A	Diaesters & Control Building	
	ermitting - SD Digesters & Control Building	569		16-May-17 A	FDEP Permit - SD Digesters & Control Building Permitting - SD Digesters &	Control Building
	ER DERM Permit - SD Digesters & Control Building	259		16-May-17 A	RER DERM Permit - SD Digest	
SD41880 ME	DC Building Department Permit - SD Digesters & Control Building	259	31-Aug-16 A	16-May-17 A	1 : : : : : : : : : : :	hit - SD Digesters & Control Building
SD42870 RE	ER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)	12	05-May-17 A	16-May-17 A		tions 7 & 8 (Non-Consent Decree)
	DC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree)	12	05-May-17 A	16-May-17 A	1 1 1 1 1 1 1 1 1 1 1	nit - SD Substations 7 & 8 (Non-Consent Decree)
	PA Compliance Date for Permitting - SD Digesters & Control Building	0		30-Jun-17 A		emitting - SD Digesters & Control Building 05-Nov-19, Procurement
Procurement	20 Obed Data for December 2 OD Directors 2 O. o. 12 N	834		05-Nov-19		Up-Nov-19, Pripoulement
	PA Start Date for Procurement - SD Digesters & Control Building**  MOUSE ubmittal and approach - SD Digesters & Control Building	0		16 Con 47 A		urement - SD Digesters & Control Building**
	MOU submittal and approval - SD Digesters & Control Building ternal Bid Package Review - SD Digesters & Control Building	23 62	25-Aug-17 A 29-Aug-17 A	16-Sep-17 A 18-Oct-17 A	1 1 1 1 1 1 1 1 1 1 1	pproval - SD Digesters & Control Building
	esign Documents Sent to Procurement - SD Digesters & Control Building	02	19-Oct-17 A	10-00-17 A		Review - SD Digesters & Control Building
	ubmit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building	60	19-Oct-17 A	11-Jan-18 A		Sent to Procurement - SD Digesters & Control Building
	dvertise Bid Package - SD Digesters & Control Building	0				e SBD Goals and Request to Advertise - SD Digesters & Control Building Package - SD Digesters & Control Building
	d Solicitation Period - SD Digesters & Control Building	60		19-Mar-18 A	1	tion Period - SD Digesters & Control Building
SD30360 Bio	ds Due - SD Digesters & Control Building	0	20-Mar-18 A			SD Digesters & Control Building
SD42200 EP	PA Compliance Date for Procurement - SD Digesters & Control Building**	0		30-Apr-18 A	1 : : : : : : : : : : :	Inpliance Date for Procurement - SD Digesters & Control Building**
	d Review Period - SD Digesters & Control Building	30	20-Mar-18 A	18-May-18 A		view Period - SD Digesters & Control Building
	ward Recommendation - SD Digesters & Control Building	0		18-May-18 A		Recommendation SD Digesters & Control Building
	rocurement - SD Digesters & Control Building	270		08-Aug-18 A	<del></del> -	Procurement - SD Digesters & Control Building
	nal Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building	75	•	08-Aug-18 A	-	nal Approvals (BCC, Mayor, Risk Marht.) - SD Digesters & Control Building
	re-Purchase Bid Package (RTU) - SD Digesters & Control Building	60		07-Feb-19 A		Pre-Putchase Bid Package (RTU) - SD Digesters & Control Building
	equisition for Pre-Purchase Package (RTU) - SD Digesters & Control Building endor NTP (RTU) - SD Digesters & Control Building	30 62		08-Mar-19 A 09-May-19 A	1	Requisition for Pre-Purchase Package (RTU) - SD Digesters & Control Building
	re-Purchase RTU - SD Digesters & Control Building		09-Mai-19 A 09-Aug-18 A	09-May-19 A 05-Nov-19		Vendor,NTP (RTU) -SD Digesters & Control Building
	abricate & Deliver RTU - SD Digesters & Control Building		10-May-19 A	05-Nov-19	<u> </u>	Pre-Purchase RTU - SD Digesters & Control Building
Construction			01-May-18 A	21-Nov-23		Fabricate & Deliver RTU - SD Digesters & Control Building
	PA Start Date for Construction - SD Digesters & Control Building**		01-May-18 A		▲ EDA C+	art Date for Construction - SD Digesters & Control Building**
SD30400 Co	ontractor Notice to Proceed (NTP) - SD Digesters & Control Building	0	08-Aug-18 A		1 : : : : : : : : : :	ontractor Notice to Proceed (NTP) - SD Digesters & Control Building
SD45350 Su	ubstantial Completion (Acid Phase) - SD Digesters & Control Building	0		27-May-21*	7	Substantial Completion (Acid Phase) - SD Digesters & Control Building     Substantial Completion (Acid Phase) - SD Digesters & Control Building

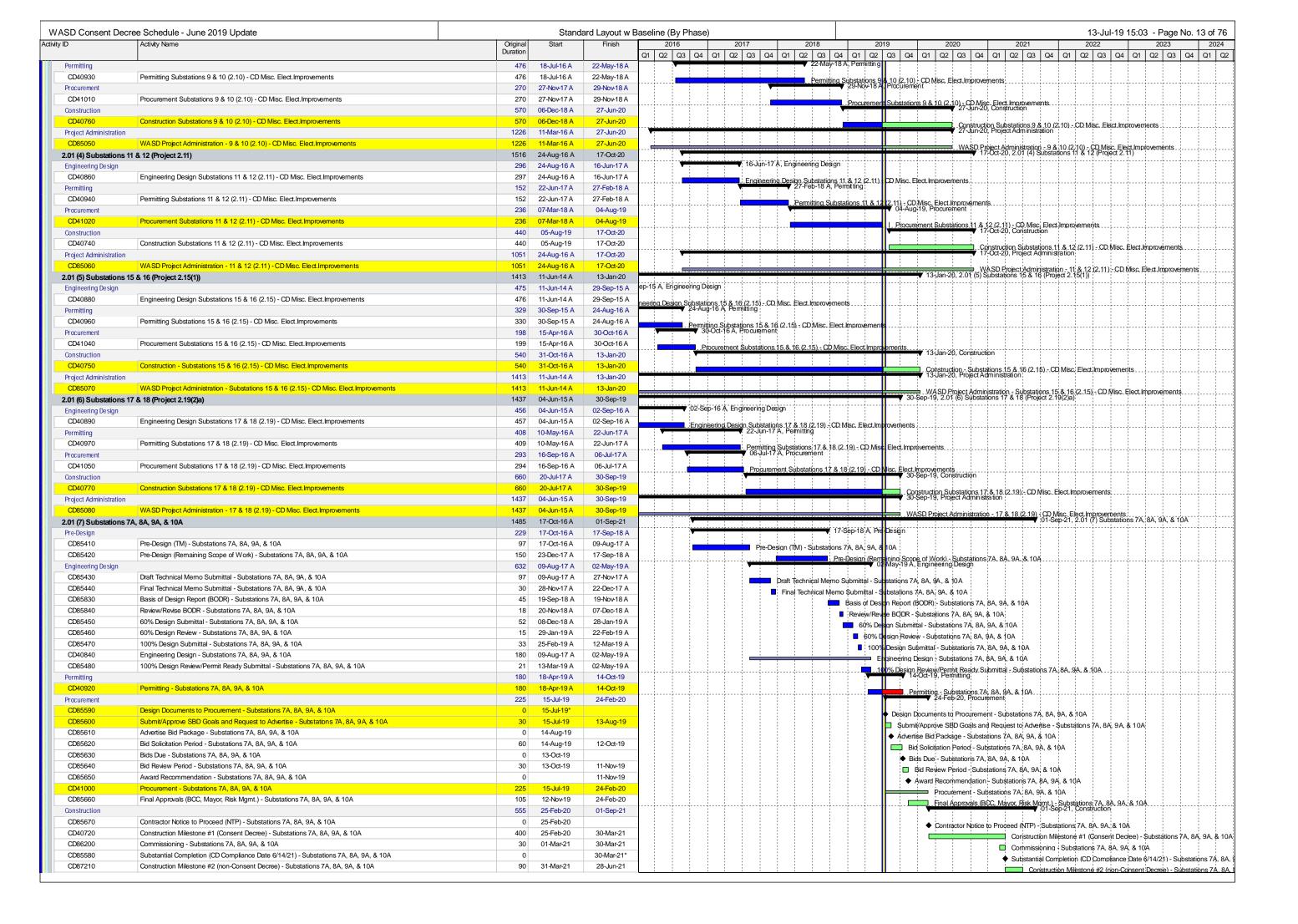
	ee Schedule - June 2019 Update				Baseline (By Phase)	13-Jul-19 15:03 - Page No. 8 of 76
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 01 02 03 04 01 02 03 04 01 02 03	2019 2020 2021 2022 2023 2024 3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
SD10140	Construction - SD Digesters & Control Building	1200	08-Aug-18 A	20-Nov-21	Q1 Q2 Q0 Q7 Q1 Q2 Q0 Q7 Q1 Q2 Q	Construction
SD44820	Commissioning - SD Digesters & Control Building	30	22-Oct-21	20-Nov-21		Commissioning - SD Digesters & Control Building
SD10560	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building	0		20-Nov-21*		◆ Substantial Complétion (CD Compliance Date 11/21/23) - SD
SD40060	Project Closeout - SD Digesters & Control Building	180	21-Nov-21	19-May-22*		Project Closeout - SD Digesters & Control Building
SD42210	EPA Compliance Date for Construction - SD Digesters & Control Building	0	20. hm 11.0	21-Nov-23*		19-May-22, Project Administration   ◆. EPA Complia
Project Administration SD35080	WASD Project Administration - SD Digesters & Control Building	2778 2778	30-Jun-14 A 30-Jun-14 A	19-May-22 19-May-22		
1.08 Dewatering Faci		3118		12-Jan-23		. WASD Project Administration - SD Digesters & Co
Pre-Design	y	71		28-Feb-15 A	pesign	
SD11222	Pre-Design - SD Dewatering Facilities	72	19-Dec-14 A	28-Feb-15 A	watering Facilities	
Engineering Design		876	01-Jul-14 A	23-Nov-16 A	23-Nov-16 A, Engineering Design	
SD43200	EPA Start Date for Engineering Design - SD Dewatering Facilities**	0	01-Jul-14 A		ign -SD Dewatering Facilities**	
SD42220	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**	0		13-Apr-15 A	Date for Engineering Design - SD Dewatering Facilities**	
SD20000	Basis of Design Report (BODR) - SD Dewatering Facilities	234	13-Apr-15 A	02-Dec-15 A	Basis of Design Report (BODR) - SD Dewatering Facilities	
SD10030	Engineering Design (DCP) - SD Dewatering Facilities	467	13-Apr-15 A	29-Mar-16 A	Engineering Design (DCP) - SD Dewatering Facilities	
SD41100 SD20020	Issue Final RDBS - SD Dewatering Facilities  Design Criteria Package Initial Submittal - SD Dewatering Facilities	146	03-Dec-15 A	29-Mar-16 A 26-Apr-16 A	♦ Issue Final RDB\$ - SD Dewatering Facilities	
SD20020 SD20800	Pilot Testing of Thickening Process - SD Dewatering Facilities	253	21-Aug-15 A	29-Apr-16 A	Design Criteria Package Initial Submittal - SD Dewaterin	
SD20030	DCP Design Review - SD Dewatering Facilities	25		19-May-16 A	Pilot Testing of Thickening Process - SD Dewatering Fa	ncilities
SD20040	Final DCP Submittal - SD Dewatering Facilities	188	20-May-16 A	23-Nov-16 A	DCP Design Review - SD Dewatering Facilities	
Permitting		167	29-Jan-16 A	14-Jul-16 A	Final DCP Submittal - SD Dewatering Factor 14 Jul-16 A, Permitting	иџусо
SD20070	FDEP Permit - SD Dewatering Facilities	168	29-Jan-16 A	14-Jul-16 A	FDEP Permit - SD Dewatering Facilities	
Procurement		1624	29-Mar-16 A	16-Aug-20	Feet Latine, We Remodelly Lavings.	16-Aug-20, Procurement
SD31600	RDBS Sent to Procurement - SD Dewatering Facilities	0			◆ RDBS Sent to Procurement -SD Dewatering Facilities	
SD43220	EPA Start Date for Procurement - SD Dewatering Facilities	0	- ' ' '		◆ EPA Start Date for Procurement - SD Dewatering Facilitie	es es
SD31610	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities	113		19-Jul-16 A	Submit/Approve SBD Goals and Request to Adve	ortise - SD Dewatering Facilities
SD31620	Advertise RDBS - SD Dewatering Facilities	0		10.0 10.1	◆ Advertise RDBS - SD Dewatering Facilities	
SD31630	Request for Qualifications - SD Dewatering Facilities	59		16-Sep-16 A	Request for Qualifications - SD Dewatering Fa	acilities
SD31640 SD31650	Qualifications Package Due - SD Dewatering Facilities  Qualification Review Period - SD Dewatering Facilities	91	17-Sep-16 A 17-Sep-16 A	16-Dec-16 A	◆ Qualifications Package Due - SD Dewatering	
SD31660	Shortlist Published - SD Dewatering Facilities	0	17-Sep-10 A	16-Dec-16 A	Qualification Review Period - SD Dewat	of the interpretation is a second to the interpretation of the int
SD31670	Request for Proposals - SD Dewatering Facilities	101	24-Jan-17 A	04-May-17 A	◆ Shortlist Published - SD Dewatering Fac	
SD31680	Proposals Due - SD Dewatering Facilities	0			Request for Proposals - SD De	T
SD31690	Proposal Review Period & Oral Presentations - SD Dewatering Facilities	112	05-May-17 A	24-Aug-17 A	Proposals Due - SD Dewaterin	ng Facilities  Ind & Orali Presentations - SD Dewatering Facilities
SD31700	Award Recommendation - SD Dewatering Facilities	0	25-Aug-17 A			ion - SD Dewatering Facilities
SD31710	Contract Negotiations - SD Dewatering Facilities	53	25-Aug-17 A	17-Nov-17 A	1	tions - SD Dewatering Facilities
SD42240	EPA Compliance Date for Procurement - SD Dewatering Facilities	0		09-Jan-18 A		ince Date for Procurement - SD Dewateling Facilities
SD31720	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities	79	18-Nov-17 A	01-May-18 A	1	Approval's (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities
SD44740	Bid Cancellation - SD Dewatering Facilities	0		30-May-18 A	♦ Bid	Cancellation - SD Devatering Facilities
SD44760	TA Re-Negotiation and Approval - SD Dewatering Facilities	60		23-Jul-18 A		TA Re-Negotiation and Approval - 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		Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments
SD45180 SD45190	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB  Project Advertisement (after signed RTA) - SD Dewatering Facilities	40	19-Sep-18 A	08-Nov-18 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
SD45200	Step 1 - Submittal Due Date - SD Dewatering Facilities	40	•	11-Jan-19 A		Select and Applove Competitive Selection Committee (CSC) - SD Dewatering Facilities
SD45210	Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities	30	12-Jan-19 A	06-Mar-19 A		Step 1 - Submittal Due Date - SD Dewatering Facilities
SD45370	Issue DCP and Request for Proposals - SD Dewatering Facilities	15	12-Mar-19 A	19-Mar-19 A		Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities    Issue DCP and Request for Proposals - SD Dewatering Facilities
SD45240	Step 2 Submittal Due Date - SD Dewatering Facilities	54	18-Mar-19 A	10-May-19 A	1	Step 2 Submittal Due Date - SD Dewatering Facilities
SD45260	Step 2 Meeting - SD Dewatering Facilities	30	10-May-19 A	12-Jun-19 A		Step 2 Meeting - SD Dewatering Facilities
SD45250	Step 2 Proposal Review and Evaluation - SD Dewatering Facilities	76	11-May-19 A	12-Jun-19 A		Step 2 Proposal Review and Evaluation - SD Dewatering Facilities
SD45270	Negotiation Memo submitted to the County Mayor/County Mayor's designee - SD Dewatering Facilities		13-Jun-19 A	11-Aug-19		Negotiation Memo submitted to the County Mayor/County Mayor's designee - SD Dewatering Facilities
SD45280	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director) - SD Dewatering Facilities	40		20-Sep-19		Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director) - SD Dewateting Fa
SD45290	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Dewatering Facilities	60	<u> </u>	19-Nov-19		Negotiations Commence - Contract provided to Firm (1st meeting) - \$D Dewatering Facilities
SD45320	Negotiations Concluded (2nd meeting) and preparation of final Contract - SD Dewatering Facilities  Contract Executed by Firm and obtain County Attornov, Pick Management and OMB signatures - SD Dewatering Facilities	60	20-Nov-19	18-Jan-20 18-Mar-20		Negotiations Conduded (2nd meeting) and preparation of final Contract - SD Dewatering Facilities
SD45330 SD45340	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities  Submit Contract Award Recommendation/Contract for internal approvals - SD Dewatering Facilities	60 40	19-Jan-20 19-Mar-20	18-Mar-20 27-Apr-20		Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD D
SD45300	Submit Item to Agenda Coordinator for committee & BCC Ratification - SD Dewatering Facilities	90	28-Apr-20	27-Api-20 26-Jul-20		Submit Contract Award Recommendation/Contract for internal approvals - SD Deviatering Facilities
SD10110	Procurement - SD Dewatering Facilities	679	<u> </u>	16-Aug-20		Submit Item to Agenda Coordinator for committee & BCC Ratification - SD Dewatering Facilities  Procurement - SD Dewatering Facilities
SD44720	Repackage and Rebid Project - SD Dewatering Facilities	739		16-Aug-20		
SD45310	Issue NTP - SD Dewatering Facilities	21	27-Jul-20	16-Aug-20		Repackage and Rebid Project - SD Dewatering Facilities  Lissue NTP - SD Dewatering Facilities
Design-Build		1808	10-Jan-18 A	12-Jan-23	<u> </u>	■ Issue INTP - SD Dewatering Facilities ▼ 12-Jan-23, Design-Build
SD43230	EPA Start Date for Construction - SD Dewatering Facilities	0	10-Jan-18 A		◆ EPA Start Da	tte/for Construction - SD Delwatering Facilities
SD31730	Design-Builder NTP - SD Dewatering Facilities	0	17-Aug-20			◆ Design-Builder NTP - SD Dewatering Facilities
SD20010	Final Engineering by Design-Builder - SD Dewatering Facilities	300	17-Aug-20	12-Jun-21		Final Engineering by Design-Builder - SD Dewatering Facilities
SD20080	AHJ Permit Review - SD Dewatering Facilities	180	13-Feb-21	11-Aug-21		AHJ Permit Review - SD Dewatering Facilities
SD43870	Design-Builder Contract Duration - SD Dewatering Facilities	819	17-Aug-20	13-Nov-22		Design-Builder Contract Duration
SD10210	Construction - SD Dewatering Facilities	639	13-Feb-21	13-Nov-22		Construction - SD Dewatering Fac
SD44830	Commissioning - SD Dewatering Facilities  Substantial Completion (CD Completions Data 4/6/22) SD Dewatering Facilities	30	15-Oct-22	13-Nov-22		☐ Çommissioning - SĎ Dewatering Facil
SD10450 SD42250	Substantial Completion (CD Compliance Date 1/6/23) - SD Dewatering Facilities  EPA Compliance Date for Construction - SD Dewatering Facilities	0		13-Nov-22* 06-Jan-23*		◆ Substantial Completion (CD Complian
SD42250 SD40070	EPA Compliance Date for Construction - SD Dewatering Facilities  Project Closeout - SD Dewatering Facilities	60	14-Nov-22	12-Jan-23*		◆ EPA Compliance Date for Constru
	. 10jos. 0.0000t. OD Domatoning i dullitos	00	17-11UVZZ	12-Jai1-23		Project Cosequit - SD Dewatering
Project Administration		2096	13-Apr-15 A	12-Jan-23		Project Closeout - SD Dewatering 12-Jan-23, Project Administration

	ree Schedule - June 2019 Update	Original	Stand	ard Layout w E	aseline (By Phase) 13-Jul-19 15:03 - Page No. 9 of 76 2016 2017 2018 2019 2020 2021 2022 2023 2024
ty ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024 Q1 Q2 Q3 Q4 Q1 Q2
1.09 FOG Removal F	Facility	1861	08-Jul-14 A	08-Aug-19	4   4   4   4   4   4   4   4   4   4
Engineering Design	radinky	588	08-Jul-14 A	16-Feb-16 A	▼ 16-Feb-16 A/ Engineering Design
SD43240	EPA Start Date for Engineering Design - SD FOG Removal Facility	0	08-Jul-14 A	10100107	
SD20560	Technical Evaluation of Alternatives - SD FOG Removal Facility	252	08-Jul-14 A	16-Mar-15 A	sign -SD FQG Removal Facility
SD20570	Negotiate Scope and Cost with MWH - SD FOG Removal Facility	136	19-Dec-14 A	03-May-15 A	on of Alternatives - SD FOG Removal Facility
SD20580	Basis of Design Report (BODR) Submittal - SD FOG Removal Facility	79		21-Jul-15 A	pe and Cost with MWH+SD FOG Removal Facility
SD20590	BODR Design Review - SD FOG Removal Facility	38		28-Aug-15 A	Design Report (BODR) Submittal - SD FOG Removal Facility
	60% Design Submittal - SD FOG Removal Facility	37		07-Oct-15 A	Design Review - SD FOG Removal Facility:
SD20600			01-Sep-15 A		Design Submittal - SD FOG Removal Facility
SD20610	60% Design Review -SD FOG Removal Facility	15		22-Oct-15 A	% Deşign Review SD FQG Removal Facility
SD20620	100% Design Submittal - SD FOG Removal Facility	62		23-Dec-15 A	100% Design Submittal - SD FOG Removal Facility
SD10000	Engineering Design - SD FOG Removal Facility	563	08-Jul-14 A	21-Jan-16 A	Engineering Design - SD FOG Removal Facility
SD40170	100% Design Review/Permit Ready Submittal - SD FOG Removal Facility	29	24-Dec-15 A	21-Jan-16 A	1 000% Design Review/Permit Ready Submittal - SD FOG Removal Facility
SD42260	EPA Compliance Date for Engineering Design - SD FOG Removal Facility	0		16-Feb-16 A	.♦. EPA Compliance Date for Engineering Design - SD FOG Removal Facility.  ✓ 28-Oct-16 A, Permitting
Permitting		353	10-Nov-15 A	28-Oct-16 A	▼ 20-Cu-16A, Permitting
SD43250	EPA Start Date for Permitting - SD FOG Removal Facility	0	17-Feb-16 A		◆ EPA Start Date for Permitting - SD FQG Removal Facility
SD41770	FDEP Permit - SD FOG Removal Facility	241	10-Nov-15 A	07-Jul-16 A	FDEP Permit - SD FOG Removal Facility
SD10020	Permitting - SD FOG Removal Facility	310	10-Nov-15 A	14-Sep-16 A	Pérmitting - SD FOG Removal Fácility
SD41760	RER Bldg Dept. Permit - SD FOG Removal Facility	225	03-Feb-16 A	14-Sep-16 A	RER Bldg Dept. Permit - SD FOG Removal Facility
SD42270	EPA Compliance Date for Permitting - SD FOG Removal Facility	0		28-Oct-16 A	i i i i i i i i i i i i i i i i   <mark> </mark> i i i i i i i i i i i i i i i i i i i
Procurement		788	03-May-15 A	29-Jun-17 A	◆ EPA Compliance Date for Permitting SD FOG Removal Facility.  29-Jun-17/A, Procurement
SD43260	EPA Start Date for Procurement - SD FOG Removal Facility	0	03-May-15 A		for Procurement - SD FOG Removal Facility
SD30230	Design Documents Sent to Procurement - SD FOG Removal Facility	0	•		l ; ; ; ; ; ; ; ; ; ; ; ; ; ; l l l l l
SD30240	Submit/Approve SBD Goals - SD FOG Removal Facility	62		05-Oct-16 A	◆ Design Documents Sent to Procurement - SD FOG Removal Facility  Submit/Approx SRD Cook, SD FOC Removal Facility
SD42910	OCI Reviews and Provides List - SD FOG Removal Facility	7		12-Oct-16 A	Submit/Approve SBD Goals - SD FOG Removal Facility
SD30250	Advertise Bid Package - SD FOG Removal Facility	0		22.107.	OCI Reviews and Provides List - SD FOG Removal Facility     Advantage Bid Parkers - SB FOG Removal Facility     Advantage Bid Parkers - SB FOG Removal Facility
SD30260	Bid Solicitation Period - SD FOG Removal Facility	50		01-Dec-16 A	♦ Advertise Bid Package - SDFOG Removal Facility
SD30270	Bids Due - SD FOG Removal Facility	0		0.200.074	Bid Solicitation Period - SD FOG Removal Facility
SD30280	Bid Review Period - SD FOG Removal Facility	44		14-Jan-17 A	◆ Bids Due - SD FOG Removal Facility
SD43470	·	32	15-Jan-17 A	15-Feb-17 A	Bid Review Perjod - SD FOG Removal Facility
SD43480	OCI Reviews and Provides List (for Rebid) - SD FOG Removal Facility			15-Feb-17 A	■ QCI Réviews and Provides List (for Rebid) - \$D FOG Removal Facility
	Advertise Bid Package (for Rebid) - SD FOG Removal Facility	0		00.14 47.4	◆ Advertise Bid; Package (for Rebid) - SD FOG Removal Fa <mark>c</mark> ility
SD43490	Bid Solicitation Period (for Rebid) - SD FOG Removal Facility	41		28-Mar-17 A	■ Bid Solicitation Period (for Rebid) - SD FQG Removal Facility
SD43500	Bids Due (for Rebid) - SD FOG Removal Facility	0	29-Mar-17 A		♦ Bids Due (for Rebid) - SD FOG Removal Facility
SD43510	Bid Review Period (for Rebid) - SD FOG Removal Facility	38	29-Mar-17 A	05-May-17 A	🖿 Bid Review Period (for Rebid) - SD FO\$ Removal Facility
SD30290	Award Recommendation - SD FOG Removal Facility	0		05-May-17 A	◆ Alward Recommendation - SD FOG Removal Facility
SD42280	EPA Compliance Date for Procurement - SD FOG Removal Facility**	0		15-May-17 A	♦ EPA Compliance Date for Procurement - SD FOG Removal Facility**
SD10070	Procurement - SD FOG Removal Facility	329	05-Aug-16 A	29-Jun-17 A	Produrement - SiD FOG Removal Facility
SD30300	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD FOG Removal Facility	55	06-May-17 A	29-Jun-17 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD FOG Removal Facility  OB-Aug-19, Construction
Construction		773	30-Jun-17 A	08-Aug-19	▼ 08-Aug:19, Construction
SD10123	Contractor Notice to Proceed (NTP) - SD FOG Removal Facility	0	30-Jun-17 A		◆ Contractor Notice to Proceed (NTP) - SD FOG Removal Facility
SD43270	EPA Start Date for Construction - SD FOG Removal Facility	0	31-Jul-17 A		♦ EPA Start Date for Construction - SD FOG Removal Facility
SD10130	Construction - SD FOG Removal Facility	329	30-Jun-17 A	26-Mar-19 A	onstruction - SD FOG Removel Facility
SD44880	Commissioning (Part 1) - SD FOG Removal Facility	44	13-Feb-19 A	26-Mar-19 A	Commissioning (Part 1) - SD FOG Removal Facility
SD44840	Commissioning (Part 2) - SD FOG Removal Facility	30	27-Feb-19 A	26-Mar-19 A	Commissioning (Part 2) - SD FOG Removal Facility
SD10270	Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility	0		26-Mar-19 A	◆ Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Remokal Facility
SD42290	EPA Compliance Date for Construction - SD FOG Removal Facility	0		24-May-19 A	
SD40080	Project Closeout - SD FOG Removal Facility	105	27-Mar-19 A	08-Aug-19*	<u> </u>
Project Administration		1507	08-Jul-14 A	08-Aug-19	Project Closeout - SD FOG Removal Facility.  ▼ 08-Aug-19, Project Administration
SD35100	WASD Project Administration - SD FOG Removal Facility	1507	08-Jul-14 A	08-Aug-19	
1.10 Odor Control		1900		25-Apr-23	WASD Project Administration - SD FOG Removal Facility. ▼ 25-Apr-23, 1.10 Odor
Pre-Design		381	25-Jan-18 A	31-Jan-19 A	▼ 31-Jan-19A, Pre-Design
SD11182	Pre-Design (BODR) - SD Odor Control	180	25-Jan-18 A 25-Jan-18 A	14-Sep-18 A	
SD11162 SD44770	• , ,			· ·	Pre-Design (BODR) - SD Odor Control
	Pre-Design (Remaining Scope of Work) - SD Odor Control	150		31-Jan-19 A	Pre-Design (Remaining Scope of Work) - SD/Odor Control  17-Feb-20, Engineering Design
Engineering De sign	EDA Stat Data for Engineering Daging CD Oder Control	506	· ·	17-Feb-20	
SD43280	EPA Start Date for Engineering Design - SD Odor Control	0	01-Dec-18 A	04.5	◆ EPA Start Date for Engineering Design - SD Odor Control
SD20630	Basis of Design Report (BODR) - SD Odor Control	96	· ·	21-Dec-18 A	Basis of Design Report (BODR) - SD Odor Control
SD20640	BODR Review Period & Final BODR - SD Odor Control	24		16-Jan-19 A	■ BODR Review Period & Final BODR - SD Odor Control
SD20650	30% Design Submittal - SD Odor Control	60		02-Apr-19 A	30% Design Submittal/- SD Odor Control
SD20660	30% Design Review - SD Odor Control	10	03-Apr-19 A	12-Apr-19 A	■ 30½ Design Review - SD Odor Control
SD42300	EPA Compliance Date for Engineering Design - SD Odor Control	0		27-Jun-19 A	◆ EPA Compliance Date for Engineering Design - SD Odor Control
SD20670	60% Design Submittal - SD Odor Control	90	13-Apr-19 A	11-Jul-19	60% Design Submittal - SD Odor Control
SD20680	60% Design Review -SD Odor Control	12	12-Jul-19	23-Jul-19	0 60% Design Review (SD Odor Control
SD20690	100% Design Submittal - SD Odor Control	58	24-Jul-19	19-Sep-19	100% Design Submittal - SD Odor Control
SD10360	Engineering Design - SD Odor Control	470	14-Sep-18 A	31-Oct-19	Engineering Design - SD Odor Control
SD40180	100% Design Review/Permit Ready Submittal - SD Odor Control	42	20-Sep-19	31-Oct-19	100% Design Review/Permit Ready Submittal - SD Odor Control
SD45390	100% Bid Ready Submittal - SD Odor Control	20	•	17-Feb-20	
Permitting		485		26-Jun-20	□ 100% Bid Ready Submitfal - SD Odor Control  26-Jun-20', Permitting
SD43290	EPA Start Date for Permitting - SD Odor Control	0		25 001720	
	FDEP Permit - SD Odor Control		20-Feb-19 A	28-Jul-19	EPA Start Date for Permitting - SD Odor Control
SD45430 SD10400					FDEP Permit - SD Oddr Control
SD10400	Permitting - SD Odor Control	180	01-Nov-19	28-Apr-20	Permitting:- SD Odor Control:
SD42310	EPA Compliance Date for Permitting - SD Odor Control	0	10 = 1	26-Jun-20*	◆ EPA Compliance Date for Permitting - SD Odor Control  26 Jun-21, Procurement
Procurement		495	18-Feb-20	26-Jun-21	Zo-Jun-21; Procurement
	Internal Bid Package Review - SD Odor Control	10	18-Feb-20	27-Feb-20	☐ Internal Bid Package Review - SD Odor Control
SD43460 SD30730	Design Documents Sent to Procurement - SD Odor Control	0	28-Feb-20		I The man but a datage resident of both and the second of





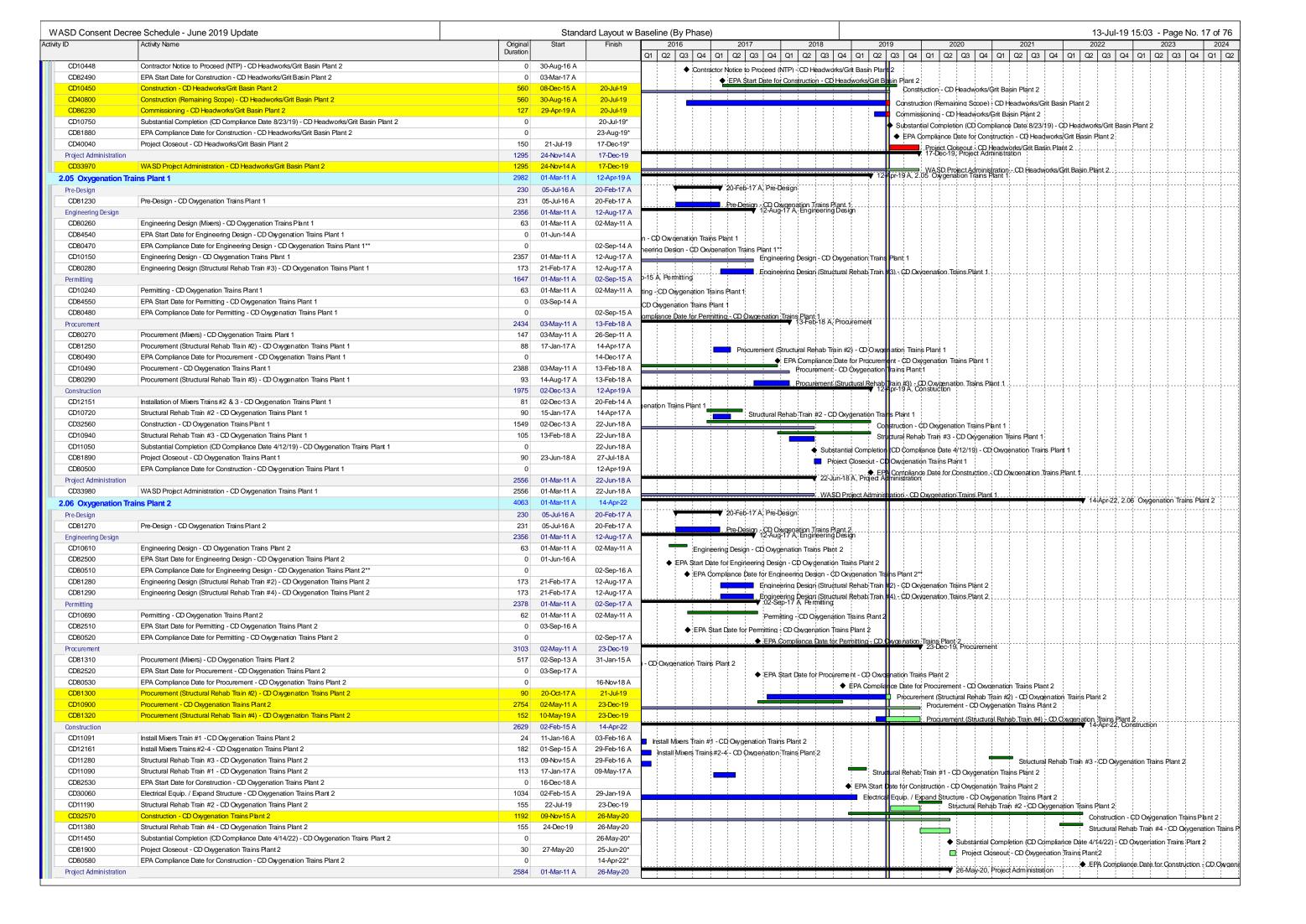
	ee Schedule - June 2019 Update	1 2			Baseline (By Phas	<u> </u>	-	110	-	10	0000		2024		19 15:03 - Pa	<u> </u>
ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4	2017 Q1 Q2 Q3 Q	4 Q1 Q2			019 Q3 Q4	2020 Q1 Q2 Q3	Q4 Q1	2021 Q2 Q3 Q4	2022 Q1 Q2 Q3	2023 Q4 Q1 Q2 (	
SD42720	Pre-Design - Structural Rehab	234	05-Jul-16 A	23-Feb-17 A				1 1			3. 3. 3.					
Engineering Design		144	24-Feb-17 A	18-Jul-17 A		Pre-Design - Sti	-17 A, Enginee	ring Design								
SD43750	Engineering Design Contact Chambers #1-4 - Structural Rehab	145		18-Jul-17 A	<b>_</b>	Engin	eering Design (	Contact Char	bers #1-4 -	Structural F	ehab	7 30-\$ep-20,	A			
Procurement		1206		30-Sep-20							ľ	30-Sep-20,	Procurement			
SD44060	Requisition Sent to Procurement - Sluice Gates	0	28-Jul-17 A	07 4 47 4	-	♦ Requ	isition Sent to I	rocurement	- Sluice Ga	<mark>e</mark> s						
SD44130	Request to Advertise - Stuice Gates	11	28-Jul-17 A	07-Aug-17 A	-	■ Req	uest to Advertis	e-Sluice Gat	es							
SD44070 SD44080	Advertise - Sluice Gates  Bid Solicitation Period - Sluice Gates	17	08-Aug-17 A 08-Aug-17 A	24-Aug-17 A	-		rtise - Sluice G	: : :								
SD44080 SD44090	Bids Due - Sluice Gates	0	25-Aug-17 A	24-Aug-17 A	$\dashv$ $\parallel$ $\parallel$	1 1 1 1	Solicitation Pe	1 1 1	ates							
SD44100	Bid Review Period - Sluice Gates		25-Aug-17 A	05-Sep-17 A	-	1 1 1 1	s Due - Sluice (	i i i								
SD44110	Award Recommendation - Sluice Gates	0		05-Sep-17 A	-	1 1 1 1	Review Period		- 1							
SD43830	Procurement - Sluice Gates (Summary)	60	28-Jul-17 A	25-Sep-17 A	1	the state of the s	/ard Recomme rocurement - S		1							
SD44120	Final Approval - Sluice Gates	27	06-Sep-17 A	02-Oct-17 A	1	1 1 1 1	inal Approval -		Summany)							
SD42810	Procurement Contact Chamber #1 - Structural Rehab	35	20-Oct-17 A	12-Dec-17 A		1 1 1 1	Procureme	1 1 1	namber #1	Structural F	ehab					
SD41620	Procurement Contact Chamber #4 - Structural Rehab	148	15-May-19 A	31-Oct-19			_			1	ocurement Contac	t Chamber #4	- Structural Reha	ab .		
SD42790	Procurement Contact Chamber #3 - Structural Rehab	148	15-May-19 A	31-Oct-19							ocurement Contac			1 1 1		
SD41610	Procurement - Chlorine Contact Chamber	1111		30-Sep-20				<u> </u>	<u> </u>	;		Procuremen	t - Chlorine Cont	act Chamber		
SD42800	Procurement Contact Chamber #2 - Structural Rehab	337	30-Oct-19*	30-Sep-20			<u>ij</u>	<u> </u>	<u>j</u>			Procuremen	t Contact Chamb	er #2 - Structural Re Construction	hab	
Construction		1333	03-Oct-17 A	27-Jun-21									∠/-Jun-21,	Construction		
SD42840	Construction Contact Chamber #1 - Structural Rehab	105	13-Dec-17 A	05-Jun-18 A	-			Construction	Contact Cl	<mark>la</mark> mber #1 -	Structural Rehab					
SD43850	Construction - Sluice Gates	232	03-Oct-17 A	29-Nov-18 A	-	<u> </u>	1 1	, i	Construction	- Sluice Ga	tes					
SD41650 SD42820	Construction Contact Chamber #4 - Structural Rehab  Construction Contact Chamber #3 - Structural Rehab	180 180	01-Nov-19 01-Nov-19	28-Apr-20 28-Apr-20	$\dashv$ $\parallel$ $\parallel$ $\parallel$						: : : :		Chamber #4 - Str	1 1 1		
SD41640	Construction - Chlorine Contact Chamber	1018	03-Oct-17 A	26-Apr-20 29-Mar-21	-		1 1				Construc		Chamber #3 - Str			
SD42830	Construction Contact Chamber #2 - Structural Rehab	180	01-Oct-20	29-Mar-21	-		: :	: : :				i i i		lorine Contact Char	i i i	
SD44530	Substantial Completion (CD Compliance Date 6/18/21) - Structural Rehab	0	01 00.20	29-Mar-21*	1									tact Chamber #2 - 3		
SD40110	Project Closeout - Structural Rehab	90	30-Mar-21	27-Jun-21*	1							<b>*</b>		oletion (CD Complia		- Structural R
Project Administration	,	1360	24-Feb-17 A	27-Jun-21	<b></b>	· • · · · · · · · · · · · · · · · · · ·							27-Jun-21,	seout - Structural Re Project Administrati	on	
SD44200	WASD Project Administration - SD Chlorine Contact Chamber	1360	24-Feb-17 A	27-Jun-21			: :		:	1			WASD Pro	ject Administration -	SD Chlorine Conta	act Chamber
Central District \	WWTP	6055	01-Mar-11 A	27-Sep-27	1 1 1	1 1 1	; ;	: :	;				1 1	i i i		: :
01 Miscellaneous E	Electrical Improvements	2842	11-Jun-14 A	20-Mar-22	+ + + + + + + + + + + + + + + + + + + +	<del></del>	1 1							20-Mar-22, 2	.01 Miscellaneous	s Electrical Im
ngineering Design	·	1335	11-Jun-14 A	02-May-19 A	1 1 1	<del></del>			0	<mark>2</mark> -May-19 A,	Engineering Design	n ¦				
CD82340	EPA Start Date for Engineering Design - CD Misc. Elect. Improvements	0	01-Jan-17 A		1	◆ EPA Start Date for	Engineering De	sian - CD Mis	: Flect Im	nrovements						
CD42420	EPA Compliance Date for Engineering Design - CD Misc. Elect. Improvements	0		31-Dec-17 A	1	V LI A Glair Date for		: : :	- 1		CD Misc. Elect. Im	nrovements				
CD10160	Engineering Design - CD Misc. Elect. Improvements	1335	11-Jun-14 A	02-May-19 A			El 7 Colli	! ! !	E		esign - CD Misc. El		ents			
Permitting		925	18-Dec-15 A	20-Jun-18 A			•	20-Jun-18	, Permitting	•						
CD82350	EPA Start Date for Permitting - CD Misc. Elect. Improvements	0	21-Jun-17 A			◆ EPA Sta	art Date for Per	mitting - CD M	/lisc. Élect. I	mprovemen	s					
CD10330	Permitting - CD Misc. Elect. Improvements	704	18-Dec-15 A	22-May-18 A				Permitting	CD Misc. E	<mark>le</mark> ct. Improv	ments					
CD42430	EPA Compliance Date for Permitting - CD Misc. Elect. Improvements	0		20-Jun-18 A		<u> </u>	<u>ii</u>	EPA Compl	iance Date	or Permittin	1 - CD Misc. Elect. I 24-Feb-20, P	Improvements				
Procurement		1437	24-Jul-15 A	24-Feb-20	_		; ;				24-Feb-20, P	rocurement				
CD82360	EPA Start Date for Procurement - CD Misc. Elect. Improvements	0	21-Jun-18 A		_		•	EPA Start D	Date for Pro	<mark>c</mark> urement - (	D Misc. Elect. Impr	ovements				
CD42440	EPA Compliance Date for Procurement - CD Misc. Elect. Improvements	0	04 1145 4	20-Jun-19 A	_					EPA Com	liance Date for Pro					
CD10560 Construction	Procurement - CD Misc. Elect. Improvements	1197 1964		24-Feb-20 14-Jun-21							Procurement	- CD Misc. El	ect. Improvement 14-Jun-21,			
CD82370	EPA Start Date for Construction - CD Misc. Elect. Improvements	0		14-5011-21	$\exists$											
CD10810	Construction - CD Misc. Elect. Improvements		29-Jan-16 A	30-Mar-21	<del>-</del>				•	EPA Start	Date for Construction	on - CD Misc.		nts n - CD Misc. Elect. Ir	anni amanta	
CD10960	Substantial Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements	0	20 0011 1071	30-Mar-21*												
CD42450	EPA Compliance Date for Construction - CD Misc. Elect. Improvements	0		14-Jun-21*	1							<b>*</b>		pletion (CD Complia		
roject Administration		1618	01-Oct-15 A	01-Sep-21	<del></del>	++	+++++++++++++++++++++++++++++++++++++++						01-Se	ance Date for Cons 0-21, Project Admin	stration - GD Misc.	. Elect Improv
CD33930	WASD Project Administration - CD Misc. Elect. Improvements	1618	01-Oct-15 A	01-Sep-21			: :						\\\\ SI	Project Administrat	ion CD Miss Elec	ot Improveme
01 (1) Substations 1 8	& 2	286	24-Jul-15 A	05-May-16 A	1 1 1 1	., 2.01 (1) Substations	1 & 2							roparaquii isuldi	LIPI	
ngineering De sign		121	01-Oct-15 A	30-Jan-16 A	▼ 30-Jan-16 A, Engir	eering Design										
CD40820	Engineering Design Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	122	01-Oct-15 A	30-Jan-16 A	Engineering Design	Substations 1 & 2 (W	ASD) - CD Misc	. Elect Imoro	ements							
ermitting		70		26-Feb-16 A	_	1 1 1 1	- 1	; ; ;	i							
CD40900	Permitting Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	71	18-Dec-15 A	26-Feb-16 A	Permitting Substa	ations 1 & 2 (WASD) - 0	D Misc Elect.	mprovements	s							
rocurement		66	24-Jul-15 A	28-Sep-15 A	ep-15 A, Procurement											
CD40980	Procurement Substations 1 & 2 (WASD) - CD Misc Elect.Improvements	67	24-Jul-15 A	28-Sep-15 A	urement Substations 1	& 2 (WASD) - CD Misc , Construction	Elect.Improve	ments				ļ <u>ļ</u> <u>.</u> .				
onstruction	Construction Substations 1.9.2.0MASPA COMMiss That have a series	97	29-Jan-16 A	05-May-16 A	- : : :			1 1 1								
CD40280	Construction - Substations 1 & 2 (WASD) - CDMisc. Elect.Improvements	98	29-Jan-16 A	05-May-16 A	. Construction	Substations 1 & 2 (V., Project Administration	(ASD) - CD Mis	c. Elect.Impro	vements	<b></b>						
oject Administration CD85030	WASD Project Administration - Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	286 287	24-Jul-15 A 24-Jul-15 A	05-May-16 A 05-May-16 A	-			: : :								
	4A, 4B, 5 & 6 (Project 2.27(2))	2536	13-Apr-15 A	20-Mar-22	. WASD Proje	ct Administration - Sub	stations 1_&_2_(	WASD) - CD	Misc. Elect.	inprovemer	ts			20-Mar-22	.01 (2) Substation	s 3, 4A, 4B
ngineering Design		733	13-Apr-15 A	14-Apr-17 A		14-Apr-17 A	Engineering D	esign				<del>   -</del>				
D70450	Engineering Design Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	733	13-Apr-15 A	14-Apr-17 A	- <u>i i i i</u>				D 5 0 0	-	at land					
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CD70470	Procurement Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	314	05-Jun-17 A	18-Dec-18 A	7	<u> </u>			1			O Char	The set less see			
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CD70480	Construction Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements		29-Mar-19 A	20-Mar-22										1 1 1	1 1 1	AR E O A
roject Administration		1552		20-Mar-22		<del></del>	+ + + + + + + + + + + + + + + + + + + +							20-Mar-22, F	Substations 3. 4A roject Administrati	n. 40, 5, & b
CD85040	WASD Project Administration - 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	1552	<u> </u>	20-Mar-22			! !		!					WASD Prob	at Administration	3 4A 4B 5
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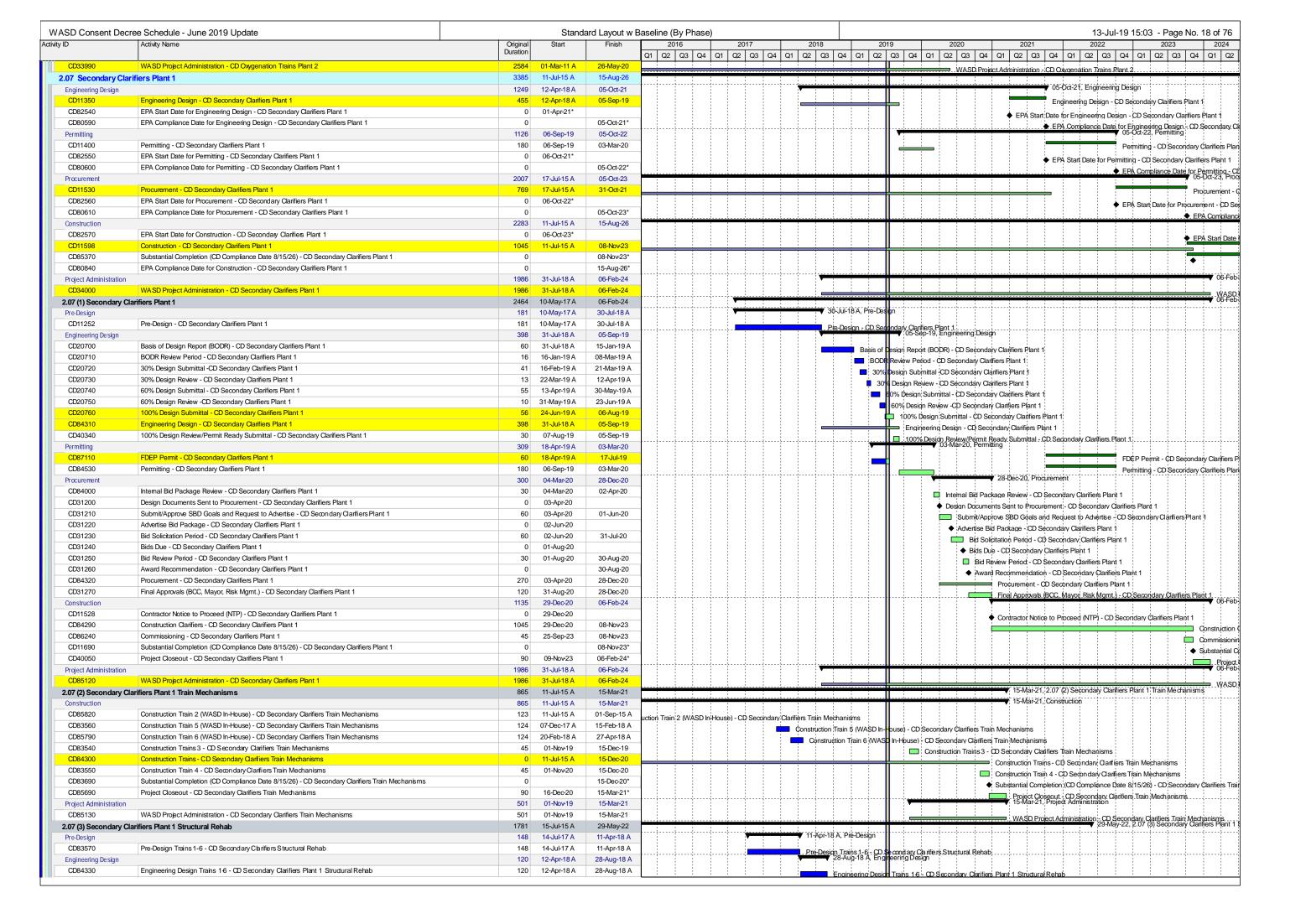


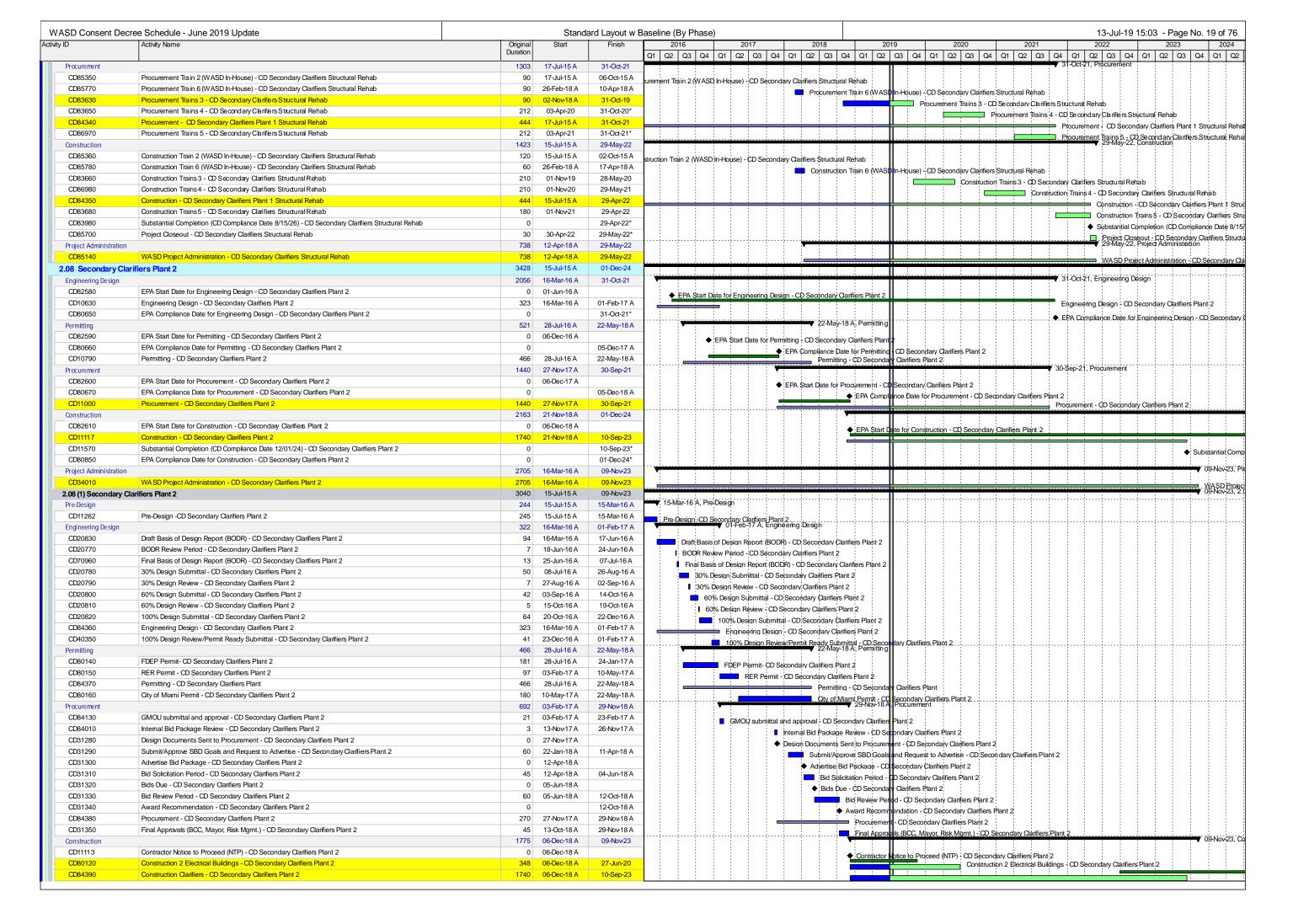
WASD Consent Decr	ee Schedule - June 2019 Update		Stand	dard Layout w l	Baseline (By Phase)									13	3-Jul-19	15:03 - P	age No.	14 of 76
Activity ID	Activity Name	Original Duration	Start	Finish	2016	2017			2019		2020		2021	202		202		2024
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CD85090	WASD Project Administration - Substations 7A, 8A, 9A, & 10A	850	-	30-Mar-21														
2.02 Building Improv		2086	-	10-Dec-19	<del></del>					▼ 10-D	c-19, 2.02	Building In	provements	biect Administration	Substatio	18.7A, 8A, 9	A, & 10A	1
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CD82380	EPA Start Date for Engineering Design - CD Repairs to Various Buildings**	0	01-May-14 A		- CD Repairs to Various Buildir	nae**												
CD42460	EPA Compliance Date for Engineering Design - CD Repairs to Various Buildings**	0		18-Oct-14 A	ngineering Design - CD Repair	: :	ous Buildings**											
CD10130	Engineering Design - CD Repairs to Various Buildings	772	26-Mar-14 A	05-May-16 A	Engineering Design	- CD Rep	pairs to Various Buildings	s				1						.]
Permitting		684	13-Oct-14 A	27-Aug-16 A	27-Aug-16 A	A, Permitti	ing											
CD82390	EPA Start Date for Permitting - CD Repairs to Various Buildings	0	19-Oct-14 A		g - CD Repairs to Various Build													
CD10290	Permitting - CD Repairs to Various Buildings	620	13-Oct-14 A	23-Jun-16 A		1 (	irs to Various Buildings											
CD80310 Procurement	EPA Compliance Date for Permitting - CD Repairs to Various Buildings	973	03-Jun-14 A	27-Aug-16 A 31-Jan-17 A	◆ EPA Compli	iance Date	e for Permitting - CD Rer A, Procurement	pairs to Vario	us Buildin <mark>a</mark> s							; <del> </del>		
CD82400	EPA Start Date for Procurement - CD Repairs to Various Buildings	973	19-Oct-15 A	31-Jair 17 A	-	1 1												
CD10530	Procurement - CD Repairs to Various Buildings	933		21-Dec-16 A	A Start Date for Procurement		airs to Various Buildings ent - CD Repairs to Vario											
CD80320	EPA Compliance Date for Procurement - CD Repairs to Various Buildings	0		31-Jan-17 A					noim to Vari	oue Buildings								
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CD82410	EPA Start Date for Construction - CD Repairs to Various Buildings	0	18-Oct-16 A		◆ EPA Sta	nt Date fo	r Construction - CD Repa	airs to Variou	s Buildings							. ! !		
CD80330	EPA Compliance Date for Construction - CD Repairs to Various Buildings	0		26-Sep-19*						◆ EPA Comp	liance Date	e for Constr	uction - CD Rei	pairs to Various Bu	ildinas	. ! !		
CD10740	Construction - CD Repairs to Various Buildings	1162	16-Oct-14 A	11-Oct-19									ious Buildings					
CD10910	Substantial Completion (CD Compliance Date 9/26/19) - CD Repairs to Various Buildings	0	00.14	11-Oct-19*	2.02 (1)a CD Building Improve	emente	Admin Ashastas Abatha	nent.		Substant	al.Complet	ion.(CD.Cor	npliance Date	9/26/19) CD Rep	irs to Vario	s.Buildings.		
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Engineering Design CD11002	Engineering Design - CD Admin Asbestos Abatement	198		10-Oct-14 A 10-Oct-14 A	min Asbestos Abatement													
Permitting	Engineering bookin Containin toodica reachinett	79		31-Dec-14 A	g Abatement	ļ												
CD11012	Permitting - CD Admin Asbestos Abatement	80		31-Dec-14 A	Permitting -	CD Admi	in Asbestos Abatement											
Procurement	•	256		14-Feb-15 A	ement											<del>-</del>		1
CD21720	Bid & Award Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	64	03-Jun-14 A	05-Aug-14 A	t (Phase 1) - CD Admin Asbe	stos Ahat	tement									.		
CD84270	Procurement - CD Admin Asbestos Abatement	257	03-Jun-14 A	14-Feb-15 A	Admin Asbestos Abatement													
CD30000	Bid & Award Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	62		14-Feb-15 A	os Abatement (Phase 2) - CD	Admin A	sbestos Abatement											
Construction		228		01-Jun-15 A	Construction													
CD21170	Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	60		14-Dec-14 A	_hase 1) - CD Admin Asbestos	Abateme	nt									.		
CD84280 CD30010	Construction - CD Admin Asbestos Abatement Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	229 39		01-Jun-15 A 01-Jun-15 A	- CD Admin Asbestos Abaten	i i												
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CD85100	WASD Project Administration - CD Admin Asbestos Abatement	433		01-Jun-15 A														
	ration Building Interior Improvements	1453		15-Nov-18 A	ct Administration - CD Admin.	Asbestos	Abatement	15-	Nov 18 A, <mark>2</mark> .	02 (1)b CD Adm	inistration E	Building Inte	ior Improveme	nts				1
Engineering Design	,	66	26-Jan-15 A	02-Apr-15 A	ineering Design							1 1						
CD11004	Engineering Design (Remodel) - CD Administration Interior Improvements	67	26-Jan-15 A	02-Apr-15 A	ign (Remodel) - CD Ad ministra Oct-15 A, Permitting	tion Inter	ior Improvements											
Permitting		195	02-Apr-15 A	14-Oct-15 A	Oct-15 A, Permitting													
CD11014	Permitting (Remodel) - CDAdministration Building Interior Improvements	196		14-Oct-15 A	mitting (Remodel) - CD Admini 23-No	stration E	Building Interior Improven	nents	<mark>.</mark> <mark>.</mark>							;		
Procurement	Desire Desired Cont. to Desired at CDA desiridad to Deldie betwie between	387		23-Nov-16 A	23-110	V-IOA, F	loculement											
CD30860 CD30870	Design Documents Sent to Procurement - CD Administration Building Interior Improvements  Submit/Approve SBD Goals and Request to Advertise - CD Administration Building Interior Improvements	95	02 1101 1071	04-Feb-16 A	sian Documents Sent to Proc	i i	i i i i	i i	i i	i i						.		
CD30880	Advertise Bid Package - CD Administration Building Interior Improvements	0		04-1 eb-10 A	Submit/Approve SBD Goa	1 1		1 1	: 1	terior Improvem	ents					.		
CD30890	Bid Solicitation Period - CD Administration Bullding Interior Improvements	120		02-Jul-16 A	◆ Advertise Bid Package -	1 1	1 1 1 1 1 1 1 1	( )	1									
CD30900	Bids Due - CD Administration Building hterior Improvements	0	03-Jul-16 A			1 1	DAdministration Building tion Building Interior Imp	1 1	provements							.		
CD30910	Bid Review Period - CD Administration Building hterior Improvements	47	03-Jul-16 A	18-Aug-16 A	1 1 1 1 1	1 1	D Administration Building	1 1	provements									
CD80340	Rebid Solicitation Period - CD Administration Building Interior Improvements	34	19-Aug-16 A	21-Sep-16 A	1 1 1 1	i i	eriod - CD Administration	- ; ; ;	i I	ments								
CD80350	Rebids Due - CD Administration Building Interior Improvements	0	P		1 : : : :	1 1	lministration Building Inte	1 1										
CD80360	Rebid Review Period - CD Administration Building Interior Improvements	27	22-Sep-16 A	18-Oct-16 A	Rebid Re	eview Per	iod - CD Admin ist ration [	Building Inter	ior Improv <mark>e</mark> m	ents								
CD30920 CD11022	Award Recommendation - CD Administration Building Interior Improvements  Procurement - CD Administration Building Interior Improvements	388	02-Nov-15 A	18-Oct-16 A 23-Nov-16 A		1 1	ndation - CD Administrat		,	vements								
CD30930	Final Approvals - CD Administration Building Interior Improvements	36	19-Oct-16 A	23-Nov-16 A			CD Administration Buildin											
Construction	The state of the s	451		15-Nov-18 A	Final A	Approvals	-CD Administration Buil	iging Interior 15-	mprovemen Nov-18 A, Co	nstruction			+					1
CD11031	Contractor Notice to Proceed (NTP) - CD Administration Building Interior Improvements	0	22-Dec-16 A		-	1 1	otice to Proceed (NTP) -	1 1	i i	i i	ements							
CD11032	Construction (Remodel) - CD Administration Building Interior Improvements	331	22-Dec-16 A	17-Jan-18 A	Con			1 1		stration Building		oro vements						
CD11042	Substantial Completion (CD Compliance Date 9/26/19) - CDAdministration Building Interior Improvements	0		17-Jan-18 A			1 1 1 1	1 1		1 1	: :	1 1	Building Interio	or Improvements				
CD40010	Project Closeout - CD Administration Building	30		15-Nov-18 A	<u> </u>	<u>i. i.</u>			,	t - CD Administr oject Administra		1 1						
Project Administration	WAOD Protect Administrative OD	1363		15-Nov-18 A				15-	INOV-TO A, PI	ujeu Administra	HOII							
CD33940	WASD Project Administration - CD Administration Building	1363		15-Nov-18 A 19-Oct-16 A	19.0ct-1	6 A 2'02	(1)c CD Misc. Roof Impi	rovements	ASD Proje <mark>ct</mark> A	Administration -	D Adminis	tration Build	lina			; <u> </u>		
2.02 (1)c CD Misc. Roo Procurement	or improvements	627 478		23-May-16 A	23-May-16 A, Proc	1 1	. (1)0 00 14100. 14001 11410		<del> </del>									
CD30070	Procurement - CD Misc. Roof Repairs	478		23-May-16 A		1 1	- CD Misc. Roof Repairs											
Construction	The state of the s	557		19-Oct-16 A	19-Oct-1			: <u> </u>  -										1
CD30020	Switchgear Building Roof Repairs - CD Misc. Roof Repairs	47		27-May-15 A	uilding Roof Repai <u>rs - CD Mis</u>	Pock D	enaire											
CD33670	Construction - CD Misc. Roof Repairs	558	·	19-Oct-16 A	runung Nooi Repails - CD Mis	. NOU! K	spalls	++		Constructi	n - CD Mis	c Roof Rep	airs					
CD30030	Maintenance Building Roof Repairs - CD Misc. Roof Repairs	150	23-May-16 A	19-Oct-16 A	Mainten	ance Buil	ding Roof Repairs - CD I	Misc. Roof R	epairs									
CD30040	Operation & Control Building Roof Repairs - CD Misc. Roof Repairs	150	-	19-Oct-16 A			rol Building Roof Repairs ed Administration									ļļ		
Project Administration		627		19-Oct-16 A	19-Oct-1	ъA, Proje	ea Administration											
CD85110	WASD Project Administration - CD Misc. Roof Repairs	628		19-Oct-16 A		Project Ad	ministration - CD Misc. F	Roof Repairs		10.15	c-19 2 02	(2) Remod	Bathrooms	Locker Rooms & S	howers	; <u> </u>		
	rooms, Locker Rooms & Showers	1818	19-Dec-14 A 19-Dec-14 A	10-Dec-19 13-Jun-15 A	, Pre-Design					¥ 10-D								
Pre-Design		1/6	19-Dec-14 A	13-Jun-15 A	,	1 1	1 1 1 1	1 1	1	1 1	<u> </u>	1 1	: : :	: : : : :	- :	<u> </u>		<u>: : : : : : : : : : : : : : : : : : : </u>

ID	cree Schedule - June 2019 Update	1 0:: 1			Baseline (By Phase) 13-Jul-19 15:03 - Page No.
ID	Activity Name	Original Duration	Start	Finish	2016
CD11242	Pre-Design - CD Misc. Building Improvements	177	19-Dec-14 A	13-Jun-15 A	<del>1                                    </del>
Engineering Design		326	14-Jun-15 A	22-Dec-15 A	CD Misc. Building Improvements. 22-Dec-15;A, Engineering Design
CD32480	Engineering Design Phase I - CD Misc. Building Improvements	44	14-Jun-15 A	27-Jul-15 A	ing Design Phase I - CD'Misc. Building Improvements
CD11104	Negotiate Phase II Design - CD Misc. Building Improvements	51	27-Jul-15 A	15-Sep-15 A	tate Phase II Design - CD Misc. Building Improvements
CD11102	Engineering Design (Summary) - CD Misc. Building Improvements	0	14-Jun-15 A	22-Dec-15 A	Engineering Design (Summary) - CD Misc, Building Improvements
CD32490	Engineering Design Phase II - CD Misc. Building Improvements	98	16-Sep-15 A	22-Dec-15 A	Engineering Design Phase III CD Misc. Building Improvements
Permitting		997	05-May-16 A	12-Apr-19 A	212 Apr-19 A, Permitting
CD11112	Permitting - CD Misc. Building Improvements	50	05-May-16 A	23-Jun-16 A	Permitting - CD Misc. Building Improvements
CD80380	COM Permit - CD Misc. Building Improvements	49	06-May-16 A	23-Jun-16 A	COM Permit - CD Misc; Building Improvements
CD80370	RER DERM Permit - CD Misc. Building Improvements	15	09-Jun-16 A	23-Jun-16 A	RER DERM Permit - CD Misc. Building Improvements
CD85910	Dry-Run Permit - CD Misc. Building Improvements	180	27-Jul-18 A	12-Apr-19 A	
Procurement		1116	23-Jun-16 A	14-Apr-19 A	Dr. Run Remitt - CD Misc. Building Improvements  14 Apr-19 A, Procurement
CD30340	Design Documents Sent to Procurement - CD Misc. Building Improvements	0	22-Aug-16 A		♦ Design Documents Sent to Procurement - CD Misc. Building Improvements
CD30350	Submit/Approve SBD Goals and Request to Advertise - CD Misc. Building Improvements	7	22-Aug-16 A	28-Aug-16 A	Submit/Approve SBD Ggals and Request to Advertise -CD Misc. Building Improvements   Submit/Approve SBD Ggals and Request to Advertise -CD Misc. Building Improvements
CD30360	Advertise Bid Package - CD Misc. Building Improvements	0	29-Aug-16 A		ultura de la Maria de la Granda de la companya de la Carta de
CD30370	Bid Solicitation Period - CD Misc. Building Improvements	51	29-Aug-16 A	18-Oct-16 A	Advertise Bid Package - CD Misc. Building Improvements Bid Solicitation Period - CD Misc. Building Improvements
CD30380	Bids Due - CD Misc. Building Improvements	0	18-Oct-16 A		★ Bids Due - CD Misc. Building Improvements
CD30390	Bid Review Period - CD Misc. Building Improvements	9	18-Oct-16 A	26-Oct-16 A	<b>1</b>
CD30400	Award Recommendation - CD Misc. Building Improvements	0		26-Oct-16 A	Bild Review Period - CD Misc. Building Improvements
CD11122	Procurement - CD Misc. Building Improvements	182	23-Jun-16 A	21-Dec-16 A	♦ Award Recommendation - CD Misc. Building Improvements  Procurement - CD Misc. Building Improvements
CD30410	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Misc. Building Improvements	71	27-Oct-16 A	05-Jan-17 A	┨ : <del>` ; `</del> ; : ; : ; : ; * ; * ; : ; . <b>  </b> ; : ; : ; : ; : ; : ; : ; : ; : ; : ;
CD86420	Procurement (Re-bid) - CD Misc. Building Improvements	210	14-Nov-18 A	14-Apr-19 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Misc. Building Improvements
Construction		1057	18-Jan-17 A	10-Dec-19	Produrement (Re-bid); - CD Misc. Building. Improvements.
CD30420	Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements	0	18-Jan-17 A	.5 250 10	
CD11132	Construction - CD Misc. Building Improvements	337	18-Jan-17 A	31-Oct-17 A	Contractor Notice to Proceed (NTP) - CD Misc; Building Improvements :  Construction - CD Misc; Building Improvements
CD85940	Construction - CD Misc. Building Improvements  Construction Activities Stopped - CD Misc. Building Improvements	337	TO Jan-17 A	31-Oct-17 A	<b>1</b>
CD85860	100% NFC Draft Submittal - CD Misc. Building Improvements	28	16-Apr-18 A	15-May-18 A	Construction Activities Stopped - CD M sc. Building Improvements  ———————————————————————————————————
CD85880	100% NFC Review - CD Misc. Building Improvements		17-May-18 A	24-May-18 A	
CD85890	100% Permit Ready Submittal - CD Misc. Building Improvements	21	25-May-18 A	26-Jul-18 A	■ 100% NFC Review - CD Misc. Building Improvements
	• • • • • • • • • • • • • • • • • • • •			-	100% Permit Ready Submittal - CD Misc. Building Improvements
CD85930	100% Bid Ready - CD Misc. Building Improvements	22	23-Oct-18 A	13-Nov-18 A	■ 100% Bid Ready - CD Mişc. Building Improvements
CD87190	Milestone #1 Substantial Completion Bldg #2- CD Misc. Building Improvements		15-Apr-19 A	13-Sep-19	Milestone #1 Substantial Completion Bidg #2- CD Misc. Building Improvements
CD85920	Milestone #2 Substantial Completion Bldgs #1 & #33 - CD Misc. Building Improvements	180	15-Apr-19 A	11-Oct-19	Milestone #2 Substantial Completion Bidgs #1 & #33 - CD Misc. Building Improvements
CD86210	Commissioning - CD Misc. Building Improvements	30	12-Sep-19	11-Oct-19	☐ Commissioning CD Misc. Building Improvements
CD11142	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements	0		11-Oct-19*	◆ Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements:
CD40020	Project Closeout - CD Misc. Building Improvements	60	12-Oct-19	10-Dec-19*	Project Closeout - CD Misc, Building Improvements.  ✓ 10-Dec-19, Project Administration
Project Administration		981	14-Jun-15 A	10-Dec-19	▼ 10-Dec-19, Project Administration
CD33950	WASD Project Administration - CD Misc. Building Improvements	981	14-Jun-15 A 05-Jun-14 A	10-Dec-19 15-Nov-19	WA SD Project Administration - CD Misc. Building Improvements.  ▼ 15-Nov-19, 2:03 Headworks/Grit Basin Plant 1
.03 Headworks/Gr	TIL DASIII FIAIIL I				<u></u>
Pre-Design	Pre-Design - CD Headworks/Grit Basin Plant 1	122	05-Jun-14 A	05-Oct-14 A	4
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CD20000 Engineering De sign	Ü	514	01-Sep-14 A	28-Jan-16 A	Srit Basin Plant 1. ▼ 28-Jan-16 A, Engineering Design
ingineering Design CD82420	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	514 0	01-Sep-14 A 01-Sep-14 A		int Basin Plant 1  ▼ 28-Jan-16 A, Engineering Design  Design - CD Headworks/Grit Basin Plant 1**
ngineering Design CD82420 CD20040	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**  Technical Memo #1 - CD Headworks/Grit Basin Plant 1	514	01-Sep-14 A 01-Sep-14 A 27-Oct-14 A		<b>1</b>
ingineering Design CD82420 CD20040 CD20050	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**  Technical Memo #1 - CD Headworks/Grit Basin Plant 1  Technical Memo #2 - CD Headworks/Grit Basin Plant 1	514 0	01-Sep-14 A 01-Sep-14 A 27-Oct-14 A 08-Dec-14 A		Design - CD Headworks/Grit Basin Plant 1**
ingineering Design CD82420 CD20040 CD20050	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**  Technical Memo #1 - CD Headworks/Grit Basin Plant 1  Technical Memo #2 - CD Headworks/Grit Basin Plant 1  Draft BODR Issued - CD Headworks/Grit Basin Plant 1	514 0	01-Sep-14 A 01-Sep-14 A 27-Oct-14 A	28-Jan-16 A	Design - CD Headworks/Grit Basin Plant 1**adworks/Grit Basin Plant 1
	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**  Technical Memo #1 - CD Headworks/Grit Basin Plant 1  Technical Memo #2 - CD Headworks/Grit Basin Plant 1	514 0 0	01-Sep-14 A 01-Sep-14 A 27-Oct-14 A 08-Dec-14 A 31-Mar-15 A 24-Nov-14 A	28-Jan-16 A 08-Apr-15 A	Design - CD Headworks/Grit Basin Plant 1** sadworks/Grit Basin Plant 1 Headworks/Grit Basin Plant 1:
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agineering Design  D282420  D20040  D20050  D30090  D20020  D2	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**  Technical Memo #1 - CD Headworks/Grit Basin Plant 1  Technical Memo #2 - CD Headworks/Grit Basin Plant 1  Draft BODR Issued - CD Headworks/Grit Basin Plant 1  Basis of Design Report - CD Headworks/Grit Basin Plant 1  Negotiate Final Design - CD Headworks/Grit Basin Plant 1  Issue NTP for Final Design - CD Headworks/Grit Basin Plant 1  Procurement Contract Modification - CD Headworks/Grit Basin Plant 1  Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1  60% Design Submittal - CD Headworks/Grit Basin Plant 1  100% Design Review - CD Headworks/Grit Basin Plant 1  EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 1  100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 1	514 0 0 0 0 0 136 108 0 1 1 31 52 12 120 0 431 41	01-Sep-14 A 01-Sep-14 A 27-Oct-14 A 08-Dec-14 A 31-Mar-15 A 24-Nov-14 A 09-Feb-15 A 27-May-15 A 17-Jun-15 A 17-Jun-15 A 10-Aug-15 A 21-Aug-15 A 24-Nov-14 A 19-Dec-15 A 04-Aug-14 A	28-Jan-16 A  08-Apr-15 A  27-May-15 A  17-Jun-15 A  17-Jul-15 A  07-Aug-15 A  21-Aug-15 A  18-Dec-15 A  05-Jan-16 A  28-Jan-16 A	Design - CD Headworks/Grit Basin Plant 1 Headworks/Grit Basin Plant 1 Id - CD Headworks/Grit Basin Plant 1 Report - CD Headworks/Grit Basin Plant 1 Id Design - CD Headworks/Grit Basin Plant 1 Id Design - CD Headworks/Grit Basin Plant 1 It Contract Modification - CD Headworks/Grit Basin Plant 1 Id Quipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1 Id Quipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1 Isign Submittal - CD Headworks/Grit Basin Plant 1 Isign Submittal - CD Headworks/Grit Basin Plant 1 In 100% Design Submittal - CD Headworks/Grit Basin Plant 1 In 100% Design Review / Permit Ready Submittal - CD Headworks/Grit Basin Plant 1 In 100% Design Review / Permit Ready Submittal - CD Headworks/Grit Basin Plant 1 In 100% Design Review / Permit Ready Submittal - CD Headworks/Grit Basin Plant 1 In 100% Design Review / Permit Ready Submittal - CD Headworks/Grit Basin Plant 1 In 100% Design Review / Permit Ready Submittal - CD Headworks/Grit Basin Plant 1 In 100% Design Review / Permit Ready Submittal - CD Headworks/Grit Basin Plant 1
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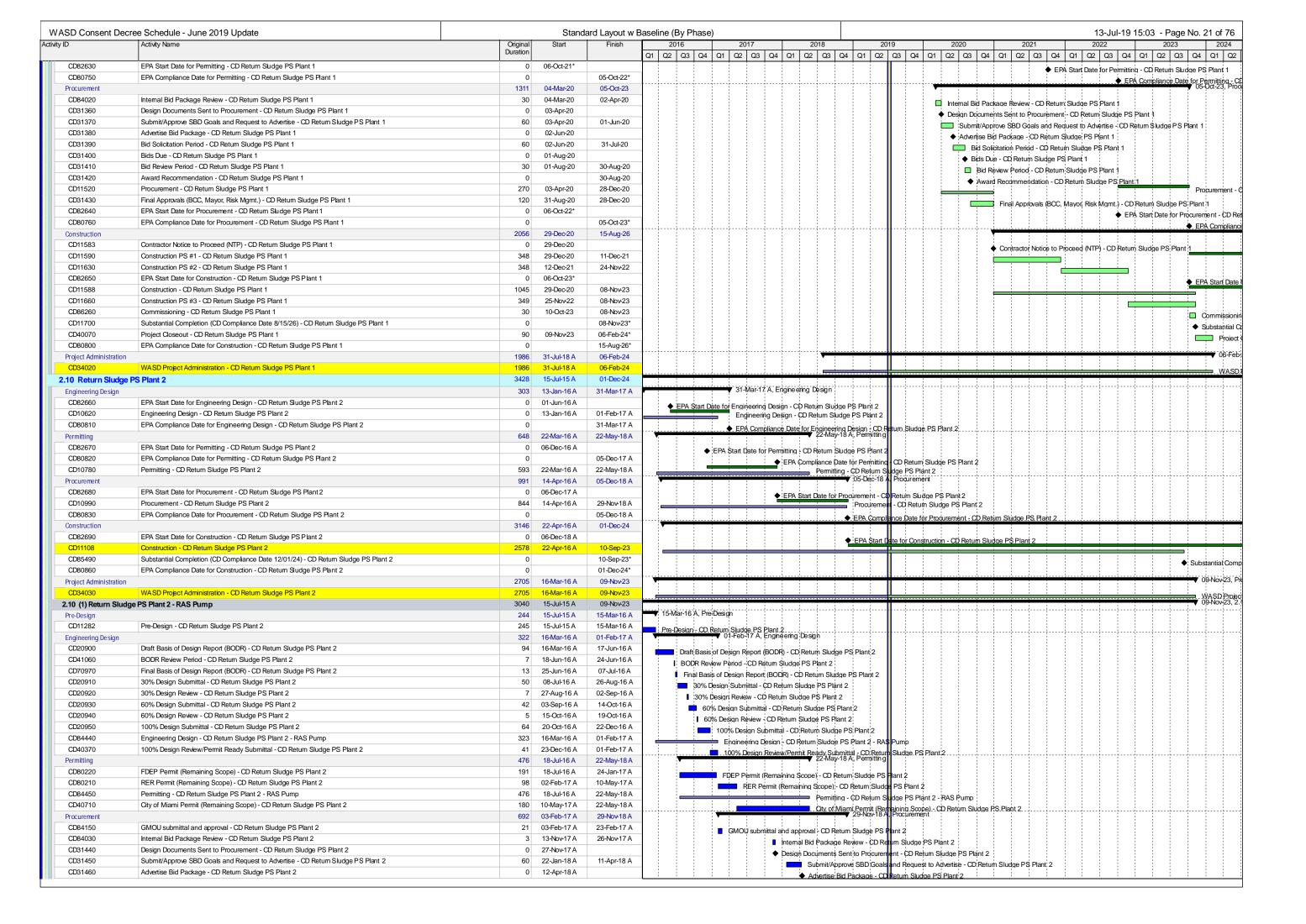
	cree Schedule - June 2019 Update	1 0:: 1			Baseline (By Phase)	0040	0044		13-Jul-19 15:03 - Page No. 16 c
ivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 Q1 Q2 Q3 Q4 Q1 Q2 Q	2018 3 Q4 Q1 Q2 Q3 Q4	Q1 Q2	9 2020 2021 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	2022 2023 2 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1
CD30490	Award Recommendation - CD Headworks/Grit Basin Plant 1	0		01-Aug-16 A	1 ! ! ! ! ! !	n - CD Headworks/Grit Basin Plarit	<u> </u>		
CD30500	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 1	7	02-Aug-16 A	08-Aug-16 A		Mayor, Risk Mgmt.) - CD Headworks		Plant 1	
CD10230	Procurement - CD Headworks/Grit Basin Plant 1	176	07-Mar-16 A	29-Aug-16 A		Headworks/Grit Basin Plant 1			
CD82220	P.O. Issued - CD Headworks/Grit Basin Plant 1	0		29-Aug-16 A	◆ P.O. Issued - CD Head	dworks/Grit Basin Plant 1			
CD81830	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 1	0		16-Oct-16 A		Date for Procurement - CD Headwo	rks/Grit Basin	n Plant 1	
CD30080	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 1	455	21-Aug-15 A	17-Nov-16 A	Owner Pre-purch	nase Screening Equipment - CD He	eadworks/Gri	it Basin Plant 1	
CD32910	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 1	288	04-Feb-16 A	17-Nov-16 A		er Screening Equipment - CD Head	1		
CD32820	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 1	28	21-Oct-16 A	17-Nov-16 A	1 1 1 1 1 1	d Package (RTUs) - CD Headworks	i i	Plant 1	
CD32840	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 1	88	18-Nov-16 A	13-Feb-17 A		d & Award (RTUs) - CD Headworks/	: .	ant 1	
CD32850	Vendor NTP (RTUs) - CD Headworks/Grit Basin Plant 1	0		13-Feb-17 A		P (RTUs) - CD Headworks/Grit Bas			
CD32510	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 1	232	21-Oct-16 A	09-Jun-17 A	1 : : : : : :	vner Pre-burchase RTU's - CD Head	· · · · · · · · · · · · · · · · · · ·	Basin Plant:1	
CD32860	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 1	116	14-Feb-17 A	09-Jun-17 A		bricate & Deliver RTUs - CD Headw		sin Plant 1	
Construction		1357	18-Dec-15 A	15-Nov-19				15-Nov-19, 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	Install Manhole and Clean ou	it of 84" Pipe - CD Headworks/Grit I	Basin Plant		
CD10458	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 1	0	30-Aug-16 A			Proceed (NTP) - CD Headworks/Grit	i i	1	
CD82450	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 1	0	17-Oct-16 A			Construction - CD Headworks/Grit			
CD40790	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 1	410	30-Aug-16 A	07-Mar-19 A			1	uction (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				ruction - CD Headworks/Grit Basin Plant 1	
CD86220	Commissioning - CD Headworks/Grit Basin Plant 1	45	12-Dec-18 A	07-Mar-19 A			Comm	ssioning - 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	]	1	i i	ntial Completion (CD Compliance Date 3/16/19) - CD Headwo	orks/Grit Basin Plant 1
CD81840	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 1	0		16-Mar-19 A	1			ompliance:Date for Construction - CD Headworks/Grit Basin F	
CD40030	Project Closeout - CD Headworks/Grit Basin Plant 1	150	08-Mar-19 A	15-Nov-19					
Project Administration		1145	24-Nov-14 A	15-Nov-19				Project Closeout - CD Headworks/Grit Basin Plant 1 15-Nov 19, Project Administration	
CD33960	WASD Project Administration - CD Headworks/Grit Basin Plant 1	1145	24-Nov-14 A	15-Nov-19				WASD Project Administration - CD Headworks/Crit	Basin Plant 1
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Pre-Design		122	05-Jun-14 A	05-Oct-14 A	<b></b>		<del> </del>		
CD20010	Pre-Design - CD Headworks/Grit Basin Plant 2	123		05-Oct-14 A	Crit Phein Plant 3				
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CD82460	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 2	0	· · · · · · · · · · · · · · · · · · ·						
CD20080	Technical Memo #1 - CD Headworks/Grit Basin Plant 2	0			Design - CD Headworks/Grit Basin Plar	nt 2			
CD20090	Technical Memo #2 - CD Headworks/Grit Basin Plant 2	0	08-Dec-14 A		eadworks/Grit Basin Plant 2				
CD30290	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 2	0			Headworks/Grit Basin Plant 2				
CD20070	Basis of Design Report - CD Headworks/Grit Basin Plant 2	136		08-Apr-15 A	n - CD Headworks/Grit Basin Plant 2				
CD20100	Negotiate Final Design - CD Headworks/Grit Basin Plant 2	108		27-May-15 A	Report - CD Headworks/Grit Basin Plant				
CD32530	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 2	31		17-Jul-15 A	al Design - CD Headworks/Grit Basin Pl				
CD32530 CD21150	60% Design Submittal - CD Headworks/Grit Basin Plant 2	52		07-Aug-15 A	quipment Pre-Purchase Packages - CD				
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CD21160	<u> </u>	12		21-Aug-15 A	sign Review - CD Headworks/Grit Basin				
CD20110	100% Design Submittal - CD Headworks/Grit Basin Plant 2	120		18-Dec-15 A	100% Design Submittal - CD Headwork				
CD10040	Engineering Design - CD Headworks/Grit Basin Plant 2	431	24-Nov-14 A	28-Jan-16 A	Engineering Design - CD Headwork	ks/Grit Basin Plant 2			
CD40330	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 2	42	18-Dec-15 A	28-Jan-16 A	100% Design Review/Permit Ready				
CD81850	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 2	520	04 Mor 45 A	19-Feb-16 A	◆ EPA Compliance Date for Enginee 05-Aug-16 A, Permitting	ring Design - CD Headworks/Grit Ba	asin Plant <mark>2</mark> .		
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CD10200	Permitting - CD Headworks/Grit Basin Plant 2	190		05-Aug-16 A	Permitting - CD Headwo	orks/Grit Basin Plant 2			
CD80040	City of Miami Building Permit - CD Headworks/Grit Basin Plant 2	190		05-Aug-16 A	. City of Miami Building P	Permit - CD Headworks/Grit Basin P 16-Aug-17 A, Procurement	lant 2		
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CD30300	Procurement Contract Modification - CD Headworks/Grit Basin Plant 2	1	17-Jun-15 A	17-Jun-15 A	t Contract Modification - CD Headworks	s/Grit Basin Plant 2			
CD31331	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	70		29-Oct-15 A	_e-Purchase Bid Package (Screening Eq	uipment) - CD Headworks/Grit Basii	n Plant 2		
CD31371	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	0		20 1 12 1	vertise Pre-Purchase Package (Screenin	ng Equipment) - CD Headworks/Gri	t Basin Pla <mark>n</mark> t	12	
CD31381	Vendor Bid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 2	91	30-Oct-15 A	28-Jan-16 A	Vendor Bid & Award (Screening Equ	ipment) - CD Headworks/Grit Basin	Plant 2		
CD31431	Vendor NTP (Screening Equipment) - CD Headworks/Grit Basin Plant 2	0	00.44 12 1	29-Jan-16 A	◆ Vendor NTP (Screening Equipment)	-CD Headworks/Grit Basin Plant 2	2		
CD82480	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 2	0			◆ EPA Start Date for Procurement -	CD Headworks/Grit Basin Plant 2			
CD30520	Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 2	0	07-Mar-16 A	0	◆ Design Documents Sent to Procu	rement - CD Headworks/Grit Basin	Plant 2		
CD30530	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 2	96		01-Jul-16 A	Submit/Approve SBD Goa	als and Request to Advertise - CD H	leadworks/ <mark>G</mark>	rit Basin Plant 2	
CD30540	Advertise Bid Package - CD Headworks/Grit Basin Plant 2	0	02-Jul-16 A		Advertise Bid Package - C	D Headworks/Grit Basin Plant 2			
CD30550	Bid Solicitation Period - CD Headworks/Grit Basin Plant 2	17		18-Jul-16 A	■ Bid Solicitation Period - 0	CD Headworks/Grit Basin Plant 2			
CD30560	Bids Due - CD Headworks/Grit Basin Plant 2	0	19-Jul-16 A		◆ Bids Due - CD Headwork	s/Grit Basin Plant 2			
CD30570	Bid Review Period - CD Headworks/Grit Basin Plant 2	14	19-Jul-16 A	01-Aug-16 A		Headworks/Grit Basin Plant 2			
CD30580	Award Recommendation - CD Headworks/Grit Basin Plant 2	0		01-Aug-16 A	◆ Award Recommendatio	n - CD Headworks/Grit Basin Plant	2		
CD30590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 2	7	02-Aug-16 A	08-Aug-16 A	Final Approvals (BCC, N	Mayor, Risk Momt.) - CD Headworks	/Grit Basin	Plant 2	
CD10210	Procurement - CD Headworks/Grit Basin Plant 2	176	07-Mar-16 A	29-Aug-16 A		nent - CD Headworks/Grit Basin Pla			
CD82230	P.O. Issued - CD Headworks/Grit Basin Plant 2	0		29-Aug-16 A	◆ P.O. Issued - CD Head	dworks/Grit Basin Plant 2			
CD31321	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 2	28	21-Oct-16 A	17-Nov-16 A		d Package (RTUs) - CD Headworks	/Grit Basin	Plant 2	
CD31351	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 2	88	18-Nov-16 A	13-Feb-17 A	1 : : : : : :	d & Award (RTUs) - CD Headworks/			
CD31391	VendorNTP (RTUs) - CD Headworks/Grit Basin Plant2	0		13-Feb-17 A		P (RTUs) - CD Headworks/Grit Bas			
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CD30100	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 2	658	17-Jun-15 A	04-Apr-17 A		Pre-purchase Screening Equipmer			
CD31441	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 2	432	29-Jan-16 A	04-Apr-17 A		ate & Deliver Screening Equipment	i i		
CD32550	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 2	300		16-Aug-17 A		Owner:Pre-purchase RTU's - CD			
CD31401	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 2	184		16-Aug-17 A	1	Cobrigate & Dalian BT 1- CD	neadworks/C	Gnt Basin Plant 2 t Basin Plant 2 17-Dec-19, Construction	
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	uction Trains 2&3 - CD Secondary Clarifiers Train Mechanisms	45	21-Nov-18 A	31-Jul-19				<u> </u>		L. L			. !				
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	uction Trains 6 - CD Secondary Clarifiers Train Mechanisms	180	01-Oct-21	29-Mar-22									Constru	ction Train	ns6-CD	Secondary	/ Clarif
	ntial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Train Mechanisms	0		29-Mar-22*								•	Substan	tial Com	oletion (CI	D Complia	nce þa
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(3) Secondary Clarifiers Pla	ant 2 Structural Rehab	1795	14-Jul-17 A	12-Jun-22									12-	Jun-22, 2	2.08 (3) S	econdary (	Janfie
Design		148	14-Jul-17 A	09-Feb-18 A		V :	09-Feb-18	A, Pre-Design									
83770 Pre-Des	sign Trains 1-10 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	09-Feb-18 A			Pre-Design	n Trains 1-10 - CD	Secondary Clarifiers Strue	tural Rehab							
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CD84420 Procure	ement - CD Secondary Clarifiers Plant 2 Structural Rehab	1187	17-Jul-18 A	30-Sep-21				1 1	1 1 1	1 1 1		Procuremo	ent - CD S	econdary	Clarifiers	Plant 2 St	ructur
CD83910 Procure	ement Trains 5 - CD Secondary Clarifiers Structural Rehab	180	04-Apr-21	30-Sep-21*								Procureme	ent Trains	5 - CD S	econdary (	Clarifiers S	tructu
CD87070 Procure	ement Trains 6 - CD Secondary Clarifiers Structural Rehab	180	04-Apr-21	30-Sep-21*								Procureme	ent Trains	6 - CD S	condary!	ClarifiersS	tructu
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CD87160 Constru	action Trains 3 - CD Secondary Clarifiers Structural Rehab	112	21-Nov-18 A	06-May-19 A					Construction Trains 3 -	CD Secondary Clarific	ers Structural	Rehab					
CD83920 Constru	ction Trains 2 - CD Secondary Clarifiers Structural Rehab	142	21-Nov-18 A	21-Jun-19 A					i i i	2 - CD Secondary Cla	i i i	i i					
D83930 Constru	ction Train 9 - CD Secondary Clarifiers Structural Rehab	135	15-Aug-19	27-Dec-19					1 1 1	ction Train 9 - CD Se	1 1 1	1 1	ral Rehab	- 1	1		
D83940 Constru	uction Trains 1 - CD Secondary Clarifiers Structural Rehab	165	28-Dec-19	09-Jun-20						Construction Train		1 1		tural Reh	ah		
D86090 Constru	uction Train 4 - CD Secondary Clarifiers Structural Rehab	165	28-Dec-19	09-Jun-20						Construction Train	: : :	1 1	- 1	1 1	- 1		
D87080 Constru	uction Trains 10 - CD Secondary Clarifiers Structural Rehab	165	25-Apr-20	06-Oct-20							on Trains 10	1 1		1 1			
	uction Trains 7 - CD Secondary Clarifiers Structural Rehab	165	20-Oct-20	02-Apr-21						Construct	: : :	- 1 1		- 1 1	- 1	- 1	
	uction Trains 8 - CD Secondary Clarifiers Structural Rehab	165	20-Oct-20	02-Apr-21							1 1	on Trains 7 -					
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Return Sludge PS Plant 1	1	3385	10-May-17 A	15-Aug-26	ļļl		<u></u>	120102402525	<u> </u>		ļ <u>ļ</u> .i						
-Design		181	10-May-17 A	30-Jul-18 A		<u> </u>		30-Jul-18 A, Pre-	Lesign								
D11272 Pre-Des	sign - CD Return Sludge PS Plant 1	181	10-May-17 A	30-Jul-18 A				Pre-Design - CD	Ret <mark>u</mark> rn Sludge PS Plant	<u> </u>	<u> </u>			أحجاب			j.
jineering Design		1144	30-Jul-18 A	05-Oct-21								05-Oct-21	, Enginee	ing Desig	gn		T.
D20840 Basis of	f Design Report (BODR) - CD Return Sludge PS Plant 1	60	31-Jul-18 A	08-Mar-19 A			-	R:	sis of Design Report (BC	DR) - CD Return Sluc	ige PS Plant	1			į		
020850 30% De	esign Submittal - CD Return Sludge PS Plant 1	41	16-Feb-19 A	21-Mar-19 A				1 1 1	0% Design Submittal - C		: : :						
20860 30% De	esign Review - CD Return Sludge PS Plant 1	13	22-Mar-19 A	12-Apr-19 A				1 1 1	30% Design Review - CD	1 71	!!!!						
	esign Submittal - CD Return Sludge PS Plant 1	55	13-Apr-19 A	30-May-19 A				-	1 1 1	1 1 1	; ; ;						
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	Design Submittal - CD Return Sludge PS Plant 1		24-Jun-19 A	06-Aug-19						- CD Return Sludge							
	ering Design - CD Return Sludge PS Plant 1	398	30-Jul-18 A	05-Sep-19					100% Design Su	bmittal - CD Retum S	ludge PS Pla		na Dobie-	CDD	um Ch.a-	IO DE DIA	
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	Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 1		07-Aug-19	05-Sep-19					□ 100% Design I	Review/Permit Ready	i i i	i i	i	i i			
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rmitting		1255	18-Apr-19 A	05-Oct-22											1	1 1	- 1
CD87120 FDEP P	Permit - CD Return Sludge PS Plant 1	60	18-Apr-19 A	17-Jul-19					<b></b>						1	- CD Retur	
D11390 Permittir	ing - CD Return Sludge PS Plant 1	180	06-Sep-19	03-Mar-20		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 1 1 1	1 1 1	: : :			Dorn	nittina - Cl	D'Retum S	3ludae



	ree Schedule - June 2019 Update	Original			Baseline (By Phase) 13-Jul-19 15:03 - Page No.
y ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
CD31470	Bid Solicitation Period - CD Return Sludge PS Plant 2	5	12-Apr-18 A	04-Jun-18 A	<del>1                                    </del>
CD31480	Bids Due - CD Return Sludge PS Plant 2	0	05-Jun-18 A		Bid Solicitation Period - D Return Sludge PS Plant 2  ◆ Bids Due - CD Return Sudge PS Plant 2
CD31490	Bid Review Period - CD Return Sludge PS Plant 2	60		12-Oct-18 A	
CD31500	Award Recommendation - CD Return Sludge PS Plant 2	0		12-Oct-18 A	Bid Review Period - CD Return Sludge PS Plaht 2
CD84460	Procurement - CD Return Sludge PS Plant 2 - RAS Pump	270	27-Nov-17 A	29-Nov-18 A	Award Recommendation - CD Return Studge PS Plant 2      Solid - CD Return Studge PS Plant 2      Solid - CD Return Studge PS Plant 2
CD31510	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 2	45		29-Nov-18 A	Procurement - CD'Return Sludge PS Plant 2 - RAS Pump
Construction		1775		09-Nov-23	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 2
CD11103	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 2	0	06-Dec-18 A		¶
CD84470	Construction - CD Return Sludge PS Plant 2 - RAS Pump		06-Dec-18 A	10-Sep-23	◆ Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 2  Con
CD86270	Commissioning - CD Return Sludge PS Plant 2	30		10-Sep-23*	
CD11580	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0	12 / lug 20	10-Sep-23*	
CD40080	, , , , , , , , , , , , , , , , , , , ,	60	11-Sep-23	09-Nov-23*	
	Project Closeout - CD Return Sludge PS Plant 2		•	09-Nov-23	
Project Administration CD85180	WASD Project Administration - CD Return Sludge PS Plant 2	2705 2705	16-Mar-16 A 16-Mar-16 A	09-Nov-23	
	·	541		09-N0V-23	▼ 07-Jul-17 A, 2.10 (2) Return Sludge PS Plant 2 - RAS Line
.,	ge PS Plant 2 - RAS Line				▼ 13-Apr-16 A, Engineering Design
Engineering Design	DAO Handragina Davina Validatina CD Datum Oludra DO Black O	91	13-Jan-16 A	13-Apr-16 A	4 V 1979-197, Eiginoring 20091
CD40660	RAS Header pipe Design Validation - CD Return Sludge PS Plant 2	15		27-Jan-16 A	RÀS Header pipe Design Validation - CD Retrim Studge PS Plant 2
CD84480	Engineering Design - Return Sludge PS Plant 2 - RAS Line	92		13-Apr-16 A	Engineering Design - Return Sludge PS Plant 2 - RAS Line
CD40670	RAS Header pipe 100% Design Submission - CD Return Sludge PS Plant 2	77		13-Apr-16 A	RAS Header pipe 100% Design Submission - CD Return Sludge PS Plant 2. ▼ 22-Mar-16 A, Permitting
Permitting		0	22-Mar-16 A	22-Mar-16 A	▼ ∠∠-mar-io;A, Permitting
CD81330	FDEP Permit (RAS Header Pipe) - CD Return Sludge PS Plant 2	0		22-Mar-16 A	◆ FDEP Permit (RAS Header Pipe) - CD Return Sludge PS Plant 2.     ▼ 20;Apr-16 A, Procuement
Procurement		6	14-Apr-16 A	20-Apr-16 A	▼ ZU-Apr-16 A, Procuiement
CD40690	Emergency Procurement of RAS Header Pipe - CD Return Sludge PS Plant 2	7	14-Apr-16 A	20-Apr-16 A	Emergency Procurement of RAS Header Pipe - CD Return Studge PS Plant
Construction		441	22-Apr-16 A	07-Jul-17 A	L Emergency Procurement of RAS Header Pipe - CD Return Sludge PS Plant 2 07-Jul-17 A, Construction
CD40700	Construction RAS Header Pipe - CD Return Sludge PS Plant 2	442	22-Apr-16 A	07-Jul-17 A	Construction R&S Header Pine - CD Return Studge PS Plant 2
Project Administration		441	22-Apr-16 A	07-Jul-17 A	Construction RAS Header Pipe - CD Return Studge PS Plant 2.
CD85190	WASD Project Administration - CD Return Sludge PS Plant 2	442	22-Apr-16 A	07-Jul-17 A	WASD Project Administration - CD Return Sludge PS Plant 2
2.11 Effluent Pump S	Station	1950	19-Feb-16 A	21-Jun-21	WASD Project Administration - CD Return Studie PS Parit 2
Pre-Design		222		28-Sep-16 A	▼ 28-Sep-16 A, Pre-Design
CD11292	Pre-Design - CD Effluent Pump Station	223	19-Feb-16 A	28-Sep-16 A	
	Fie-Design - OD Emdent Fump Station			· ·	Pre-Design - CD Effluent Pump, Station  7 18-Aug-17 A; Engineering Design
Engineering De sign	D (17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	359	24-Aug-16 A	18-Aug-17 A	4   V   V   V   V   V   V   V   V   V
CD82270	Draft Technical Memo Submittal - CD Effluent Pump Station	20		12-Sep-16 A	■ Draft /Technical Memo Submittal - CD Effluent Pump Station
CD82280	Final Technical Memo Submittal - CD Effluent Pump Station	21	13-Sep-16 A	03-Oct-16 A	Final Technical Memo Submittal - CD Effluent Pump Station
CD20560	Draft Basis of Design Report (BODR) - CD Effluent Pump Station	35	13-Sep-16 A	17-Oct-16 A	☐ Draft Basis of Design Report (BODR) - CD Effluent Pump Station
CD20570	BODR Review Period - CD Effluent Pump Station	9	18-Oct-16 A	26-Oct-16 A	■ BÖDR Review Period - CD Effluent Pump Station
CD82290	Final Basis of Design Report (BODR) - CD Effluent Pump Station	14	27-Oct-16 A	09-Nov-16 A	■ Final Basis of Design Report (BQDR) - CD Effluent Pump Station
CD80870	EPA Start Date for Engineering Design - CD Effluent Pump Station	0	01-Jan-17 A		◆ EPA Start Date for Engineering Design - CD Effluent Pump Station
CD20580	30% Design Submittal - CD Effluent Pump Station	69	10-Nov-16 A	17-Jan-17 A	30% Design Submittal - CD Effluent Pump Station
CD20590	30% Design Review - CD Effluent Pump Station	24	18-Jan-17 A	10-Feb-17 A	■ 30% Design Review - CD Effluent Pump Station
CD20600	60% Design Submittal - CD Effluent Pump Station	31	11-Feb-17 A	13-Mar-17 A	60% Design Submittal +CD Effluent Pump Station
CD20610	60% Design Review - CD Effluent Pump Station	16	14-Mar-17 A	29-Mar-17 A	60% Design Review - CD Effluent Pump Station
CD20620	100% Design Submittal - CD Effluent Pump Station	69	30-Mar-17 A	06-Jun-17 A	<u> </u>
CD10080	Engineering Design - CD Effluent Pump Station	297		16-Jun-17 A	100% Design Submittal - CD Effluent Pump Statton Engineering Design - CD Effluent Pump Statton
CD40380	100% Design Review/Permit Ready Submittal - CD Effluent Pump Station	10		16-Jun-17 A	
CD82700	EPA Compliance Date for Engineering Design - CD Effluent Pump Station	0	0. 00	18-Aug-17 A	■ 100% Design Review/Permit Ready/Submittal - OD Effluent Pump Station
Permitting	ETA Compliance Date for Engineering Design - OD Emacht Fump Station	373	22-Jun-17 A	20-Jun-18 A	
	DEDM Pomit OD Effluent Dump Station	19		10-Jul-17 A	<b>-</b>
CD84810	DERM Pemit - CD Effluent Pump Station  EPA Start Pate for Pemitting - CD Effluent Pump Station			IU-Jul-17 A	DERM Permit - CD Effluent Pump Station
CD82710	EPA Start Date for Permitting - CD Effluent Pump Station	0		27 Fab 40 A	
CD10180	Permitting - CD Effluent Pump Station	152		27-Feb-18 A	Permitting - CD Effluent Pump Station
CD84820	City of Miami Permit - CD Effluent Pump Station	127	17-Jul-17 A	27-Feb-18 A	City of Miami Permit - CD Effluent Pump Station
CD80880	EPA Compliance Date for Permitting - CD Effluent Pump Station	0		20-Jun-18 A	◆ EPA Compliance Date for Permitting - CD Effluent Pump Station.      ○ 33-Aug-19, Procurement
Procurement		711		03-Aug-19	U3-Aug-19, Procurement
CD84180	GMOU submittal and approval - CD Effluent Pump Station	23		10-Aug-17 A	■ GMOU submittal and approval - CD Effluent Pump Station
CD84040	Internal Bid Package Review - CD Effluent Pump Station	1	06-Mar-18 A	06-Mar-18 A	I Internal Bid Package Review - CD Effluent Pump Station
CD31520	Design Documents Sent to Procurement - CD Effluent Pump Station	0	07-Mar-18 A		◆ Design Documents Sent to Procurement -CD Effluent Pump Station
CD85850	Issue RTA to Director for Signature - CD Effluent Pump Station	0	18-Apr-18 A		♦ Issue RTA to Director for Signature - CD Effluent Pump Station
CD31530	Submit/Approve SBD Goals and Request to Advertise - CD Effluent Pump Station	24	07-Mar-18 A	29-May-18 A	Submit/Approve SBD Goals and Request to Advertise - CD Effluent Pump Station
CD31540	Advertise Bid Package - CD Effluent Pump Station	0	30-May-18 A		♦ Advertise Bid Package - CD Effluent Pump Station
CD82720	EPA Start Date for Procurement - CD Effluent Pump Station	0	21-Jun-18 A		◆ EPA\Start Date for Procurement - CD Effluent Pump Station
CD31550	Bid Solicitation Period - CD Effluent Pump Station	64	30-May-18 A	16-Jul-18 A	
CD31560	Bids Due - CD Effluent Pump Station	0	•		Bid Solicitation Period CD Effluent Pump Station
CD31570	Bid Review Period - CD Effluent Pump Station	30		20-Aug-18 A	→ Birds Due' - CD Effluen Pump Station
CD31580	Award Recommendation - CD Effluent Pump Station	0	50. 1071	20-Aug-18 A	■ Bid Review Period CD Effluent Pump Station
CD80890	EPA Compliance Date for Procurement - CD Effluent Pump Station	0		20-Aug-10 A 20-Jun-19 A	Award Recommendation - CD Effluent Pump Station
	·		07-Mar-18 A		■ EPA Compliance Date for Procurement - CD Effluent Pump Station  PROCUREMENT OF STATE
CD10420	Procurement - CD Effluent Pump Station			03-Aug-19	Procurement + CD Effluent Pump Station
CD31590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Effluent Pump Station		21-Aug-18 A	03-Aug-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Effluent Pump. Station 21-Jun-21, Construction
Construction			21-Jun-19 A	21-Jun-21	21-Jun-21, Construction
CD82730	EPA Start Date for Construction - CD Effluent Pump Station	0	21-Jun-19 A		■ EPA Start Date for Construction - CD Efflyent Pump Station
CD10658	Contractor Notice to Proceed (NTP) - CD Effluent Pump Station	0	05-Aug-19		◆ Contractor Notice to Proceed (NTP) - CD Effluent Pump Station
CD10660	Construction - CD Effluent Pump Station	440	05-Aug-19	17-Oct-20	Construction - CD Effluent Pump Station
CD86280	Commissioning - CD Effluent Pump Station	30	18-Sep-20	17-Oct-20	Commissioning - CD Effluent Pump Station
	Substantial Completion (CD Compliance Date 6/21/21) - CD Effluent Pump Station	0	-	17-Oct-20*	Commissioning - CD Emuent Pump Station  ◆ Substantial Completion (CD Compliance Date:6/21/21) - CD Effluent Pump
CD10870				1	■ Sunstantial Completion (C1) Compliance Late 6/21/21) - (21) Ettligent Plump

WASD Consent Decre	ee Schedule - June 2019 Update		Standa	ard Layout w B	taseline (By Phase) 13-Jul-19 15:03 - Page No. 23 of 76
Activity ID	Activity Name	Original Duration	Start	Finish	2016         2017         2018         2019         2020         2021         2022         2023         2024           Q1         Q2         Q3         Q4         Q1         Q2         Q3
CD80900	EPA Compliance Date for Construction - CD Effluent Pump Station	0		21-Jun-21*	<del></del>
Project Administration		1121	13-Sep-16 A	16-Dec-20	◆ EPA: Compliance Date for Construction - CD Effluent Pump Station  ▼ 16-Dec-20, Project Administration
CD34040	WASD Project Administration - CD Effluent Pump Station	1121	13-Sep-16 A	16-Dec-20	WASD Project Administration - CD Effluent Pump Station.
2.12 Gravity Sludge	Thickeners Plant 1	2959	02-Feb-15 A 02-Feb-15 A	10-Mar-23 30-Apr-15 A	e-Debign
Pre-Design CD11302	Pre-Design - CD Gravity Sludge Thickeners Plant 1	88	02-Feb-15 A 02-Feb-15 A	30-Apr-15 A	
Engineering Design	The Books. OB Statis, Global Miller Haller	868	16-Jun-15 A	05-Oct-17 A	D. Gravity. Sludge. Thickeners. Plant. 1. O5-Oct-17.A., Engineering Design
CD20960	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 1	190	16-Jun-15 A	22-Dec-15 A	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 1
CD32810	BODR Design Review - CD Gravity Sludge Thickeners Plant 1	36	23-Dec-15 A	27-Jan-16 A	BODR Design Review - CD Gravity Sludge Thickeners Plant 1
CD10370	Engineering Design - CD Gravity Sludge Thickeners Plant 1	288	16-Jun-15 A	29-Mar-16 A	Engineering Design - CD Gravity Sludge Thickeners Plant 1:
CD41080	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 1	90	20. lon 46.4	29-Mar-16 A	♦ Issue Final RDB\$ - CD Gravity Sludge Thickeners Plant 1
CD32620 CD32640	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1  DCP Design Review - CD Gravity Sludge Thickeners Plant 1	25	28-Jan-16 A 25-Apr-16 A	26-Apr-16 A 19-May-16 A	Design Criteria: Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1
CD33340	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1	298	04-Jan-16 A	27-Oct-16 A	DCP Design Review - 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	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1  Final DCP Submittal - CD Gravity Sludge Thickeners Plant 1
CD82740	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0	01-Apr-17 A		◆ EPA Start Date for Engineering Design - CD Gravity Studge Thickeners Plant 1
CD80910	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0		05-Oct-17 A	◆ EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1.
Permitting		1217	29-Jan-16 A	31-Aug-19	7 31-Aug-19, Permitting
CD32680	FDEP Permit - CD Gravity Sludge Thickeners Plant 1	126	29-Jan-16 A 19-Mar-19 A	02-Jun-16 A	FDEP Permit - CD Gravity Sludge Thickeners Plant 1
CD87140 Procurement	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 1	1624	29-Mar-16 A	31-Aug-19 16-Aug-20	FDEP Permit (Revised BODR) - CD Gravity Studge Thickeners Plant 1
CD33220	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 1	0	29-Mar-16 A		◆ RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 1
CD33230	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeness Plant 1	113	29-Mar-16 A	19-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 1
CD33240	Advertise RDBS - CD Gravity Sludge Thickeners Plant 1	0	20-Jul-16 A		♦ Advertise RDBŞ - CD Gravity Sludge Thickeners Plant 1
CD33250	Request for Qualifications - CD Gravity Sludge Thickeners Plant 1	59	20-Jul-16 A	16-Sep-16 A	Request for Qualifications - CD Gravity Sludge Thickeners Plant 1
CD33260	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 1	91	17-Sep-16 A	16 Dec 16 A	◆ Qualifications Package Due - CD Gravity Sludge Thickeners Plant I
CD33270 CD33280	Qualification Review Period - CD Gravity Sludge Thickeners Plant 1  Shortlist Published - CD Gravity Sludge Thickeners Plant 1	91	17-Sep-16 A	16-Dec-16 A 16-Dec-16 A	Qualification Review Period - CD Gravity Studge Thickeners Plant 1
CD33290	Request for Proposals - CD Gravity Studge Thickeners Plant 1	101	24-Jan-17 A	04-May-17 A	◆ Shortlist Published - CD Gravity Sludge Thickeners Plant 1
CD33300	Proposals Due - CD Gravity Sludge Thickeners Plant 1	0	05-May-17 A		Request for Proposals - CD Gravity Sludge Thickerers Plant 1  ◆ Proposals Due - CD Gravity Sludge Thickeners Plant 1
CD33310	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 1	112	05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 1
CD33320	Award Recommendation - CD Gravity Sludge Thickeners Plant 1	0	25-Aug-17 A		◆ Award Recommendation - CD Gravity Sludge Thickeners Plant 1
CD33330	Contract Negotiations - CD Gravity Sludge Thickeners Plant 1	53	25-Aug-17 A	17-Nov-17 A	Contract Negotiations - CD Gravity Sludge Thickeners Plant 1
CD33360 CD86110	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 1  Bid Cancellation - CD Gravity Sludge Thickeners Plant 1	79	18-Nov-17 A	01-May-18 A 30-May-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 1
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 Studge Thickeners Plant 1
CD86430	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	TA' Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 1  Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments
CD82760	EPA Start Date for Procurement - CD Gravity Studge Thickeners Plant 1	0	06-Oct-18 A		► EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 1
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	Submit approved Review Item to SBD, Receipt of SBD Worksheet, 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	◆ Proiect Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 1
CD86480	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1	40	19-Sep-18 A	04-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1
CD86460 CD86470	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 1  Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 1	30	09-Nov-18 A 12-Jan-19 A	11-Jan-19 A 06-Mar-19 A	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 1
CD86990	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 1	15	12-Mar-19 A	19-Mar-19 A	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Studge Thickeners Plant 1
CD86500	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	54	18-Mar-19 A	10-May-19 A	It Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 1  Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 1
CD86520	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1	30	10-May-19 A	12-Jun-19 A	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1
CD86510	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1	76	11-May-19 A	12-Jun-19 A	Step 2 Proposal Review and Evaluation - CD Gravity Studge Thickeners Plant 1
CD86530	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 1		13-Jun-19 A	11-Aug-19	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 1
CD86540 CD80930	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)  EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 1	40	12-Aug-19	20-Sep-19 05-Oct-19*	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)
CD86550	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1	60	21-Sep-19	19-Nov-19	◆ EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 1
CD86560	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 1	60	20-Nov-19	18-Jan-20	Negotiations Commence - Confract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1  Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant
CD86570	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	19-Jan-20	18-Mar-20	Contract Executed 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	40	19-Mar-20	27-Apr-20	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thicker
CD40730	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 1	90	28-Apr-20	26-Jul-20	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Studge Thic
CD10730 CD85950	Procurement - CD Gravity Sludge Thickeners Plant 1  Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 1	679 739	29-Mar-16 A 09-Aug-18 A	16-Aug-20 16-Aug-20	Procurement - CD Gravity Sludge Thickeners Plant 1
CD86600	Issue NTP - CD Gravity Sludge Thickeners Plant 1	21	27-Jul-20	16-Aug-20	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 1
Design-Build		1252	06-Oct-19	10-Mar-23	□ Issue NTP CD Gravity Sludge Thickeners Plant 1.
CD82770	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 1	0	06-Oct-19*		◆ EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 1
CD33350	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 1	0	17-Aug-20		◆ Design Builder NTP - CD Gravity Studge Thickeners Plant 1
CD32690	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1	300	17-Aug-20	12-Jun-21	Final Engineering by Design-Builder: - CD Gravity Sludge Thickenets Plan
CD32700	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1	180	13-Feb-21	11-Aug-21	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1
CD84760 CD10950	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 1  Construction - CD Gravity Sludge Thickeners Plant 1	876 696	17-Aug-20 13-Feb-21	09-Jan-23 09-Jan-23	Design-Builder Contract Duration Construction CD Growth Studge
CD10950 CD86290	Commissioning - CD Gravity Sludge Thickeners Plant 1	30	11-Dec-22	09-Jan-23	Construction - CD Gravity Sludge
CD11160	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 1	0	50022	09-Jan-23*	☐ Commissioning - CD Gravity Sludo  Substantial Completion (CD/Comp
CD80940	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 1	0		13-Jan-23*	
CD40100	Project Closeout - CD Gravity Sludge Thickeners Plant 1	60	10-Jan-23	10-Mar-23*	Project Coseout CD Gravity 10-Mar-23, Project Administra
Project Administration		2039	16-Jun-15 A	10-Mar-23	7: 10-Mar-23, Project Administra
CD34050	WASD Project Administration - CD Gravity Sludge Thickeners Plant 1	2039 3195	16-Jun-15 A 11-Jun-14 A	10-Mar-23 10-Mar-23	WASD Project Administration 10-Mar-23, 2.13 Gravity Slud
2.13 Gravity Sludge	THICKEHERS PRIANT 2				-Design
Pre-Design		58	01-Feb-15 A	31-Mar-15 A	

WASD Consent Decr	ree Schedule - June 2019 Update		Stand	lard Layout w E	aseline (By Phase)	13-Jul-19 15:03 - Page No. 24 of 76
Activity ID	Activity Name	Original Duration	Start	Finish		019 2020 2021 2022 2023 2024
CD21080	Negotiate/Award Balance of Design - CD Gravity Sludge Thickeners Plant 2	59	01-Feb-15 A	31-Mar-15 A	1	CO   C4   C1   C2   CO   C4   C1   C2   CO   C4   C1   C2   CO   C4   C1   C2   C0   C4   C1   C2   C4   C1   C2   C4   C4   C4   C4   C4   C4   C4
Engineering De sign		896	11-Jun-14 A	23-Nov-16 A	Balance of Design - CD Gravity Sludge Thickeners Plaht 2  23-Nov-16 A; Engineering Design	
CD21020	Complete Technical Memorandum - CD Gravity Sludge Thickeners Plant 2	235		31-Jan-15 A	Memorandum - CD Gravity Sludge Thickeners Plant 2	
CD82780 CD21730	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2  Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 2	236		22-Dec-15 A	Start Date for Engineering Design - CD Gravity Studge Thickeners Plant 2	
CD21740	BODR Design Review - CD Gravity Sludge Thickeners Plant 2	36	•	27-Jan-16 A	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 2	
CD10510	Engineering Design - CD Gravity Sludge Thickeners Plant 2	658	11-Jun-14 A	29-Mar-16 A	BODR Design Review - CD Gravity Sludge Thickeners Plant 2  Erigineering Design - CD Gravity Sludge Thickeners Plant 2	
CD41070	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 2	0		29-Mar-16 A	◆ Issue Final RDB\$ - CD Gravity Sludge Thickeners Plant 2	
CD30160	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2	90	28-Jan-16 A	26-Apr-16 A	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Pla	n 2
CD30190	DCP Design Review - CD Gravity Sludge Thickeners Plant 2	23	27-Apr-16 A	19-May-16 A	■ DCP Design Review - CD Gravity Sludge Thickeners Plant 2	
CD80950	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	0	04.1.40.4	22-Jul-16 A	◆ EPA Compliance Date for Engineering Design - CD Gravity Sludge Thi	ckenets Plarit 2
CD33370 CD30200	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 2  Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2	298		27-Oct-16 A 23-Nov-16 A	Pilot Testing of Thickening Process - CD Gravity Sludge Thicken	
Permitting	Final DOF Submittal - CD Gravity Studge Trickeriers Frant 2	188 1217		31-Aug-19	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2	31-Aug-19, Permitting
CD30230	FDEP Permit - CD Gravity Sludge Thickeners Plant 2	126		02-Jun-16 A	FDF R B - 1 CDC - 1 Cluster Tell - 1 CDC - 1	
CD87130	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 2	60	19-Mar-19 A	31-Aug-19	FDEP Permit - CD Gravity Sludge Thickeners Plant 2	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant?
Procurement		1624	29-Mar-16 A	16-Aug-20	Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FDEP Permit (Revised BODR) : CD Gravity Sludge Thickeners Plant 2 16-Aug-20, Procurement
CD33380	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 2	0	29-Mar-16 A		◆ RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 2	
CD33390	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 2	113		19-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Slu	dge Trjickeners Plant 2
CD33400	Advertise RDBS - CD Gravity Sludge Thickeners Plant 2	0	20-Jul-16 A	40.0 40.4	◆ Advertise RDB\$ - CD Gravity Sludge Thickeners Plant 2	
CD33410 CD33420	Request for Qualifications - CD Gravity Sludge Thickeners Plant 2	59		16-Sep-16 A	Request for Qualifications - CD Gravity Sludge Thickeriers Plant 2	
CD33420 CD33430	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 2  Qualification Review Period - CD Gravity Sludge Thickeners Plant 2	91	17-Sep-16 A 17-Sep-16 A	16-Dec-16 A	◆ Qualifications Package Due - CD Gravity Sludge Thickeners Plant	
CD33440	Shortlist Published - CD Gravity Sludge Thickeners Plant 2	0	17 Joh-10 V	16-Dec-16 A	Qualification Review Period - CD Gravity Sludge Thickeners	Plant 2
CD82800	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 2	0	06-Apr-17 A		<ul> <li>♦ Shortlist Published - CD Gravity Sludge Thickeners Plant 2</li> <li>♦ EPA Start Date for Procurement - CD Gravity Sludge</li> </ul>	Thistoner Plant O
CD33450	Request for Proposals - CD Gravity Sludge Thickeners Plant 2	101	24-Jan-17 A	04-May-17 A	Request for Proposals - CD Gravity Sludge Thicker	
CD33460	Proposals Due - CD Gravity Sludge Thickeners Plant 2	0	05-May-17 A		◆ Proposals Due - CD Gravity Sludge Thickeners Pla	
CD33470	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 2	112	05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentation	
CD33480	Award Recommendation - CD Gravity Sludge Thickeners Plant 2	0	25-Aug-17 A		◆ Award Recommendation - CD Gravity Slud	
CD33490	Contract Negotiations - CD Gravity Sludge Thickeners Plant 2	53	25-Aug-17 A	17-Nov-17 A	Contract Negotiations - CD Gravity Slu	dge Thickeners Plant 2
CD80970	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 2**	0	40.11 47.4	05-Apr-18 A	◆ EPA Compliance Date for P	ocurement - CD Gravity Sludge Thickeners Plant 2**
CD33500 CD86120	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 2  Bid Cancellation - CD Gravity Sludge Thickeners Plant 2	79	18-Nov-17 A	01-May-18 A 30-May-18 A	1	y <mark>o</mark> r, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 2
CD86120 CD86180	TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 2	60	11-May-18 A	23-Jul-18 A	1 : : : : : : : : : : : : : :	ravity Sludge Thickeners Plant 2
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		nd Approval - CD Gravity Sludge Thickeners Plant 2
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 : : : : : : : : : : : : : :	d Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments  ved Review Item to SBD, 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	<b> </b>	risement (after signed 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		nd Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 2
CD86640	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 2	40	09-Nov-18 A	11-Jan-19 A	1 : : : : : : : : : : : : : :	Submittal Due Date - CD Gravity Sludge Thickeners Plant 2
CD86650	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 2	30	12-Jan-19 A	06-Mar-19 A	Step	1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 2
CD87000	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 2	15		19-Mar-19 A	I Issu	e DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 2
CD86680 CD86700	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 2  Step 2 Meeting - CD Gravity Sludge Thickeners Plant 2	54 30	18-Mar-19 A 10-May-19 A	10-May-19 A 12-Jun-19 A		Step 2 Submittal Due 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		Step 2 Meeting - CD Gravity Sludge Thickeners Plant 2
CD86710	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 2		13-Jun-19 A	11-Aug-19		Step 2 Proposal Review and Evaluation - CD Gravity Studge Thickeners Plant 2
CD86720	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)	40		20-Sep-19		Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 2  Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)
CD86730	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2	60	21-Sep-19	19-Nov-19		Negotiations Commence: Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2
CD86740	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 2	60	20-Nov-19	18-Jan-20		Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Pla
CD86750	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	19-Jan-20	18-Mar-20		Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures
CD86760	Submit Contract Award Recommendation/Contract for internal approvals -CD Gravity Sludge Thickeners Plant 2	40	19-Mar-20	27-Apr-20		Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thicken
CD40860	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 2	90	<u> </u>	26-Jul-20		Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Studge Thick
CD10860 CD85960	Procurement - CD Gravity Sludge Thickeners Plant 2  Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 2	679 739		16-Aug-20 16-Aug-20		Procurement - CD Gravity Sludge Thickeners Plant 2
CD85960 CD86780	Issue NTP - CD Gravity Sludge Thickeners Plant 2	21		16-Aug-20 16-Aug-20		Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 2
De sign-Build		1776		10-Mar-23		□ Issue NTP - CD Gravity Sludge Thickeners Plant 2 ▼ 10-Mar-23, Design-Build
CD82810	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 2**	0	06-Apr-18 A		► FPA Start Date for Cobstruc	dion - CD Gravity Sludge Thickehers Plant 2**
CD33510	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 2	0	17-Aug-20		E in Gaile Bate for Goldstade	
CD30240	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2	300	17-Aug-20	12-Jun-21		Final Engineering by Design-Builder - CD Gravity Sludge Thickenets Plan
CD30250	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 2	180	13-Feb-21	11-Aug-21		AHJ Permit Review - CD Gravity Sludge Thickeners Plant 2
CD84770	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 2	876	17-Aug-20	09-Jan-23		Design-Builder Contract Duration -
CD11040	Construction - CD Gravity Sludge Thickeners Plant 2	696	13-Feb-21	09-Jan-23 09-Jan-23		Construction - CD Gravity Sludge 1
CD86300 CD11200	Commissioning - CD Gravity Sludge Thickeners Plant 2  Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 2	30	11-Dec-22	09-Jan-23*		☐ Commissioning; CD Gravity; Sludg
CD11200 CD80980	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 2	0		13-Jan-23*		◆ Substantial Completion (CD'Comp
CD40110	Project Closeout - CD Gravity Sludge Thickeners Plant 2	60	10-Jan-23	10-Mar-23*		► EPA Compliance Date for Constru
Project Administration		2085		10-Mar-23		Project Closeout - CD Gravity S 10-Mar-23, Project Administrat
CD34060	WASD Project Administration - CD Gravity Sludge Thickeners Plant 2	2085	01-May-15 A	10-Mar-23		WASD Project Administration
2.14 Digesters Plant	11	3234	14-Mar-17 A	19-Jan-26		3313951.39511.0000000
2.14.1 Cluster 1		2211	21-May-18 A	18-Jun-24		
Pre-Design		422	· · · · · · · · · · · · · · · · · · ·	26-Jul-19		26-Jul-19, Pre-Design
CD84520	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1	0		00.1.1.0	Respond to EPA re. Proj	ect Repurposing - CD Digesters Plant 1 Cluster 1
CD11312	Pre-Design - CD Digesters Plant 1 Cluster 1		30-Jun-19*	26-Jul-19 04-Nov-20		Pre-Design CD Digesters Plant 1 Cluster 1.
Engineering De sign		467	27-Jul-19	04-1NOV-2U		

D CONSCIN Deci	cree Schedule - June 2019 Update Activity Name	Original	Start	Finish	Baseline (By Ph		201	7		2018	4		2019	13-Jul-19 15:03 - Page No. 25
	Activity rediffe	Duration	Start	FILISH	Q1 Q2 Q3	Q4 (			01 (		04			Q4 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1
CD21320	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1	30	27-Jul-19	25-Aug-19	Q1 Q2 Q3	Q4 (	21   92	Q3   Q5	Qi I	22 Q	Q4	Q1 Q2	1	
CD21330	30% Design Submittal - CD Digesters Plant 1 Cluster 1	90	26-Aug-19	23-Nov-19	1						1 1			sis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1
D21340	30% Design Review - CD Digesters Plant 1 Cluster 1	14	24-Nov-19	07-Dec-19	-						1 1		-	30% Design Submittal - CD Digesters Plant 1 Cluster 1
D21350	60% Design Submittal - CD Digesters Plant 1 Cluster 1	110	08-Dec-19	26-Mar-20	-	İ			1 1		1 1			30% Design Review - CD Digesters Plant 1 Cluster 1
D21360	60% Design Review - CD Digesters Plant 1 Cluster 1	110	27-Mar-20	09-Apr-20	-						1 1			60% Design Submittal - CD Digesters Plant 1 Cluster 1
D82820	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0	01-May-20*	03-Api-20			- i - i				1 1			60% Design Review - CD Digesters Plant 1 Cluster 1
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21370	100% Design Submittal - CD Digesters Plant 1 Cluster 1	80	10-Apr-20	28-Jun-20	-						1 1			100% Design Submittal - CD Digesters Plant 1 Cluster 1
011260	Engineering Design - CD Digesters Plant 1 Cluster 1	368	27-Jul-19	28-Jul-20	4									Engineering Design - CD Digesters Plant 1 Cluster 1
040390	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 1	30	29-Jun-20	28-Jul-20	_						1 1			■ 100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 1
080990	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0		04-Nov-20*					11.		.11			◆ .EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster  04-Nov21, Permitting
mitting		464	29-Jul-20	04-Nov-21										▼ 04-Nov-21, Permitting
82830	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1	0	05-Nov-20*			1					1 1			◆ EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1
11310	Permitting - CD Digesters Plant 1 Cluster 1	180	29-Jul-20	24-Jan-21							1 1			Permitting - CD Digesters Plant 1 Cluster 1
81000	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 1	0		04-Nov-21*	7	- 1					1 1			◆ EPA Compliance Date for Permitting - CD Directors
urement		649	25-Jan-21	04-Nov-22		1			1 1		1 1		-	◆ EPA Compliance Date for Permitting - CD Digesters  04-Nov22, Procurement
84050	Internal Bid Package Review - CD Digesters Plant 1 Cluster 1	3	25-Jan-21	27-Jan-21	7									I Internal Bid Package Review - CD Digesters Plant 1; Cluster 1
31680	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1	0	28-Jan-21		7						1 1			
31690	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 1	60	28-Jan-21	28-Mar-21	-	- 1					1 1			◆ Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster
31700	•	0	29-Mar-21	∠U-IVIAI-Z I	$\dashv$ $\parallel$ $\parallel$									Submit/Approve SBD Goals and Request to Advertise - CD Digesti
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31710	Bid Solicitation Period - CD Digesters Plant 1 Cluster 1	60	29-Mar-21	27-May-21	4	- 1					1 1			Bid Solicitation Period - CD Digesters Plant 1 Cluster 1
31720	Bids Due - CD Digesters Plant 1 Cluster 1	0	28-May-21		4									◆ Bids Due - CD Digesters Plant 1 Cluster 1
31730	Bid Review Period - CD Digesters Plant 1 Cluster 1	30	28-May-21	26-Jun-21	_								1	☐ Bid Review Period - CD Digesters Plant 1 Cluster 1
31740	Award Recommendation - CD Digesters Plant 1 Cluster 1	0		26-Jun-21	_									◆ Award Recommendation - CD Digesters Plant 1 Cluster 1
11430	Procurement - CD Digesters Plant 1 Cluster 1	270	28-Jan-21	24-Oct-21		į				- 1	1 1			Procurement - CD Digestel
31750	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 1	120	27-Jun-21	24-Oct-21	7	- 1								Final Approvals (BCC, Mayor, Risk Momt.) - CD Dige
32840	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 1	0	05-Nov-21*	İ	7									
81010	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 1	0		04-Nov-22*	7	- 1			1	- 1				◆ EPA Start Date for Procurement: - CD Digesters Plai
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11538	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 1	0	25-Oct-21	10 00.12										
82850	, , ,	0			-	- 1		- 1			1 1			◆ Contractor Notice to Proceed (NTP) - CD Digesters F
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11540	Construction - CD Digesters Plant 1 Cluster 1	592	25-Oct-21	08-Jun-23	4 1 1 1						1 1		<u> </u>	
11620	Substantial Completion (CD Compliance Date 6/18/24) - CD Digesters Plant 1 Cluster 1	0		08-Jun-23*	_	į	- 1 1		1 1		1 1			◆ Substantial
40120	Project Closeout - CD Digesters Plant 1 Cluster 1	90	09-Jun-23	06-Sep-23*	_	- 1		- 1			1 1			Project
081020	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 1	0		18-Jun-24*		- 1					1 1			
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34070	WASD Project Administration - CD Digesters Plant 1 Cluster 1	1503	27-Jul-19	06-Sep-23		- 1	- 1	- 1	1	- 1	1 1	- 1		
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086150	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1	0	21-May-18 A							A D	1 44 - 1			rposing - CD Digesters; Plant1 Cluster 1
11322	Pre-Design - CD Digesters Plant 1 Cluster 2	28	30-Jun-19*	27-Jul-19		1				Res	Ond to E	A IQ. PIO		
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WASD Consent Decre	ee Schedule - June 2019 Update		Stand	ard Layout w E	aseline (By Phase)	13-Jul-19 15:03 - Page No. 26 of 76
Activity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018	2019 2020 2021 2022 2023 2024 3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
CD40130	Project Closeout - CD Digesters Plant 1 Cluster 2	90	11-Jul-23	08-Oct-23*	Q1   Q2   Q3   Q4   Q1   Q2   Q3   Q4   Q1   Q2   Q	Project Closeou
CD82890	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 2	0	06-Jun-24*			■ I I I I I I I I I I I I I I I I I I I
CD81060	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 2	0		19-Jan-26*		
Project Administration		1534	28-Jul-19	08-Oct-23		▼ 08-Oα-23, Proj
CD34080	WASD Project Administration - CD Digesters Plant 1 Cluster 2	1534	28-Jul-19	08-Oct-23		WASD Project 18-Jun-23, 2.15 Diges
2.15 Digesters Plant	2	3295	11-Jun-14 A	18-Jun-23		18-Jun-23, 2.15.1 Qu
2.15.1 Cluster 1		3295	11-Jun-14 A	18-Jun-23	Oct-15A, Engineering Design	7 18Jun-23, 2.15.1 Qu
Engineering De sign	EDA Olad Data for Fording of Dating OD Disputors Direct C Oladard	505	11-Jun-14 A	29-Oct-15 A	-Od-15 A, Engineering Design	
CD82900 CD21750	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 1	314	11-Jun-14 A	20 Apr 15 A	n - CD Digesters Plant 2 Cluster 1	
CD21750 CD21760	30% Design and Final BODR Submittal - CD Digesters Plant 2 Cluster 1  30% Design Review - CD Digesters Plant 2 Cluster 1	314	11-Jun-14 A 20-Apr-15 A	20-Apr-15 A	d Final BODR Submittal - CD Digesters Plant 2 Cluster 1	
CD21760 CD20130	NTP for Remaining Design - CD Digesters Plant 2 Cluster 1	0	· ·	23-Apr-15 A	view - CD Digesters Plant 2 Cluster 1	
CD20130 CD20170	60% Design Submittal - CD Digesters Plant 2 Cluster 1	114	· · · · · · · · · · · · · · · · · · ·	14-Aug-15 A	hing Design - CD Digesters Plant 2 Cluster 1	
CD20170	60% Design Review - CD Digesters Plant 2 Cluster 1	13	· · · · · · · · · · · · · · · · · · ·	26-Aug-15 A	sign Submittal - QD Digesters Plant 2 Cluster 1	
CD20190	100% Design Submittal - CD Digesters Plant 2 Cluster 1	34		29-Sep-15 A	esign Review - CD Digesters Plant 2 Cluster 1	
CD10030	Engineering Design - CD Digesters Plant 2 Cluster 1	475		29-Sep-15 A	6 Design Submittal - CD Digesters Plant 2 Cluster 1 gineering Design - CD Digesters Plant 2 Cluster 1	
CD81070	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 1	0		29-Oct-15 A		
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CD82910	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 1**	0	· · · · · · · · · · · · · · · · · · ·			
CD80100	FDEP Permit - CD Digesters Plant 2 Cluster 1	169	30-Sep-15 A	16-Mar-16 A	Start Date for Permitting - CD Digesters Plant 2 Cluster 1**	
CD81080	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 1**	0		27-Mar-16 A	FDEP Permit - CD Digesters Plant 2 Cluster 1	0/01-11-4**
CD10110	Permitting - CD Digesters Plant 2 Cluster 1	330	30-Sep-15 A	24-Aug-16 A	◆ EPA Compliance Date for Permitting - CD Digesters Plan Permitting - CD Digesters Plant 2 Cluster 1	1.4. MUSICI 1
CD80110	City of Miami Building Permit - CD Digesters Plant 2 Cluster 1	234	04-Jan-16 A	24-Aug-16 A		ant 2 Cluster 1
Procurement		870	14-Aug-14 A	31-Dec-16 A	City of Miam Building Permit - CD Digesters Pl 31-Dec-16 A, Procurement	wite-various 1,
CD12171	Owner Pre-Purchase Digester Cover (1) - CD Digesters Plant 2 Cluster 1	222	14-Aug-14 A	23-Mar-15 A	ase Digester Cover (1) - CD Digesters Plant 2 Cluster 1	
CD82920	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 1	0	28-Mar-16 A		◆ EPA Start Date for Procurement - CD Digesters Plant 2 C	Juster 1
CD30610	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 1	0	27-Apr-16 A		◆ Design Documents Sent to Procurement - CD Digester	
CD30620	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 1	72	27-Apr-16 A	07-Jul-16 A	Submit/Approve SBD Goals and Request to Adve	
CD30630	Advertise Bid Package - CD Digesters Plant 2 Cluster 1	0	08-Jul-16 A		♦ Advertise Bid Package - CD Digesters Plant 2 Clus	
CD30640	Bid Solicitation Period - CD Digesters Plant 2 Cluster 1	46	08-Jul-16 A	22-Aug-16 A	Bid Solicitation Period - CD Digesters Plant 2 C	
CD30650	Bids Due - CD Digesters Plant 2 Cluster 1	0	23-Aug-16 A		♦ Bids Due - CD Digesters Plant 2 Cluster 1	
CD30660	Bid Review Period - CD Digesters Plant 2 Cluster 1	58	23-Aug-16 A	19-Oct-16 A	Bid Review Petiod - CD Digesters Plant 2 C	duster 1
CD30670	Award Recommendation - CD Digesters Plant 2 Cluster 1	0		19-Oct-16 A	◆ Award Recommendation - CD Digesters PI	ant 2 Cluster 1
CD10120	Procurement - CD Digesters Plant 2 Cluster 1	181	27-Apr-16 A	24-Oct-16 A	Procurement - CD Digesters Plant 2 C	Juster 1
CD30680	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 1	5	20-Oct-16 A	24-Oct-16 A	I Final Approvals (BCC, Mayor, Risk Mgmt.)	- CD Digesters Plant 2 Cluster 1
CD81090	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 1	0		31-Dec-16 A	◆ EPA Compliance Date for Procurement	nt - CD Digesters Plant 2 Cluster 1
Construction		3010		18-Jun-23		18-Jun-23, Constructio
CD30260	Construction of Digester Cover (1) - CD Digesters Plant 2 Cluster 1	217	23-Mar-15 A	25-Oct-15 A	nstruction of Digester Cover (1) - CD Digesters Plant 2 Cluster 1	
CD82930	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 1	0	· ·		◆ EPA Start Date for Construction - CD Digeste	rs Plant 2 Cluster 1
CD10378	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 1	0			◆ Contractor Notice to Proceed (NTP) - CD [	
CD10380	Construction - CD Digesters Plant 2 Cluster 1		23-Mar-15 A	13-Jan-20		Construction - CD Dige
CD40810	Construction (Remaining Scope) - CD Digesters Plant 2 Cluster 1	14	31-Oct-16 A	13-Jan-20		Construction (Remaining Scope) - CD Digesters Plant 2 Cluster 1
CD86310 CD10770	Commissioning - CD Digesters Plant 2 Cluster 1  Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 1	0	31-Dec-19	13-Jan-20 13-Jan-20*		D Commissioning - CD Digesters Plant 2 Cluster 1
CD40140	Project Closeout - CD Digesters Plant 2 Cluster 1	60	14-Jan-20	13-Mar-20*		◆ Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 1
CD81100	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 1	00	14-5411-20	18-Jun-23*		Project Closeout + CD Digesters Plant 2 Cluster 1
Project Administration	2.77 Compliance Pate 107 Conditional CP Digestole Figure 2 Condition	1483	11-Jun-14 A	13-Mar-20	<u> </u>	★ EPA Compliance Date     ★ I3-Mar-20, Project Administration
CD34090	WASD Project Administration - CD Digesters Plant 2 Cluster 1	1483		13-Mar-20		
2.15.2 Cluster 2	Three Property Administration - Go Digotolo Piana 2 States P	3104	19-Dec-14 A	18-Jun-23		WASD Project Administration, CD Digesters Plant 2 Cluster.1 ▼ 18-Jun-23, 2.15.2 Cu
Pre-Design		495	19-Dec-14 A	27-Apr-16 A	27-Apr-16 A, Pre-Design	
CD12181	Pre-Design - CD Digesters Plant 2 Cluster 2	137	19-Dec-14 A	04-May-15 A	D Disaster Disast 2 Charles 2	
CD41120	Negotiate Scope & Fee for Balance of Design - CD Digesters Plant 2 Cluster 2	167	13-Nov-15 A	27-Apr-16 A	D Digesters Plant 2 Cluster 2  Nagotiate Scope & Fee for Balance of Design - CD Dig	octors Plant 2 Cluster D
Engineering Design		1337	04-May-15 A	07-Dec-18 A	Negotiate Scope & Fee for Balarice of Design - CD Dig	√07-Dec-18 A Engineering Design
CD20200	Basis of Design Report (BODR) - CD Digesters Plant 2 Cluster 2	100	05-May-15 A	12-Aug-15 A	Design Report (BODR) - CD Digesters Plant 2 Cluster 2	
CD20210	BODR Review Period - CD Digesters Plant 2 Cluster 2	14	13-Aug-15 A	26-Aug-15 A	Review Period - CD Digesters Plant 2 Cluster 2	
CD20260	100% Design Submittal - CD Digesters Plant 2 Cluster 2	52	28-Apr-16 A	18-Jun-16 A	100% Design Submittal - CD Digesters Plant 2 Clus	ter 2
CD10390	Engineering Design - CD Digesters Plant 2 Cluster 2	478	04-May-15 A	23-Aug-16 A		Engineering Design - CD Digesters Plant 2 Cluster 2
CD40450	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 2	66	19-Jun-16 A	23-Aug-16 A	100% Design Review/Permit Ready Submittal	CD Digesters Plant 2 Cluster 2
CD82940	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 2	0	10-Jan-18 A		1	ate for Engineering Design - CD Digesters Plant 2 Cluster 2
CD81110	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 2	0		07-Dec-18 A		◆ EPA Complance Date for Engineering Design - CD Digesters Plant 2 Cluster 2  07-Dec-19, Permitting
Permitting		1201	24-Aug-16 A	07-Dec-19	Y I I I I I I I I I I I I I I I I I I I	▼ 07-Dec-19, Permitting
CD82300	DERM Permit - CD Digesters Plant 2 Cluster 2	21	24-Aug-16 A	13-Sep-16 A	■ DERM Permit - CD Digesters Plant 2 Cluster:	
CD10540	Permitting - CD Digesters Plant 2 Cluster 2	339		28-Jul-17 A		Permitting -CD Digesters Plant 2 Cluster 2
CD82310	City of Miami Permit - CD Digesters Plant 2 Cluster 2	318	· · · · · · · · · · · · · · · · · · ·	28-Jul-17 A		D Digesters Plant 2 Cluster 2
CD82950	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 2	0	08-Dec-18 A			◆ EPA Start Date for Permitting CD Digesters Plant 2 Cluster 2
CD81120	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 2	0		07-Dec-19*	<u> </u>	◆ EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 2 06-Dec-20, Procurement
Procurement	OMORE I STATE OF COMMENT OF COMME	1413		06-Dec-20	V	Ub-Lec-20, Procurement
CD84210	GMOU submittal and approval - CD Digesters Plant 2 Cluster 2	21	24-Jan-17 A	13-Feb-17 A	■ GMOU submittal and approval - CD	
CD84070	Internal Bid Package Review - CD Digesters Plant 2 Cluster 2	11	14-Jul-17 A	24-Jul-17 A	■ Internal Bid Package Re	view - CD Digesters Plant 2 Cluster 2
OD04040			25-Jul-17 A		▲ Pacian Pagumente Son	t tg Procurement - CD Digesters Plant 2 Cluster 2
CD31840	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 2			04 lon 40 4		
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/Appro	ove SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 2
			25-Jul-17 A 05-Jan-18 A	04-Jan-18 A 22-Feb-18 A	Submit/Appr ◆ Advertise Bid	

)	ree Schedule - June 2019 Update Activity Name	Original		Finish	Baseline (By Phase)	2017		2018		13-Jul-19 15:03 - Page No.
	nouny radiile	Duration		11111111			04 01			2019 2020 2021 2022 2023 12 Q3 Q4 Q1 Q2 Q3 Q4
CD31880	Bids Due - CD Digesters Plant 2 Cluster 2	0	23-Feb-18 A		Q1 Q2 Q0 Q1 Q1	GZ GO				<del>                                     </del>
CD31890	Bid Review Period - CD Digesters Plant 2 Cluster 2	41		18-May-18 A			1 1		D Digesters Pla	
CD31900	Award Recommendation - CD Digesters Plant 2 Cluster 2			18-May-18 A			-			D Digesters Plant 2 Cluster 2
CD10760	Procurement - CD Digesters Plant 2 Cluster 2	385		09-Jul-18 A	1			◆ Award	Recommendati	ion CD Digesters Plant 2 Cluster 2
					1					Procurement - CD Digesters Plant 2 Cluster 2
CD31910	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2	89	,	09-Jul-18 A				Fin	al Approvals (BC	CC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2
CD82960	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2	0								◆ EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2
CD81130	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2	0		06-Dec-20*	ļļļļļ					◆ EPA Compliance Date for Procurement - CD Digesters Plant 2. Cluster 2 18-Jun-2:
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CD10978	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2	0	10-Jul-18 A					♦ Co	tractor Notice t	o Proceed (NTP) - CD Digesters Plant 2 Cluster 2
CD10980	Construction - CD Digesters Plant 2 Cluster 2	450	10-Jul-18 A	28-Aug-20						Construct
D86320	Commissioning - CD Digesters Plant 2 Cluster 2	14	15-Aug-20	28-Aug-20						Commissioning - CD Digesters Plant 2 Cluster 2
CD11170	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 2	0		28-Aug-20*						
D40150	Project Closeout - CD Digesters Plant 2 Cluster 2	60	29-Aug-20	27-Oct-20*	1					◆ Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2
D82970	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2	0			1		-			Project Closeout - CD Digesters Plant 2 Cluster 2
D81140	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 2	0		18-Jun-23*	1					◆ EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2
	EFA Compliance Date for Constitution - OD Digesters Frank 2 Gluster 2	-		27-Oct-20						
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034100	WASD Project Administration - CD Digesters Plant 2 Cluster 2	1837	,	27-Oct-20			1 1			. WASD Project Administration - QD Digesters Plant 2 Cluster 2 V 18-Jun-2:
.3 Cluster 3		2623		18-Jun-23	<u> </u>			в. в		▼ 18-Jun-2
Design		483	13-Apr-16 A	09-Aug-17 A	· ·	1 1	- 1	Pre-Design		
012191	Pre-Design - CD Digesters Plant 2 Cluster 3	484	13-Apr-16 A	09-Aug-17 A		, P	e-Desian - (	D Digesters	Plant 2 Cluster	
ineering De sign		509	09-Aug-17 A	07-Dec-18 A			77.7		07-Dec-1	3. 8 A Engineering Design
84250	Field Investigations - CD Digesters Plant 2 Cluster 3	31	09-Aug-17 A	08-Sep-17 A	1	1 1	- 1	;	Digesters Plant	
082980	EPA Start Date for Design - CD Digesters Plant 2 Cluster 3	0	-	· .	1	_	- ; ;	i i		
84260	100% Design Submittal - CD Digesters Plant 2 Cluster 3		11-Sep-17 A	25-Jan-18 A	1			! !	!!!!	Digesters Plant 2 Cluster 3
10300	Engineering Design - CD Digesters Plant 2 Cluster 3	203		14-Mar-18 A	1		10	00% Design		Didesters Plant 2 Cluster 3
					1					ring Design - CD Digesters Plant 2 Cluster 3
40460	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	22		14-Mar-18 A	1			100% Desi		nit Ready Submittal - CD Digesters Plant 2 Cluster 3
081150	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3	0		07-Dec-18 A	ļļļļ.				◆ EPA Con	np <mark>lance Date for Engineering Design - CD Digesters Plant 2 Cluster 3</mark>
mitting		574	-	07-Dec-19						VIOT-Dec-19, Permitting
85800	DERM Permit - CD Digesters Plant 2 Cluster 3	180	14-Mar-18 A	13-Apr-18 A				DERM P	ermit - CD Diges	sters Plant 2 Cluster 3
82990	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3	0	08-Dec-18 A							rt 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	1 : : : : :		; ;	!	2171 3101	Permitting -CD Digesters Plant 2 Cluster 3
085810	City of Miami Building Permit - CD Digesters Plant 2 Cluster 3	90	14-Apr-18 A	01-Apr-19 A	1					
081670	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3	0	· ·	07-Dec-19*	1					Oty of Miami Building Permit - CD Digesters Plant 2 Cluster 3
curement		680	08-Dec-18 A	06-Dec-20	- <b> </b>					◆ EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3
084080	Internal Rid Regions Review CD Disactor Blant 2 Chapter 2			22-Jan-19 A	1					
	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	31	-	22-Jaii-19 A	-				intem	al Bd Package Review - CD Digesters Plant 2 Cluster 3
031920	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3	0			1 1 1 1 1				◆ Desig	on 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	1 1 1 1 1				<b>=</b> 5	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3
031940	Advertise Bid Package - CD Digesters Plant 2 Cluster 3	0	02-May-19 A						: : :	Advertise Bid Package - CD Digesters Plant 2 Cluster 3
087200	Bid Postponement - CD Digesters Plant 2 Cluster 3	0	13-May-19 A							Bid Postponement - CD Digesters Plant 2 Cluster 3
083000	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3	0	08-Dec-19*		1					◆ EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3
D31950	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3	60	06-Jan-20*	05-Mar-20	1					Bid Solicitation Period - CD Digesters Plant 2 Cluster 3
031960	Bids Due - CD Digesters Plant 2 Cluster 3	0	06-Mar-20		1					
031970	Bid Review Period - CD Digesters Plant 2 Cluster 3	30		04-Apr-20	1					◆ Bids Due - CD Digesters Plant 2 Cluster 3
31980	Award Recommendation - CD Digesters Plant 2 Cluster 3	0	-	04-Apr-20	1 1 1 1 1					☐ Bid Review Period - CD Digesters Plant 2 Cluster 3
	·	-		·	1					◆ Award Recommendation - CD Digesters Plant 2 Cluster 3
10640	Procurement - CD Digesters Plant 2 Cluster 3		31-Jan-19 A	18-Jul-20						Procurement - CD Digesters Plant 2 Cluster 3
31990	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3	105	05-Apr-20	18-Jul-20	]		-			Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3
81170	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 3	0		06-Dec-20*						◆ EPA Compliance Date for Procurement - CD Digesters Plant 2. Cluster 3 18-Jun-2:
struction		1024	29-Aug-20	18-Jun-23						▼ 18-Jun-2
10878	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3	0	29-Aug-20							◆ Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3
83010	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3	0	07-Dec-20*		1					◆ EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3
10880	Construction - CD Digesters Plant 2 Cluster 3	450		21-Nov-21	1					Construction - CD Digesters Plant 2 Cluster 3
86330	Commissioning - CD Digesters Plant 2 Cluster 3	30		21-Nov-21	1					
11140	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 3	0		21-Nov-21*	1					Commissioning - CD Digesters Plant 2 Cluster 3
	, , , , , ,	90			1					◆ Substantial Completion (CD Compliance Date 6)
40160	Project Closeout - CD Digesters Plant 2 Cluster 3		-	19-Feb-22*	1					Project Closeout - CD Digesters Plant; 2 Cl
81180	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 3	0		18-Jun-23*	<b> </b>		<u></u>	<u> </u>	<u> </u>	▼ 19-Feb-22, Project Administration
ect Administration		1245		19-Feb-22						▼ 19-Feb-22, Projeα Administration
34110	WASD Project Administration - CD Digesters Plant 2 Cluster 3	1245	09-Aug-17 A	19-Feb-22				<u> </u>		WASD Project Administration - CD Digeste
4 Cluster 4		0	28-Jul-16 A	28-Jul-16 A	▼ 28-Jul-16 A, 2.		4			
Design		0	28-Jul-16 A	28-Jul-16 A	▼ 28-Jul-16 A, Pr	e-Design				
87020	Child Project Deleted as approved by EPA	0		28-Jul-16 A	A Okilal Dadicard B	olotod co c	oroved by F	DΛ		
Dewatering Bui		2959	02-Feb-15 A	10-Mar-23	◆ Child Project D	reten as ab	PIONER DY E	ιΔ		▼ 10-Mar-23, 2.16
		86		29-Apr-15 A	re-Design			<del> </del>	<del>  </del>	··· <del> </del>   ····; ····; ····; ····; ····; ····; ····; ····; ··; ···; ··; ··; ···; ···; ··; ··; ···; ···; ···; ··; ···; ···; ···; ···; ···; ···; ···; ···; ·
Design	Dra Degira CD Degrataria a Building			· ·						
12211	Pre-Design - CD Dewatering Building	87		29-Apr-15 A	D.Dewatering Building		Λιισ 3-3 × 3	English	Design	
neering Design		824		01-Aug-17 A		- U1	-Aug-17 A,	Engineering	nesiĝi	
21180	Basis of Design Report (BODR) - CD Dewatering Building	237	30-Apr-15 A	22-Dec-15 A	Basis of Design Report (BODF	R) - CD Dew	iterina Build	ling		
21190	BODR Review Period - CD Dewatering Building	36	23-Dec-15 A	27-Jan-16 A	BODR Review Period - CD		1 1			
10170	Engineering Design - CD Dewatering Building	335	30-Apr-15 A	29-Mar-16 A	POPILITENEM LEGIOG - CD			esign - CD [	ewatering Build	sin <mark>d</mark>
41110	Issue Final RDBS - CD Dewatering Building	0		29-Mar-16 A		1 1	-   -		July Dulk	
32720	Design Criteria Package Initial Submittal - CD Dewatering Building	90		26-Apr-16 A	♦ Issue Final RDBS - CD	1 1	1 1			
				· ·	Design Criteria Packa	-	1 1		Building	
32740	DCP Design Review - CD Dewatering Building	23	· ·	19-May-16 A	DCP Design Review	- CD Dewa	ering Buildir	ng		
83060	EPA Start Date for Engineering Design - CD Dewatering Building	0			◆ EPA Start Date for	Engineerind	Design - Cl	Dewatern	Building	
33660	Pilot Testing of Thickening Process - CD Dewatering Building	298	04-Jan-16 A	27-Oct-16 A	1 : : : : :		1 1		atering Building	
33000									.,	or <del>a c</del> ompany of the contract

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ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024
CD81390	EPA Compliance Date for Engineering Design - CD Dewatering Building	0		01-Aug-17 A	Q1         Q2         Q3         Q4         Q1         Q2<
Permitting	Er A Compliance Date for Engineering Design - CD Dewatering Duriding	1217	29-Jan-16 A	31-Aug-19	. ◆ EPA Compliance Date for Engineering Design - CD Dewatering Building.  ✓ 31-Aug-19, Permitting
	FDEP Permit - CD Dewatering Building	126		02-Jun-16 A	FDEP Permit - CD Dewatering Building
CD87150	FDEP Permit (Revised BODR) - CD Dewatering Building	60	19-Mar-19 A	31-Aug-19	FDEP: Permit (Revised BQDR) + CD Dewatering Building
Procurement		1624	29-Mar-16 A	16-Aug-20	▼ 16-Aug-20, Procurement
	RDBS Sent to Procurement - CD Dewatering Building	0			♦ RDBS Sent to Procurement - CD Dewatering Building
	Submit/Approve SBD Goals and Request to Advertise - CD Dewatering Building	113		19-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Dewatering Building
	Advertise RDBS - CD Dewatering Building	0		100 101	♦ Advertise RDB\$ - CD Dewatering Building
	Request for Qualifications - CD Dewatering Building	59		16-Sep-16 A	Request for Qualifications - CD Dewatering Building
	Qualifications Package Due - CD Dewatering Building  Qualification Review Period - CD Dewatering Building	91	17-Sep-16 A 17-Sep-16 A	16-Dec-16 A	◆ Qualifications Package Due - CD Dewatering Building
	Shortlist Published - CD Dewatering Building	0	17-0cp-10 A	16-Dec-16 A	Qualification Review Period - CD Dewatering Building
	Request for Proposals - CD Dewatering Building	101	24-Jan-17 A	04-May-17 A	◆ Shortlist Published - CD Dewatering Building
	Proposals Due - CD Dewatering Building	0	05-May-17 A		Request for Proposals - CD Dewatering Building  Proposals Due - CD Dewatering Building
CD33610	Proposal Review Period & Oral Presentations - CD Dewatering Building	112	05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentations - CD Dewatering Building
CD33620	Award Recommendation - CD Dewatering Building	0	25-Aug-17 A		Award Recommendation - CD Dewatering Building
CD33630	Contract Negotiations - CD Dewatering Building	53	25-Aug-17 A	17-Nov-17 A	Contract Negotiations - CD Dewatering Building
CD33640	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Dewatering Building	79	18-Nov-17 A	01-May-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Dewatering Building
	Bid Cancellation - CD Dewatering Building	0		30-May-18 A	◆ Bid Cancellation - CD Devatering Building
	TA Re-Negotiation and Approval - CD Dewatering Building	60	11-May-18 A	23-Jul-18 A	TA Re-Negotiation and Approval -CD Dewatering Building
	EPA Start Date for Procurement - CD Dewatering Building	0	02-Aug-18 A	20 4 12 4	◆ EPA Start Date for Procurement - CD Dewatering Building
	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20 40	09-Aug-18 A 19-Sep-18 A	28-Aug-18 A 08-Nov-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review, item to ISD/SBD for future solicitation, review and comments
	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB  Project Advertisement (after signed RTA) - CD Dewatering Building	40	19-9eh-10 H	08-Nov-18 A	Submit approved Review Item to SBD, Receipt of \$BD Worksheet, Request to Advertise; approval from WASD and OMB
	Select and Approve Competitive Selection Committee (CSC) - CD Dewatering Building	40	19-Sep-18 A	04-Jan-19 A	♦ Project Advertisement (after signed RTA) - CD Dew/atering Building
	Step 1 - Submittal Due Date - CD Dewatering Building	40	09-Nov-18 A	11-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - CD Dewatering Building
	Step 1 - Qualifications Evaluation/Meeting - CD Dewatering Building	30	12-Jan-19 A	06-Mar-19 A	Step 1 - Submittal Due Daté - CD Dewatering Building  Step 1 - Qualifications Evaluation/Meeting - CD Dewatering Building
CD87010	ssue DCP and Request for Proposals - CD Dewatering Building	15	12-Mar-19 A	19-Mar-19 A	Step D- adjalinations qualitations qualitation wheeling a continue of the step DCP and Request for Proposals - CD Dewatering Building
CD86860	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
CD86880	Step 2 Meeting - CD Dewatering Building	30	10-May-19 A	12-Jun-19 A	Step 2 Meeting - CD Dewatering Building
CD86870	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
	EPA Compliance Date for Procurement - CD Dewatering Building - CD Dewatering Building	0		01-Aug-19*	◆ EPA Compliance Date for Procurement - CD Dewatering Building - CD Dewatering Building
	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Dewatering Building	60		11-Aug-19	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Dewatering Building
	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)	40	- 3 -	20-Sep-19 19-Nov-19	Negotiation Memo Received from the County Mayor/County, Mayor's designed (WASD Director)
	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Dewatering Building	60	21-Sep-19 20-Nov-19	19-Nov-19 18-Jan-20	Negotiations Commence - Confract provided to Film (1st meeting) - CD Dewatering Building
	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Dewatering Building  Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	19-Jan-20	18-Mar-20	Negotiations Conduded (2nd meeting) and preparation of final Contract - CD Dewatering Building
	Submit Contract Award Recommendation/Contract for internal approvals -CD Dewatering Building	40	19-Mar-20	27-Apr-20	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures
	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Dewatering Building	90	28-Apr-20	26-Jul-20	Submit Contract Award Recommendation/Contract/for internal approvals - CD Dewatering Building
	Procurement - CD Dewatering Building	679	29-Mar-16 A	16-Aug-20	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Dewatering Building
CD85970	Repackage and Rebid Project - CD Dewatering Building	739	09-Aug-18 A	16-Aug-20	Repackage and Rebid Project -: CD Dewatering Building:
CD86960	ssue NTP - CD Dewatering Building	21	27-Jul-20	16-Aug-20	☐ Issue NTP - CD Dewatering Building
Design-Build		1317	02-Aug-19	10-Mar-23	▼ 10-Mar-23, Design-Build
	EPA Start Date for Construction - CD Dewatering Building	0	02-Aug-19*		◆ EPA Start Date for Construction + CD Dewatering Building
	Design-Builder NTP - CD Dewatering Building	0	17-Aug-20		◆ Design Builder NTP - CD Dewatering Building
	Final Engineering by Design-Builder - CD Dewatering Building	300	17-Aug-20	12-Jun-21	Final Engineering by Design-Builder, - CD Dewatering Building
	AHJ Permit Review - CD Dewatering Building Design-Builder Contract Duration - CD Dewatering Building	180 876	13-Feb-21	11-Aug-21 09-Jan-23	AHJ Permit Review - CD Dewatering Building
	Construction - CD Dewatering Building	696	17-Aug-20 13-Feb-21	09-Jan-23	Design-Builder Contract Duration Construction - CD Deswatering B
	Commissioning - CD Dewatering Building	30	11-Dec-22	09-Jan-23	
	Substantial Completion (CD Compliance Date 1/13/23) - CD Dewatering Building	0	<u></u>	09-Jan-23*	□ Commissioning;-CD ⊅ewatering  ◆ Substantial Completion (CD/Con
	EPA Compliance Date for Construction - CD Dewatering Building	0		13-Jan-23*	<ul> <li>Substantial completion (CD/Cor</li> <li>◆ EPA Compliance Date for Const</li> </ul>
	Project Closeout - CD Dewatering Building	60	10-Jan-23	10-Mar-23*	
Project Administration		2086	30-Apr-15 A	10-Mar-23	Project Closeout - CD Dewa 10-Mar-23, Project Administ
CD34130	WASD Project Administration - CD Dewatering Building	2086	•	10-Mar-23	WASD Project Administration
2.17 Chlorination Facilit	ties	1856	01-Oct-13 A	30-Sep-19	▼ 30-Şep-19, 2.17 Chlorination Facilities
Engineering Design		836	01-Oct-13 A	15-Jan-16 A	7 15-Jan-16 A, Engineering Design
	EPA Start Date for Engineering Design - CD Chlorination Facilities**	0	01-Oct-13 A		on Facilities**
	EPA Compliance Date for Engineering Design - CD Chlorination Facilities**	0	04.0 : : : :	07-Sep-14 A	neering Design - CD Chlorination Facilities**
	Evaluation of Design Alternatives - CD Chlorination Facilities	344	01-Oct-13 A	09-Sep-14 A	es - CD Chlqrination Facilities
	Basis of Design Report (BODR) - CD Chlorination Facilities	91	18-Feb-15 A	19-May-15 A	in Report (BODR) - CD Chlorination Facilities
	BODR Review Period - CD Chlorination Facilities  Negotiate Scope and Cost with MWH - CD Chlorination Facilities	16 88	28-May-15 A 23-Mar-15 A	12-Jun-15 A 18-Jun-15 A	w Period - CD Chlorination Fabilities
	60% Design Submittal - CD Chlorination Facilities	78		03-Sep-15 A	cope and Cost with MWH - CD Chlorination Facilities
	60% Design Review - CD Chlorination Facilities	78	04-Sep-15 A	10-Sep-15 A	esign Submittal - CD Chlorination Facilities
	100% Design Submittal - CD Chlorination Facilities	43	•	23-Oct-15 A	Design Review - CD Chlorination Facilities
	Engineering Design - CD Chlorination Facilities	777	·	16-Nov-15 A	1% Design Şubmittal - CD Chlorination Facilities  ngindering Design - CD Chlorination Facilities
	100% Design Review/Permit Ready Submittal - CD Chlorination Facilities	17		16-Nov-15 A	00% Design Review/Permit Ready Submittal - CD Chlorination Facilities
CD32610	Develop Equipment Pre-Purchase RTU Packages - CD Chlorination Facilities	212	18-Jun-15 A	15-Jan-16 A	
Permitting		691	08-Sep-14 A	30-Jul-16 A	Develop Equipment Pre-Putchase RTJ Packages - CD Chlorination Facilities.
	EPA Start Date for Permitting - CD Chlorination Facilities	0	08-Sep-14 A		CD Chlorination Facilities
CD10250	Permitting - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A	Permitting - CD Chlorination Facilities
CD80050	City of Miami Building Permit - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A	

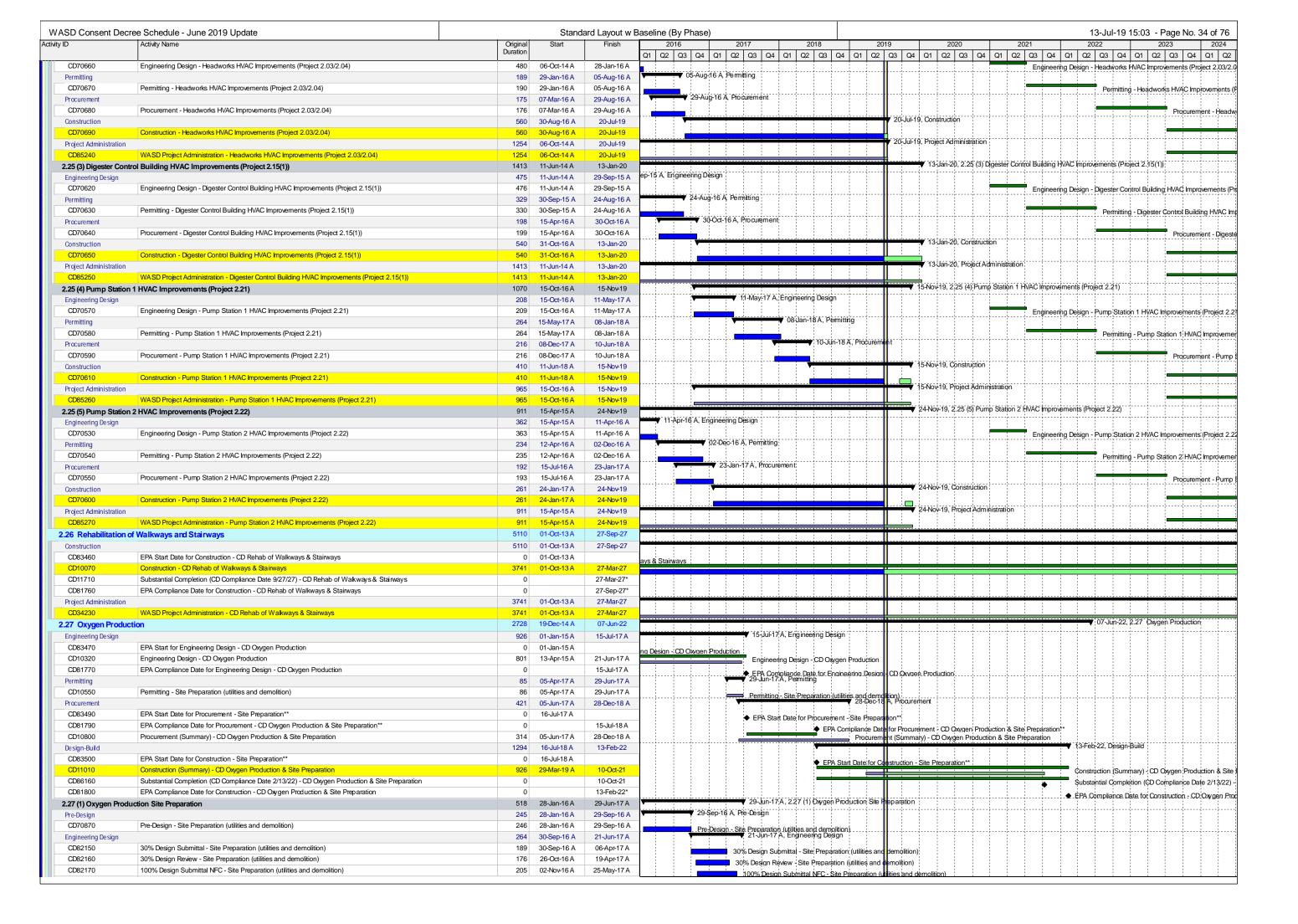
	cree Schedule - June 2019 Update				aseline (By Phase) 13-Jul-19 15:03 - Page No. 29 of 76
tivity ID	Activity Name	Original Duration	Start	Finish	2016   2017   2018   2019   2020   2021   2022   2023   2024
CD81440	EPA Compliance Date for Permitting - CD Chlorination Facilities	0		30-Jul-16 A	<del></del>
Procurement	21.77 COMPRISING DATE OF THIRMING CONTINUES OF CHIRALIST PAGENCE	582	16-Nov-15 A	20-Jun-17 A	Date for Permitting - CD Chlorination Facilities.    Z0-Jun-17 A, Procurement
CD32160	Design Documents Sent to Procurement - CD Chlorination Facilities	0	16-Nov-15 A		esign Documents Sent to Produrement - CD Chlorination Fadilities
CD32170	Submit/Approve SBD Goals and Request to Advertise - CD Chbrination Facilities	42	16-Nov-15 A	27-Dec-15 A	Submit/Approve SBD Goals and Request to Advertise - CD Chlorination Facilities
CD32180	Advertise Bid Package - CD Chlorination Facilities	0	28-Dec-15 A		Advertise Bid Package - CD Chlorination Facilities
CD32190	Bid Solicitation Period - CD Chlorination Facilities	42	28-Dec-15 A	07-Feb-16 A	■ Bid Solicitation Period - CD Chlorination Facilities
CD32200	Bids Due - CD Chlorination Facilities	0	08-Feb-16 A		♦ Bids Due - CD Chlomation Facilities
CD83120	EPA Start Date for Procurement - CD Chlorination Facilities	0	08-Feb-16 A		♦ EPA Start Date for Procurement - CD Chlorination Facilities
CD32210	Bid Review Period - CD Chlorination Facilities	14	08-Feb-16 A	21-Feb-16 A	Bid Review Period - CD Chlorination Facilities
CD32220	Award Recommendation - CD Chlorination Facilities	0		22-Feb-16 A	◆ Award Recommendation - CD Chlorination Facilities
CD10260	Procurement - CD Chlorination Facilities	135	16-Nov-15 A	29-Mar-16 A	Procurement - CD Chlorination Facilities
CD32230	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities	37	22-Feb-16 A	29-Mar-16 A	Fina) Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities
CD81450 CD33070	EPA Compliance Date for Procurement - CD Chlorination Facilities  Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities	250	16-Jan-16 A	06-Sep-16 A 21-Sep-16 A	◆ EPA Compliance Date for Procurement - CD Chlorination Facilities
CD33100	VendorNTP (RTU) - CD Chlorination Facilities	250	10-Jan-10 A	21-Sep-16 A 21-Sep-16 A	Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities
CD32600	Owner Pre-Purchase RTU - CD Chlorination Facilities	522	16-Jan-16 A	20-Jun-17 A	♦ Vendor NTP (RTU) - CD Chorination Facilities
CD33110	Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities	273	21-Sep-16 A	20-Jun-17 A	Owner Pre-Purchase RTU - CD Chlorination Fadilities
Construction	Tablicate a point in the addition to the opening in a second in a	926	18-Apr-16 A	30-Sep-19	Fabricate & Deliver Pre-Purchase RTUs - CD Chigrination Facilities.  7 30-Sep-19, Construction
CD10498	Contractor Notice to Proceed (NTP) - CD Chlorination Facilities	0	18-Apr-16 A		1
CD83130	EPA Start Date for Construction - CD Chlorination Facilities	0	07-Sep-16 A		◆ Contractor Notipe to Proceed (NTP) - CD Chlorination Facilities     ◆ EPA Start Date for Construction - CD Chlorination Facilities
CD10500	Construction - CD Chlorination Facilities	580	18-Apr-16 A	27-Jul-18 A	Cohstruction - CD Chlorination Facilities
CD86350	Commissioning - CD Chlorination Facilities	30	· · · · · · · · · · · · · · · · · · ·	27-Jul-18 A	Commissioning - CD Chlorination Facilities
CD10700	Substantial Completion (CD Compliance Date 10/15/18) - CD Chlorination Facilities	0		27-Jul-18 A	
CD81460	EPA Compliance Date for Construction - CD Chlorination Facilities	0		15-Oct-18 A	
CD40190	Project Closeout - CD Chlorination Facilities	15	11-Aug-18 A	30-Sep-19*	Project Closeout - CD Chlorination Facilities.  30-Sep-19, Project Admnistration
Project Administration	1	1600	01-Oct-13 A	30-Sep-19	30-Şep-19, Project Administration
CD34140	WASD Project Administration - CD Chlorination Facilities	1600	01-Oct-13 A	30-Sep-19	WASD Project Administration - CD Chlorination Facilities
2.18 Odor Control S	Systems	3078	06-Oct-14 A	10-Mar-23	▼ 10-Mar-23, 2.18 Odor Contro
Engineering Design		985	06-Oct-14 A	17-Jun-17 A	17-Jýn-17 Å, Engineering Design
CD10280	Engineering Design - CD Odor Control Systems	541	06-Oct-14 A	29-Mar-16 A	Engineering Design - CD Oddr Control Systems
CD83140	EPA Start Date for Engineering Design - CD Odor Control Systems	0	01-Oct-16 A		♦ EPA Start Date for Engineering Design - CD Odor Control Systems
CD81470	EPA Compliance Date for Engineering Design - CD Od or Control Systems	0		17-Jun-17 A	◆ EPA Compliance Date for Engineering Design - CD Odor Control Systems.
Permitting		883	29-Jan-16 A	17-Jun-18 A	{
CD10410	Permitting (Summary) - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A	Permitting (Summary) - CD Odor Control Systems
CD83150	EPA Start Date for Permitting - CD Odor Control Systems	0	18-Jun-17 A	47 lun 40 A	◆ EPA Start Date for Permitting - CD Odor Control Systems
CD81480	EPA Compliance Date for Permitting - CD Odor Control Systems	1210	07 Mar 46 A	17-Jun-18 A	◆ EPA Compliance Date of Permitting - CD Odor Control Systems.      ▼ 16-Aug-20, Procurement
Procurement	EDA Ctot Data for Dragurament CD Oder Control Cinterna	1210		16-Aug-20	
CD83160 CD81490	EPA Start Date for Procurement - CD Odor Control Systems  EPA Compliance Date for Procurement - CD Odor Control Systems - CD Odor Control Systems	0	18-Jun-18 A	17-Jun-19 A	◆ EPA Start Date for Produrement - CD Odor Control Systems
CD10650	Procurement (Summary) - CD Odor Control Systems - CD Odor Control Systems	701	07-Mar-16 A	16-Aug-20	EPA Compliance Date for Procurement - CD Odor Control Systems - CD Odor COntrol Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odor Control Systems - CD Odo
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CD83170	EPA Start Date for Construction - CD Odor Control Systems	0	18-Jun-19 A		◆ EPA Start Date for Construction - CD Odor Control Systems
CD10890	Construction (Summary) - CD Odor Control Systems	1508	30-Aug-16 A	09-Jan-23	Construction (Summary) - CD Odd
CD11070	Substantial Completion (CD Compliance Date 1/13/23) - CD Odor Control Systems	0		09-Jan-23*	♦ Substantial Completion (CD/Comp
CD81500	EPA Compliance Date for Construction - CD Odor Control Systems	0		13-Jan-23*	
Project Administration	1	2292	06-Oct-14 A	10-Mar-23	▶ EPA Compliance Date for Construent of the Con
CD34150	WASD Project Administration - CD Odor Control Systems	2292	06-Oct-14 A	10-Mar-23	WASD Project Administration
2.18 (1) Headworks C	Odor Controls System (Project 2.03/2.04)	1315	06-Oct-14 A	20-Jul-19	20-Jul-19, 2.18 (1) Headworks Odor Controls System (Project 2.03/2.04)
Engineering Design		479	06-Oct-14 A	28-Jan-16 A	▼ 28-Jan-16 A, Engineering Design
CD21270	Engineering Design (Headworks) - CD Odor Control Systems	480	06-Oct-14 A	28-Jan-16 A	Engineering Design (Headworks) - CD Odor Control Systems  O5-Aug-16 A Permitting
Permitting		189	29-Jan-16 A	05-Aug-16 A	V⊋-Aug-16 A, Pemiting
CD40410	Permitting (Headworks) - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A	Permitting (Headworks) - CD Odor Cortrol Systems  Z9-Aug-16 A, Procurement
Procurement	Description and (I load reading) CD Odes Control Control	175	07-Mar-16 A	29-Aug-16 A	Y ZOZNOWION, FIDURGINGIN
CD32250	Procurement (Headworks) - CD Odor Control Systems	176	07-Mar-16 A	29-Aug-16 A	Procurement (Headworks) - CD Odor Control Systems 20-Jul-19, Construction
Construction CD40430	Construction (Headworks) - CD Odor Control Systems	560		20-Jul-19	
	Construction (Headworks) - CD Odor Control Systems	560 621	30-Aug-16 A 06-Oct-14 A	20-Jul-19* 20-Jul-19	Construction (Headworks) - CD Odor Control Systems 20-Jul-19, Project Administration
Project Administration CD85200	WASD Project Administration - CD Odor Control Systems		06-Oct-14 A	20-Jul-19 20-Jul-19	
	Odor Control System (Project 2.16)	2871	01-May-15 A	10-Mar-23	. WASD Project Administration - CD Odor, Control Systems. ▼ 10-Mar-23, 2.18 (2) Dewaterii
Engineering De sign	Outri Control Dystem (i Toject Z. 10)	333	•	29-Mar-16 A	29-Mar-16 A, Engineering Design
CD21290	Engineering Design (Dewatering) - CD Odor Control Systems	334	01-May-15 A	29-Mar-16 A	
Procurement	5	679	29-Mar-16 A	16-Aug-20	Engineering Design (Dewatering) - CD Odor Control Systems.   16-Aug-20, Procurement
CD32270	Procurement (Dewatering) - CD Odor Control Systems	679		16-Aug-20	
Construction		936	17-Aug-20	10-Mar-23	Procurement (Dewatering) CD Odor Control Systems 10-Mar-23, Construction
CD85980	Final Engineering by Design-Builder - CD Odor Control Systems	300	17-Aug-20	12-Jun-21	
CD85990	AHJ Permit Review - CD Odor Control Systems	180	13-Feb-21	11-Aug-21	Final Engineering by Design-Builder, - CD Odor Control Systems
CD40440	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems	876	17-Aug-20	09-Jan-23	AHJ Permit Review - CD Odor Control Systems  Design-Builder Contract Duration
CD86000	Construction - CD Odor Control Systems	696	13-Feb-21	09-Jan-23	Construction - CD Odor Control S
CD40200	Project Closeout - CD Odor Control Systems	60	10-Jan-23	10-Mar-23*	
Project Administration	1	818	01-May-15 A	10-Mar-23	Project Closeout - CD Odor Co
CD85210	WASD Project Administration - CD Odor Control Systems	818	01-May-15 A	10-Mar-23	WASD Project Administration
2.19 Co-Gen Improv	ovements	2745	22-Nov-12 A	28-May-20	▼ 28-May-20, 2.19 Co-Gen Improvements
2.15 GO GCITIIIIpi G					14-Nov-16 A, Engineering Design

. ID	ree Schedule - June 2019 Update	Original			Baseline (By Phase) 13-Jul-19 15:03 - Page No. 3
y ID	Activity Name	Original Duration	Start	Finish	2016
CD83180	EPA Start Date for Engineering Design - CD Co-Gen Improvements	0	01-May-14 A		<del>1                                      </del>
CD10140	Engineering Design - CD Co-Gen Improvements		22-Nov-12 A	31-Oct-16 A	CD Co-Gen Improvements Engineering Design - CD Co-Gen Improvements
CD81510	EPA Compliance Date for Engineering Design - CD Co-Gen Improvements	0		14-Nov-16 A	<del>                                     </del>
Permitting		1663	12-Mar-13 A	29-Sep-17 A	<ul> <li>◆ EPA Compliance Date for Engineering Design - CD Co-Gen Improvements.</li> <li>29-Sep-17 A, Permitting</li> </ul>
CD83190	EPA Start Date for Permitting - CD Co-Gen Improvements		18-Aug-15 A	1 11	<u> </u>
CD10470	Permitting - CD Co-Gen Improvements		12-Mar-13 A	04-Aug-17 A	art Date for Permitting - CD Co-Gen Improvements Permitting - CD Co-Gen Improvements
CD81520	EPA Compliance Date for Permitting - CD Co-Gen Improvements	0		29-Sep-17 A	
Procurement	2177 Compliance Bate for Fermitality CB CC Commission Control Commission Care Care Care Care Care Care Care Care	1480	12-Mar-14 A	29-Nov-18 A	
	EDA Charl Data for Dron vermant. CD Co Con Improvements			29-110V-10 A	4
CD83200	EPA Start Date for Procurement - CD Co-Gen Improvements	0	17-Aug-16 A	20.14 40.4	♦ EPA Start Date for Procurement - CD Co-Gen Improvements
CD81530	EPA Compliance Date for Procurement - CD Co-Gen Improvements	0		30-Mar-18 A	
CD10480	Procurement - CD Co-Gen Improvements	1426	12-Mar-14 A	29-Nov-18 A	Procuirement - CD/Co-Gén Improvements
Construction		2123	30-Jul-14 A	21-May-20	21-May-20, Construction
CD83210	EPA Start Date for Construction - CD Co-Gen Improvements	0	31-Aug-17 A		◆ EPA Start Date for Construction - CD/Co-Gen Improvements
CD10680	Construction - CD Co-Gen Improvements	1746	30-Jul-14 A	10-Apr-20	Construction - CD Co-Gen Improvements
CD11030	Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Improvements	0		10-Apr-20*	♦ Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Improvements
CD81540	EPA Compliance Date for Construction - CD Co-Gen Improvements	0		21-May-20*	◆ Substantial Compliance Date for Construction - CD Co-Gen Improvements
2.19 (1) Co-Gen Gene	erator Replacement	1161	22-Nov-12 A	27-Jan-16 A	▼ 27-Jan-16 A, 219 (1) Co-Gen Generator Peplacement
Engineering De sign			22-Nov-12 A	10-Mar-14 A	
CD12001	Engineering Design - CD Co-Gen Generator Replacement		22-Nov-12 A	10-Mar-14 A	<b>1</b>
Permitting	=g		12-Mar-13 A	11-Mar-14 A	r Replacement
_	Pomitting - CD Co Con Congretor Pontament				
CD12011	Permitting - CD Co-Gen Generator Replacement		12-Mar-13 A	11-Mar-14 A	Prometry in the state of the st
Procurement			12-Mar-14 A	30-Jul-14 A	
CD12021	Procurement - CD Co-Gen Generator Replacement	141	12-Mar-14 A	30-Jul-14 A	ator Replacement ▼ 27-Jan-16 A, Construction
Construction		546	30-Jul-14 A	27-Jan-16 A	▼ 21√311-10 A, COISHIUGION
CD12031	Construction - CD Co-Gen Generator Replacement	547	30-Jul-14 A	27-Jan-16 A	Construction - CD Co-Gen Generator Replacement
CD12041	2.19 (1) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Generator Replacement	0		27-Jan-16 A	♦ 2.19 (1) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Generator Replacement.  ▼ 27-Jan-16 A, Project Administration
Project Administration		1161	22-Nov-12 A	27-Jan-16 A	▼ 27-Jan-16 A, Project Administration
CD34160	WASD Project Administration - CD Co-Gen Generator Replacement	1162	22-Nov-12 A	27-Jan-16 A	WASD Project Administration - CD.Co-Gen Generator Replacement
2.19 (2)a Co-Gen Bioo	gas Treatment Facilities	1988	19-Dec-14 A	28-May-20	WASD Project Administration — Section Replacement   ✓ 28-May-20, 2.19 (2)a Cd-Gen Biogas Treatment Facilities   ✓ 28-May-20, 28-May-2
Pre-Design	and incoming the community of the commun		19-Dec-14 A	11-Dec-15 A	11-Dec-15 A, Pre-Design
CD12231	Pre-Design - CD Co-Gen Biogas Treatment Facilities		19-Dec-14 A	03-Jun-15 A	<del>-</del>
	•				CD Co-Gen Biogas Treatment Facilities
CD30320	Negotiate Final Design - CD Co-Gen Biogas Treatment Facilities		25-Sep-15 A	11-Dec-15 A	Negotiate Final Design : CD.Co-Gen Biogas Treatment Facilities
Engineering Design			04-Jun-15 A	02-Sep-16 A	V2-Sep-10 A Engineering Design
CD21650	Alternatives Analysis Report - CD Co-Gen Biogas Treatment Facilities		04-Jun-15 A	30-Sep-15 A	hatives Analysis Report + CD Co-Geri Bioga's Treatment Facilities
CD33680	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities	70	17-Dec-15 A	24-Feb-16 A	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities
CD21660	BODR Review Period - CD Co-Gen Biogas Treatment Facilities	7	25-Feb-16 A	02-Mar-16 A	BODR Review Period - CD Co-Gen Biogas (Freatment Facilities
CD21690	60% Design Submittal - CD Co-Gen Biogas Treatment Facilities	47	14-Mar-16 A	29-Apr-16 A	60% Design Submittal - CD Co-Gen Biogas Treatment Facilities
CD21700	60% Design Review - CD Co-Gen Biogas Treatment Facilities	7	30-Apr-16 A	06-May-16 A	60% Design Review - CD Co-Geh Biodas Treatment Facilities
CD21710	100% Design Submittal - CD Co-Gen Biogas Treatment Facilities	102	07-May-16 A	16-Aug-16 A	100% Design Newewin 2D co-Gen Biogas Treatment Facilities
CD12101	Engineering Design - CD Co-Gen Biogas Treatment Facilities	457	04-Jun-15 A	02-Sep-16 A	I i i i "i i i i i i i i i i i i i i i i
CD40490	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities			02-Sep-16 A	Engineering Design - CD Co-Gen Biogas Treatment Facilities
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CD80250	FDEP Permit - CD Co-Gen Biogas Treatment Facilities		10-May-16 A	22-Jun-16 A	■ FDEP Permit - CD Co-Gen Biogas Treatment Facilities
CD71060	DERM Permit - CD Co-Gen Biogas Treatment Facilities		06-Sep-16 A	15-Sep-16 A	■ DERM Permit - CD Co-Gen Biogas Treatment Facilities
CD83520	ERP Permit - CD Co-Gen Biogas Treatment Fac1ities	68	08-Sep-16 A	14-Nov-16 A	ERP Permit - CD Co-Gen Biogas Treatment Facilities
CD83510	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities	56	18-Oct-16 A	12-Dec-16 A	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities
CD12111	Permitting - CD Co-Gen Biogas Treatment Facilities	409	10-May-16 A	22-Jun-17 A	Permitting CD Co-Gen Biogas Treatment Facilities
CD82320	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities	270	26-Sep-16 A	22-Jun-17 A	
Procurement		293	16-Sep-16 A	06-Jul-17 A	City of Miami. Pełmit - CD. Co-Gen. Biogas. Treatment FacIitie's.
CD30690	Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities		16-Sep-16 A		A Docian Deguments Sout to Programment OD Co Con Pieses Treatment Equilies
CD30700	Submit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities		16-Sep-16 A	16-Nov-16 A	◆ Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities
CD30710	Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities		17-Nov-16 A	1	\$ubmit/Approve SBD Goals and Request to Advertise - CD Co Gen Biogas Treatment Facilities
CD30720	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities		17-Nov-16 A	15-Feb-17 A	★ Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities
CD30720 CD30730	Bids Due - CD Co-Gen Biogas Treatment Facilities	-	16-Feb-17 A	10-1 60-17 A	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities
	· ·			00.84 17.1	♦ Bids Due - CD Co-Gen Biogas Treatment Facilities
CD30740	Bid Review Period - CD Co-Gen Biogas Treatment Facilities	19	16-Feb-17 A	06-Mar-17 A	■ Bid Review Period - CD Co-Gen Biogas Treatment Faculties
CD30750	Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		06-Mar-17 A	♦ Award Recommendation - CD Co-Gen Biogas Treatment Facilities
CD84830	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		29-Jun-17 A	♦ Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities
CD12121	Procurement - CD Co-Gen Biogas Treatment Facilities		16-Sep-16 A	06-Jul-17 A	Procurement - CD Co-Gen Biogas Treatment Facilities
CD30760	Final Approvals - CD Co-Gen Biogas Treatment Facilities	122	07-Mar-17 A	06-Jul-17 A	Final Approvals - CD Co-Gen Biogas Treatment Facilities
Construction		1044	20-Jul-17 A	28-May-20	▼ 28-May-20, Construction
CD12130	Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities	0	20-Jul-17 A		◆ Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities
CD83530	Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities	0		26-Mar-19 A	<b>1</b>
CD12131	Construction - CD Co-Gen Biogas Treatment Facilities	660	20-Jul-17 A	30-Sep-19	♦ Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities
	Commissioning - CD Co-Gen Biogas Treatment Facilities		26-May-19 A	28-Feb-20	Construction - CD Co-Gen Biogas Treatment Facilities
		0	Lo May 15A	28-Feb-20*	Commissioning - CD Co-Gen Biogas; Treatment Facilities
CD86360	2.19 (2a) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities	-	00 5 1 55		◆ 2.19 (2a) Substanțial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatm
CD86360 CD12141	Project Closeout - CD Co-Gen Biogas Treatment Facilities	90	29-Feb-20	28-May-20*	Project Closeout - CD Co-Gen Biogas Treatment Facilities
CD86360 CD12141 CD40210		1527	04-Jun-15 A	28-May-20	Zo-wiay-zu, Project Administration
CD86360 CD12141 CD40210 Project Administration				20 May 20	WASD Project Additionary in CO. Con Biograph Treatment Englished
CD86360 CD12141 CD40210	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities		04-Jun-15 A	28-May-20	
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CD86360 CD12141 CD40210 Project Administration CD34170		1488		-	▼ 31-Oct-16 A, Engineering Design
CD86360 CD12141 CD40210 Project Administration CD34170 2.19 (2)b Co-Gen Res		1488	14-Apr-16 A	10-May-20	▼ 31-Oct-16 A, Engineering Design
CD86360 CD12141 CD40210 Project Administration CD34170 2.19 (2)b Co-Gen Res Engineering Design	stroom and Building Rehab	1488 200 28	14-Apr-16 A 14-Apr-16 A 14-Apr-16 A	10-May-20 31-Oct-16 A	■ Draft Basis of Design Report (BODR) -CD Co-Gen Restroom and Building Rehab  ■ BODR Review Period - CD Co-Gen Restroom and Building Rehab

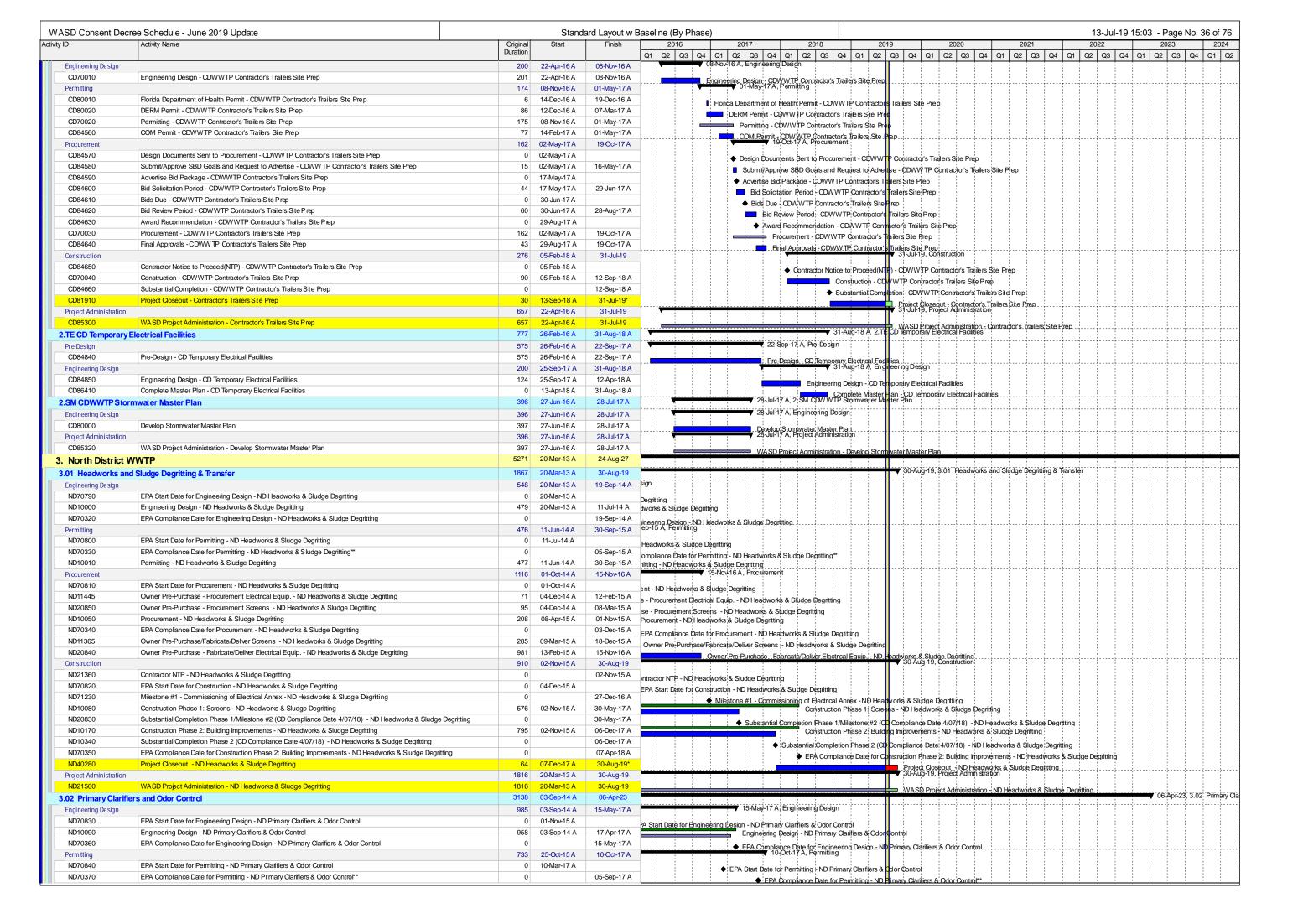
WASD Consent Decr	ree Schedule - June 2019 Update	Star	ndard Layout w F	Baseline (By Phase) 13-Jul-19 15:03 - Page No. 31 of 76
Activity ID	Activity Name	Original Start Duration	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q3 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
CD71000	60% Design Submittal - CD Co-Gen Restroom and Building Rehab	59 09-Jun-16 A	06-Aug-16 A	60% Design Submittal - CD Co-Gen Restroom and Building Rehab
CD71010	60% Design Review - CD Co-Gen Restroom and Building Rehab	14 07-Aug-16 A	20-Aug-16 A	■ 60% Design Review - CD Co-Gen Restroom and Building Rehab
CD71020	100% Design Submittal - CD Co-Gen Restroom and Building Rehab	26 21-Aug-16 A	15-Sep-16 A	■ 100% Design Submittal - CD Co-Gen Restroom and Building Rehab
CD82110	Engineering Design - CD Co-Gen Restroom and Building Rehab	201 14-Apr-16 A		Engineering Design - CD Co-Gen Restroom and Building Rehab
CD71030	100% Design Review/Permit Ready Submittal - CD Co-Gen Restroom and Building Rehab	46 16-Sep-16 A		100% Design Review/Permit Ready Submittal - CD Co-Gen Restroom and Building Rehab.  Od-Aug-17 A Permitting
Permitting		276 01-Nov-16 A		▼ Vol-Aug-1/ A remining
CD71050	RER Permit - CD Co-Gen Restroom and Building Rehab	52 01-Nov-16 A		RER Permit - CD Co-Gen Restroom and Building Rehab
CD82100	Permitting - CD Co-Gen Restroom and Building Rehab	277 01-Nov-16 A		Permitting - CD Co-Gen Restroom and Building Rehab
CD81960 Procurement	City of Miami Permit - CD Co-Gen Restroom and Building Rehab	213 04-Jan-17 A 624 03-Feb-17 A		City of Miami Permit - CD Co-Gen Restroom and Building Rehab  ✓ 29-Nov-18 A, Procurement
CD84160	GMOU submittal and approval - CD Co-Gen Restroom and Building Rehab	20 03-Feb-17 A		┨ : : : : : : : : : : : : : : :
CD84100	Internal Bid Package Review - CD Co-Gen Restroom and Building Rehab	13 05-Aug-17 A		GMOU submittal and approval - CD Co-Gen Restroom and Building Rehab
CD81970	Design Documents Sent to Procurement - CD Co-Gen Restroom and Building Rehab	0 18-Aug-17 A	-	■ Internal Bid Package Review - CD Co-Gen Restroom and Building Rehab
CD82330	SBD Goals / OCI Reviews and Provides List - CD Co-Gen Restroom and Building Rehab	39 18-Aug-17 A		◆ Design Documents Sent to Procurement - CD Co-Gen Restroom and Building Rehab     SBD Goals / OCl Reviews and Provides List - CD Co-Gen Restroom and Building Rehab
CD81990	Advertise Bid Package - CD Co-Gen Restroom and Building Rehab	0 26-Sep-17 A		Sab Goals / Oct Reviews and Provides List - Cb Co-gen Restroom and Building Rehab     Advertise Bid Package - CD Co-Gen Restroom and Building Rehab
CD82000	Bid Solicitation Period - CD Co-Gen Restroom and Building Rehab	42 26-Sep-17 A	18-Jan-18 A	■ Bid Solicitation Period - CD/Co-Gen Restroom and Building Rehab
CD82010	Bids Due - CD Co-Gen Restroom and Building Rehab	0 19-Jan-18 A		◆ Bids Due - CD Co-Gen Restroomland Building Rehab
CD82020	Bid Review Period - CD Co-Gen Restroom and Building Rehab	32 19-Jan-18 A	14-Feb-18 A	■ Bid Review Period - CD Co-Gen Restroom and Building Rehab
CD85500	Bids Cancelled - CD Co-Gen Restroom and Building Rehab	0	14-Feb-18 A	♦ Bids Cancelled - CD Co-Gen Restroom and Building Rehab
CD85510	Bid Documents Revised (for Bid#2) - CD Co-Gen Restroom and Building Rehab	20 15-Feb-18 A	22-Feb-18 A	■ Bid Documents Revised (for Bid#2) - CD Co-Gen Restroom and Building Rehab
CD85520	Design Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0 22-Feb-18 A		◆ Design Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab
CD85530	SBD Goals / OCI Reviews and Provides List (for Bid#2) - CD Co-Gen Restroom and Building Rehab	20 23-Feb-18 A	25-Feb-18 A	I SBD Goals / OCI Reviews and Provides List (for Bid#2) → CD Co-Gen Restroom and Building Rehab
CD85540	Advertise Bid Package (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0 26-Feb-18 A		♦ Advertise Bid Package (for Bid#2) - CD Co-Gen Restroom and Building Rehab
CD85550	Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab	45 26-Feb-18 A	<u> </u>	Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab
CD85560	Bid Due (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0 06-Apr-18 A		♦ Bid Due (for Bid#2) - QD Co Gen Restroom and Building Rehab
CD85570	Bid Review Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab	30 06-Apr-18 A	-	■ Bid Review Périod (for Bid#2) - CD Co-Gen Restroom and Building Réhab
CD82030	Bids Rejected (for Bid#2)- CD Co-Gen Restroom and Building Rehab	0	08-May-18 A	♦ Bids Rejected (for Bid#2)- DC G-Gen Restroom and Building Rehab
CD86010	Bid Documents Revised (for Bid#3) - CD Co-Gen Restroom and Building Rehab	7 08-May-18 A		■ Bid Documents Revised for Bid#3) -CD Co-Gen Restroom and Building Rehab
CD86020	Design Documents Sent to Procurement (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0 08-Jun-18 A		◆ Design Documents Sent to Procurement (for Bid#3) - CD Co-Gen Restroom and Building Rehab
CD86030 CD86040	SBD Goals / OCI Reviews and Provides List (for Bid#3) - CD Co-Gen Restroom and Building Rehab  Advertise Bid Package (for Bid#3) - CD Co-Gen Restroom and Building Rehab	30 06-Jun-18 A 0 14-Jun-18 A		SBD Goals / OCI Reviews and Provides List (for Bid#3)- CD Co-Gen Restroom and Building Rehab
CD86040 CD86050	Bid Solicitation Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab	45 14-Jun-18 A		◆ Advertise Bid Padkage for Bid#3) - CD Co;Gen Restroom and Building Rehab
CD86060	Bid Due (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0 27-Jul-18 A	20-001-10-A	Bid Solicitation Period (for Bid#3), - CD Co-Gen Restroom and Building Rehab
CD86070	Bid Review Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab	30 27-Jul-18 A	29-Aug-18 A	Bid Due (for Bid#3) - CD Co-Gen Restroom and Building Rehab
CD86080	Award Recommendation (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	29-Aug-18 A	Bid Review Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab
CD82040	Procurement - CD Co-Gen Restroom and Building Rehab	81 18-Aug-17 A		◆ Award Recommendation (for Bid#3) - CD Co-Gen Restroom and Building Rehab
CD82050	Final Approvals (BCC, Mayor, Risk Mgmt.) -CD Co-Gen Restroom and Building Rehab	24 26-Aug-18 A		Procutement - CD/Co-Gen Restroom and Building Rehab
Construction		498 30-Nov-18 A		Final Approv <mark>als (BCC, Mayor, Risk Mgmt,) -CD Co-Gen Restroom and Building Rehab.   ▼ 10-May-20, Construction</mark>
CD82060	Contractor Notice to Proceed (NTP) - CD Co-Gen Restroom and Building Rehab	0 30-Nov-18 A		◆ Contractor Notice to Proceed (NTP) -;CD Co-Gen;Restroom and Building Rehab;
CD82070	Construction - CD Co-Gen Restroom and Building Rehab	300 30-Nov-18 A	10-Apr-20	Construction - CD Co-Gen Restroom and Building Rehab
CD86370	Commissioning - CD Co-Gen Restroom and Building Rehab	30 12-Mar-20	10-Apr-20	Commissioning:- CD Co-Gen Restroom and Building Rehab
CD82080	2.19 (2b) Substantial Completion (CD Compliance Date 5/21/20) -CD Co-Gen Restroom and Building Rehab	0	10-Apr-20*	→ 2.19 (2b);Substantial Completion (CD Compliance Date 5/21/20);-CD Co-Gen Restroom and Building
CD82090	Project Closeout - CD Co-Gen Restroom and Building Rehab	30 11-Apr-20	10-May-20*	□ Project Closebut - CD Co-Gen Restroom and Building Rehab.  10-May-20, Project Administration
Project Administration		90 14-Apr-16 A	10-May-20	▼ 10-May-20, Project Administration
CD85220	WASD Project Administration - CD Co-Gen Restroom and Building Rehab	90 14-Apr-16 A	10-May-20	WASD Project Administration - CD Co-Gen Restroom and Building Rehab
2.20 Septage Unload	ding Station - Cancelled	0 28-Dec-16 A		▼ 28-Dec-16 A, 2.20 Septage/Unloading Station - Cancelled
Pre-Design		0 28-Dec-16 A		▼ 28-Dec-16 A, Pre-Design
CD12241	Approval of Motion to Cancel Project - CD Septage Unloading Station	0	28-Dec-16 A	◆ Approval of Motion to Cancel Project - CD Septage Unloading Station
2.21 Pump Station N	lo.1	2083 16-Jun-15 A		▼ 26-Feb-21, 2.21 Fump Station No.1
Pre-Design		59 16-Jun-15 A		▼ 25-Jan-18 A, Pre-Design
CD12251	Pre-Design - CD Pump Station No. 1	59 16-Jun-15 A		ign - CD Pump Station No. 1
CD85380	Pre-Design (Temp. Odor System) - CD Pump Station No. 1	59 21-Sep-17 A		Pre-Design (Temp. Odor System) - CD Pump Station No. 1  ✓ 22-Feb-18 A, Engineering Design
Engineering De sign	Condition Assessment - CD Pump Station No. 1	994 13-Aug-15 A 70 13-Aug-15 A		┨
CD21440 CD21450	Condition Assessment - CDPump Station No. 1  Condition Assessment Review Period - CD Pump Station No. 1	70 13-Aug-15 A 12 09-Nov-15 A		ondition Assessment - CD Pump Station No. 1
CD21450 CD83260	EPA Start Date for Engineering Design - CD Pump Station No. 1	0 01-Oct-16 A		ondition Assessment Review Period - CD Pump Station No. 1
CD83260 CD33770	Negotiate Final Design - CD Pump Station No. 1	326 24-Nov-15 A		◆ EPA Start Date for Engineering Design - CD Pump Station No. 1
CD21460	BODR Design Submittal - CD Pump Station No. 1	32 15-Oct-16 A		Negotiate Final Design - CD Pump Station No. 1
CD21470	BODR Design Review - CD Pump Station No. 1	7 16-Nov-16 A		BODR Design Submittal -CD Pump Station:No. 1
CD21490	60% / Charrette Design Submittal - CD Pump Station No. 1	38 23-Nov-16 A		BODR Design Review - CD Pump Station No. 1
CD83990	60% / Charrette Design Review - CD Pump Station No. 1	10 31-Dec-16 A		60% / Charrette Design Submittal - CD Pump Station No. 1  60% / Charrette Design Review - CD Pump Station No. 1
CD21500	100% Design Submittal - CD Pump Station No. 1	58 10-Jan-17 A		100% / Charrette Design Review - CD Pump Station No. 1
CD10710	Engineering Design - CD Pump Station No. 1	638 13-Aug-15 A		Engineering Design - CD Pump Station No. 1
CD40500	100% Design Review/Permit Ready Submittal - CD Pump Station No. 1	64 09-Mar-17 A		100% Design Review/Permit Ready Submittal - CD Pump Station No; 1
CD81920	EPA Compliance Date for Engineering Design - CD Pump Station No. 1	0	30-Jun-17 A	◆ EPA Combliance Date for Engineering Design CD Pump Station No. 1
CD85390	Engineering Design (Tech. Spec.) for Temp. Odor System - CD Pump Station No. 1	66 26-Jan-18 A	22-Feb-18 A	
Permitting		289 15-May-17 A	05-Feb-18 A	Engineering Design (Tech. Spec.) for Temp. Odor System - CO Pump. Station No. 1.
CD80180	RER Permit - CD Pump Station No. 1	23 15-May-17 A	06-Jun-17 A	RER Permit, CD Pump Station No. 1
CD83270	EPA Start Date for Permitting - CD Pump Station No. 1	0 01-Jul-17 A		♦ EPA Start Date for Permitting - CD Pump Station No. 1
CD10830	Permitting - CD Pump Station No. 1	264 15-May-17 A	08-Jan-18 A	Permitting - CD Pump Station No. 1
CD80200	City of Miami Permit - CD Pump Station No. 1	236 12-Jun-17 A		City of Mami Permit -CD Pump Station No. 1
				• · · · · · · · · · · · · · · · · · · ·
CD81930	EPA Compliance Date for Permitting - CD Pump Station No. 1	0 1163 23-Dec-15 A	05-Feb-18 A 05-Feb-19 A	◆ EPA Compliance Date for Permiting - CD Pump Station No. 1  ▼ 05-Feb 19 A, Procurement

ID	Schedule - June 2019 Update	Original			Baseline (By Phase)	2019	2040	13-Jul-19 15:03 - Page No
y ID A	Activity Name	Original Duration	Start	Finish	2016 2017	2018	2019 2020	2021 2022 2023 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q
CD84670 P	Procurement of Screens for Rehab by WASD - CD Pump Station No. 1	42	23-Dec-15 A	02-Feb-16 A	1 ! ! ! ! ! ! ! !		QZ QO QA Q1 Q2 QO QA	Q1 Q2 Q0 Q7 Q1 Q2 Q0 Q7 Q1 Q2 Q0 Q
	GMOU submittal and approval - CD Pump Station No. 1		17-May-17 A	07-Jun-17 A	Procurement of Screens for Rehab by			
	ntemal Bid Package Review - CD Pump Station No. 1		27-Sep-17 A	07-Dec-17 A	1 1 1 1 1 1 1 1	submittal and approval - CD Pump S		
	Design Documents Sent to Procurement - CD Pump Station No. 1		08-Dec-17 A		†	Internal Bid Package Review - C		
	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 1		08-Dec-17 A	15-Dec-17 A	1	◆ Design Documents Sent to Prod		
	OCI Reviews and Provides List - CD Pump Station No. 1	5	23-Dec-17 A	10-Jan-18 A	1 1 1 1 1 1 1 1		d Request to Advertise - CD Pump Station I	NO. 1
	Advertise Bid Package - CD Pump Station No. 1		11-Jan-18 A		1	OCI Reviews and Provides Lis		
	EPA Start Date for Procurement - CD Pump Station No. 1	-	06-Feb-18 A		1	◆ Advertise Bid Package - CD P		
	Bid Solicitation Period - CD Pump Station No. 1		11-Jan-18 A	08-Mar-18 A	1	◆ EPA Start Date for Procurer		
	Sids Due - CD Pump Station No. 1		09-Mar-18 A	00 111071	1	Bid Solicitation Period - C		
	Bid Review Period - CD Pump Station No. 1		09-Mar-18 A	06-Apr-18 A	1	◆ Bids Due - CD Pump Stat		
	Award Recommendation - CD Pump Station No. 1	0		06-Apr-18 A	1	Bid Review Period - CD		
	Procurement - CD Pump Station No. 1	862	08-Dec-17 A	10-Jun-18 A	1	◆ Award Recommendatio	n - CD Pump Station No. 1 ocurement - CD Pump Station No. 1	
	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 1		07-Apr-18 A	10-Jun-18 A	1	<del></del>		
	EPA Compliance Date for Procurement - CD Pump Station No. 1	0		05-Feb-19 A	1	Final Approvals (BC	C, Mayor, Risk Mgmt.) - CD Pump Station I	NO. 1
Construction	- The Compliance Ballotte Treatment of France California	1634	07-Sep-16 A	26-Feb-21			A Compliance Date for Procurement - CD P	ump Station No.1 ▼ 26-Feb-21, Construction
	Screen Rehab by WASD - CD Pump Station No. 1		07-Sep-16 A	31-Jan-17 A				
	Contractor Notice to Proceed (NTP) - CD Pump Station No. 1		11-Jun-18 A	OT GUIT 1771	Screen Rehab	by WASD - CD Pump Station No. 1		
	EPA Start Date for Construction - CD Pump Station No. 1		06-Feb-19 A		1		Proceed (NTP) - CD Pump Station No. 1	
	Construction - CD Pump Station No. 1		07-Sep-16 A	15-Nov-19		<b>◆</b> EP	A St <mark>ar</mark> t Date for Construction - CD Pump St	
	Construction of PS #1 - CD Pump Station No. 1		11-Jun-18 A	15-Nov-19				Construction - CD Pump Station No. 1
	Commissioning - CD Pump Station No. 1	60	17-Sep-19	15-Nov-19	1		Construction of PS #1 - CD	
	• •	60	17-Sep-19	15-Nov-19 15-Nov-19*	1		Commissioning - CD Pump	
	Substantial Completion (CD Compliance Date 2/26/21) - CD Pump Station No. 1	U	16 No. 10		4		<ul> <li>\$ubstantial Completion (CE</li> </ul>	D Compliance Date 2/26/21) - CD Pump Station No. 1
	Project Closeout - CD Pump Station No. 1	30	16-Nov-19	15-Dec-19*	1		Project Closeout - CD Put	mp Station No. 1
	EPA Compliance Date for Construction - CD Pump Station No. 1	0		26-Feb-21*			15 Doc 10 Project Admir	◆ EPA Compliance Date for Construction - CD Pumo Station No. 1 nistration
Project Administration			13-Aug-15 A	15-Dec-19	_		13-Dec-19, Floject Admin	Istration
	NASD Project Administration - CD Pump Station No. 1		13-Aug-15 A	15-Dec-19			WASD Project Administra	ation - CD Pump Station No. 1 Station No. 2
2.22 Pump Station No.2		1922	30-Sep-14 A	03-Jan-20			03-Jan-20, 2.22 Pump	Station No.2
Pre-Design		197	30-Sep-14 A	13-Apr-15 A	-Design			
CD12261 P	Pre-Design - CD Pump Station No. 2	198	30-Sep-14 A	13-Apr-15 A	Pump Station No. 2			
Engineering Design		560	01-Oct-14 A	13-Apr-16 A	Pump Station No. 2 13-Apr-16 A, Engineering Design			
CD83300 E	EPA Start Date for Engineering Design - CD Pump Station No. 2**	0	01-Oct-14 A		ng Design - CD Pump Station No. 2**			
CD81590 E	EPA Compliance Date for Engineering Design - CD Pump Station No. 2**	0		05-Feb-15 A	e for Engineering Design - CD Pump Statio	n No. 2**		
CD20490 B	Basis of Design Report (BODR) - CD Pump Station No. 2	111	13-Apr-15 A	04-Aug-15 A	Design Report (BODR) - CD Pump Station			
CD20500 B	BODR Review Period - CD Pump Station No. 2	17	05-Aug-15 A	21-Aug-15 A	Review Period - CD Pump Station No. 2	NO. 2		
CD30310 N	Negotiation of Final Design - CD Pump Station No. 2	122	21-Jul-15 A	19-Nov-15 A		- No 2		
	50% Design Submittal - CD Pump Station No. 2		19-Nov-15 A	27-Jan-16 A	legotiation of Final Design - CD Pump Static			
	60% Design Review - CD Pump Station No. 2		28-Jan-16 A	03-Feb-16 A	60% Design Submittal - CD Pump Static			
	100% Design Submittal - CD Pump Station No. 2		04-Feb-16 A	09-Mar-16 A	60% Design Review - CD Pump Station			
	Develop Pre-Purchase Bid Packages (Odor Control, Valve, Flowmeter) - CD Pump Station No. 2		31-Jan-16 A	05-Apr-16 A	100% Design Submittal - CD Pump S			
	Engineering Design - CD Pump Station No. 2		13-Apr-15 A	13-Apr-16 A	Develop Pre-Putchase Bid Package Engineering Design - CD Pump Sta		CD Pump Station No. 2	
	100% Design Review/Permit Ready Submittal - CD Pump Station No. 2		10-Mar-16 A	13-Apr-16 A				
Permitting	10070 Design Neview/1 entil Neady Submittal - OD 1 ump Station No. 2		06-Feb-15 A	15-Dec-16 A	100% Design Review/Permit Ready	Submittal - CD Pump Station No. 2.	<del>-</del> <del>-</del>	
	EPA Start Date for Permitting - CD Pump Station No. 2		06-Feb-15 A 06-Feb-15 A	13-Dec-10 A	1			
	Miami 21 Zoning Permit - CD Pump Station No. 2		18-Apr-16 A	10-Jun-16 A	ermitting - CD Pump Station No. 2			
	<u> </u>		•	21-Jun-16 A	Miami 21 Zoning Permit - CD P			
	DERM Permit - CD Pump Station No. 2		13-Apr-16 A		DERM Permit - CD Pump Stati	on No. 2		
	FDOT Permit - CD Pump Station No. 2		23-Sep-16 A	03-Oct-16 A	FDOT Permit - CD Pum			
	Permitting - CD Pump Station No. 2		13-Apr-16 A	02-Dec-16 A	Permitting - CD Pu	imp Station No. 2		
	City of Miami Permit - CD Pump Station No. 2	159	27-Jun-16 A	02-Dec-16 A	City of Miami Permi	t - CD Pump Station No. 2		
	EPA Compliance Date for Permitting - CD Pump Station No. 2	0		15-Dec-16 A	◆ EPA Compliance	Date for Permitting - CD Pump Station	No. <mark>2</mark>	
Procurement			06-Apr-16 A	27-Mar-17 A	27-iyiar-177	n, riquitement		
	Advertise Pre-Purchase Package (Plug Valve) - CD Pump Station No. 2		06-Apr-16 A		◆ Advertise Pre-Purchase Package (F	lug Valve) - CD Pump Station No. 2		
	Advertise Pre-Purchase Package (Flow Meter) - CD Pump Station No. 2		06-Apr-16 A		Advertise Pre-Purchase Package (F	low Meter) - CD Pump Station No. 2		
	/endorBid & Award (Plug Valve) - CD Pump Station No. 2	13	06-Apr-16 A	18-Apr-16 A	■ VendorBid & Award (Plug Valve)			
CD40610 V	/endorNTP (Plug Valve) - CD Pump Station No. 2	0	18-Apr-16 A		◆ VendorNTP (Plug Valve) - CD Pun			
CD40590 V	/endorBid & Award (Flow Meter) - CD Pump Station No. 2	17	06-Apr-16 A	22-Apr-16 A	■ Vendor Bid & Award (Flow Meter)			
CD40620 V	/endorNTP (How Meter) - CD Pump Station No. 2	0	22-Apr-16 A		♦ Veindor NTP (Flow Meter) - CD Pu			
CD40540 A	Advertise Pre-Purchase Package (Odor Control) - CD Pump Station No. 2	0	17-Jun-16 A			ge (Odor Control) - CD Pump Station	No. 2	
CD40650 F	Fabricate & Deliver Flow Meter - CD Pump Station No. 2	60	22-Apr-16 A	20-Jun-16 A	Fabricate & Deliver Flow Meter			
CD30780 D	Design Documents Sent to Procurement - CD Pump Station No. 2	0	15-Jul-16 A		1 1 1 1 1 1 1 1	Procurement - CD Pump Station No. 2		
CD83320 E	EPA Start Date for Procurement - CD Pump Station No. 2	0	29-Jul-16 A		◆ EPA Start Date for Procurer			
CD40570 V	/endorBid & Award (Odor Control) - CD Pump Station No. 2	54	17-Jun-16 A	09-Aug-16 A	I : : : : : : : :	Control) - CD Pump Station No. 2		
	/endorNTP (Odor Control) -CD Pump Station No. 2		10-Aug-16 A	1				
	Advertise Bid Package - CD Pump Station No. 2		29-Aug-16 A		◆ VendorNTP (Odor Contro)			
	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 2		15-Jul-16 A	30-Aug-16 A	◆ Advertise Bid Package - C			
	Bid Solicitation Period - CD Pump Station No. 2		29-Aug-16 A	16-Oct-16 A		als and Request to Advertise - CD Pur	np S <mark>tat</mark> ion No. 2	
	·			10-00t-10 A	Bid Solicitation Period			
	Sids Due - CD Pump Station No. 2		17-Oct-16 A	20 No. 12 A	◆ Bids Due - CD Pump \$	Station No. 2		
	Fabricate & Deliver Plug Valve - CD Pump Station No. 2		18-Apr-16 A	29-Nov-16 A	Fabricate & Deliver	Plug Valve - CD Pump \$tation No. 2		
	Bid Review Period - CD Pump Station No. 2	66	17-Oct-16 A	21-Dec-16 A	Bid Review Period	- CD Pump Station No. 2		
	Award Recommendation - CD Pump Station No. 2	0		21-Dec-16 A	Award Recommen	ndation - CD Pump Station No. 2		
CD10580 P	Procurement - CD Pump Station No. 2	193	15-Jul-16 A	23-Jan-17 A	Procurement -	CD Pump Station No. 2		
CD30850 F	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 2	33	22-Dec-16 A	23-Jan-17 A	Final Approvals	(BCC, Mayor, Risk Mgmt.) - CD Pump	Station No. 2	
	EPA Compliance Date for Procurement - CD Pump Station No. 2	0		04-Feb-17 A				

	cree Schedule - June 2019 Update		Stand		aseline (By Phase)	13-Jul-19 15:03 - Page No. 33 of 76
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018	2019 2020 2021 2022 2023 2024
CD40630	Fabricate & Deliver Odor Control System - CD Pump Station No. 2	230	10-Aug-16 A	27-Mar-17 A		3 Q4 Q1 Q2 Q3 Q4 Q1 Q
Construction	Tabilicate & Belliver Cool Control Gystern - OD Furtip Clauser Fig. 2	1075		03-Jan-20	. Fabricate & Deliver Odor Control S	System + CD Pump Station No. 2  O3-Jan-20, Construction
CD10818	Contractor Notice to Proceed (NTP) - CD Pump Station No. 2	0			◆ Contractor Notice to Proceed (NTP) - 0	CD Pump Station No. 2
CD83330	EPA Start Date for Construction - CD Pump Station No. 2	0	05-Feb-17 A		◆ EPA Start Date for Construction - CD	
CD81620	EPA Compliance Date for Construction - CD Pump Station No. 2	0		25-May-19 A	V LIA Glat Bale to Constitution Co	◆ EPA Compliance Date for Construction - CD Pump Station No. 2
CD10820	Construction - CD Pump Station No. 2	261	24-Jan-17 A	24-Nov-19		Construction - CD Pump Station No. 2
CD86390	Commissioning - CD Pump Station No. 2	30	26-Oct-19	24-Nov-19		Commissioning - CD Pump Station No. 2
CD10970	Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2	0		24-Nov-19*		◆ Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2
CD40230	Project Closeout - CD Pump Station No. 2	40	25-Nov-19	03-Jan-20*		Project Closeout - CD Pump: Station No. 2 03-Jan-20, Project Adm inistration
Project Administration		1000	13-Apr-15 A	03-Jan-20		V 03-gan-zu, Project Administration
CD34190	WASD Project Administration - CD Pump Station No. 2	1000	•	03-Jan-20	▼ 09-Mar-17 A, 2.23 O2 Plant Proce	.WASD.Project Administration - CD:Pump Station No. 2
	ess Controls Phase 2	1255		09-Mar-17 A	03-Wai-17 A, 2.23 OZ Failt Flore	55 William Flace 2
Engineering Design	EDA Otad Data for Engineering Daving OD 00 Dlant Daving Control Disease 0	124		02-Feb-14 A		
CD83340 CD10010	EPA Start Date for Engineering Design - CD O2 Plant Process Controls Phase 2  Engineering Design - CD O2 Plant Process Controls Phase 2	0 81	01-Oct-13 A 01-Oct-13 A	20-Dec-13 A	Process Controls Phase 2	
CD81630	EPA Compliance Date for Engineering Design - CD 02 Plant Process Controls Phase 2	0	01-0ct-13A	02-Feb-14 A	ontrols Phase 2	
Permitting	LEA Compilative Date for Engineering Design - CD C2 Frank Flocess Controls Fliase 2	489	01-Oct-13 A	02-Feb-15 A	CD 02 Plant Process Controls Phase 2	
CD10090	Permitting - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	lant Process Controls Phase 2	
CD83350	EPA Start Date for Permitting - CD O2 Plant Process Controls Phase 2	0	03-Feb-14 A			
CD81640	EPA Compliance Date for Permitting - CD 02 Plant Process Controls Phase 2	0		02-Feb-15 A	Process Controls Phase 2	
Procurement		609	03-Jun-14 A	02-Feb-16 A	e for Permitting - CD 02 Plant Process Controls Phase 2 02-Feb-16 A, Procurement	
CD83360	EPA Start Date for Procurement - CD O2 Plant Process Controls Phase 2	0	03-Feb-15 A		rocurement - CD Q2 Plant Process Controls Phase 2	
CD10340	Procurement - CD O2 Plant Process Controls Phase 2	315	03-Jun-14 A	13-Apr-15 A	Procurement - CD 02 Plant Process Controls Phase 2	
CD81650	EPA Compliance Date for Procurement - CD O2 Plant Process Controls Phase 2	0		02-Feb-16 A	◆ EPA Compliance Date for Proculement - CD 02 Plant Process 199-Mar-17 A, Construction	s Controls Phase 2
Construction		689	20-Apr-15 A	09-Mar-17 A	09-Mar-17 A, Construction	
CD83370	EPA Start Date for Construction - CD O2 Plant Process Controls Phase 2	0	03-Feb-16 A		◆ EPA Start Date for Construction - CD O2 Plant Process Contro	ols Phase 2
CD10570	Construction - CD O2 Plant Process Controls Phase 2	372	20-Apr-15 A	25-Apr-16 A	Construction - CD O2 Plant Proces	
CD10850	Substantial Completion (CD Compliance Date 3/09/17) - CD O2 Plant Process Controls Phase 2	0		25-Apr-16 A	◆ Substantial Completion (CD Compliance Date 3/09/17) -	- CD 02 Plant Process Controls Phase 2
CD40240	Project Closeout - CD O2 Plant Process Controls Phase 2	172	26-Apr-16 A	14-Oct-16 A	Project Closeout - CD O2 Plant Process Cont	trols Phase 2
CD81660	EPA Compliance Date for Construction - CD 02 Plant Process Controls Phase 2	0		09-Mar-17 A	◆ EPA Compliance Date for Construc ▼ 14-Oct-16 A, Project Administration	ction - CD C2 Plant Piccess Controls Phase 2
Project Administration	WACD DOLLAR STATE OF CORDINATE OF COLUMN ASSESSMENT	1109	01-Oct-13 A	14-Oct-16 A		
CD34200	WASD Project Administration - CD O2 Plant Process Controls Phase 2	1110	01-Oct-13 A	14-Oct-16 A	WASD Project Administration - CD 02 Plant J	Process Controls Phase 2
2.24 Gas Monitoring	gandAlarms	1076	19-Dec-14 A	21-Mar-18 A	-Design	o,A, z.27 Ces working and yearns
Pre-Design	D D : 000 M % : 144	115		13-Apr-15 A	-Lesgii	
CD12271	Pre-Design - CD Gas Monitoring and Alarms	116		13-Apr-15 A	Gas Monitoring and Alarms 15 A, Engineering Design	
Engineering Design	EDA Start Data for Engineering Design CD Cos Manitoring and Alarma**	222		11-Aug-15 A	To 7.(LEnging County	
CD83380 CD81680	EPA Start Date for Engineering Design - CD Gas Monitoring and Alarms**  EPA Compliance Date for Engineering Design - CD Gas Monitoring and Alarms**	0	01-Jan-15 A	04-Mar-15 A	ineering Design - CD Gas Monitoring and Alarms**	
CD10310	Engineering Design - CD Gas Monitoring and Alarms	121	13-Apr-15 A	11-Aug-15 A	ate for Engineering Design - CD Ga's Monitoring and Alarms** ring Design - CD Gas Monitoring and Alarms	
Construction	Engineering beagn - ob das monitoring and Abints	413	· · · · · · · · · · · · · · · · · · ·	21-Mar-18 A		8/A, Construction
CD31030	Contractor Notice to Proceed (NTP) - CD Gas Monitoring and Alarms	0		21 Mai 1071		
CD83410	EPA Start Date for Construction - CD Gas Monitoring and Alarms	0	05-Mar-17 A		◆ Contractor Notice to Proceed (NTP) - CD Gas	
CD81710	EPA Compliance Date for Construction - CD Gas Monitoring and Alarms**	0		19-Sep-17 A	◆ EPA Start Date for Construction - C	
CD10840	Construction - CD Gas Monitoring and Alarms	353	12-Oct-16 A	29-Sep-17 A		e for Construction - CD Gas Monitoring and Alarms** as Monitoring and Alarms
CD10930	Substantial Completion (CD Compliance Date 9/19/17) - CD Gas Monitoring and Alarms	0		29-Sep-17 A		ion (CD Compliance Date 9/19/17) - CD Gas Monitoring and Alarms
CD40250	Project Closeout - CD Gas Monitoring and Alarms	60	30-Sep-17 A	21-Mar-18 A		
Project Administration		961	13-Apr-15 A	21-Mar-18 A	21-Mar-10	Roseout - CD Gas Monitoring and Alarros 8/A, Project Administration
CD34210	WASD Project Administration - CD Gas Monitoring and Alarms	961	13-Apr-15 A	21-Mar-18 A		Project Administration - CD Gas Monitoring and Alarms
2.25 Ventilation Imp	provements	3914	11-Jun-14 A	27-Feb-25		
Engineering Design		2584	11-Jun-14 A	07-Jul-21		▼ 07-Jul-21, Engineering Design
CD11320	Engineering Design - CD Ventilation Improvements	2187	11-Jun-14 A	20-Feb-19 A		Engineering Design - CD Ventilation Improvements
CD83420	EPA Start Date for Engineering Design - CD Ventilation Improvements	0	01-Jan-21*			◆ EPA Start Date for Engineering Design - CD Ventilation Improvements
CD81720	EPA Compliance Date for Engineering Design - CD Ventilation Improvements	0	00.0	07-Jul-21*		◆ EPA Compliance Date for Engineering Design - CD Ventilation Impro
Permitting	Description CD Vestiletes bearings to	2473		07-Jul-22		
CD11360	Permitting - CD Ventilation Improvements	1891	30-Sep-15 A	08-Jan-18 A		Permitting - CD Ventilation Improvements
CD83430	EPA Start Date for Permitting - CD Ventilation Improvements	0	08-Jul-21*	07-Jul-22*		◆ EPA Start Date for Permitting - CD Ventilation Improvements
CD81730	EPA Compliance Date for Permitting - CD Ventilation Improvements	2640	07-Mar-16 A	07-Jul-22 <sup>^</sup>	<del></del>	◆ EPA Compliance Date for Permitting - CD V  ▼ 07-Jul-23; Procurer
Procurement CD11480	Procurement - CD Ventilation Improvements	1963	07-Mar-16 A 07-Mar-16 A	10-Jun-18 A		
CD83440	EPA Start Date for Procurement - CD Ventilation Improvements	1963	07-Mai-16 A 08-Jul-22*	10-Juli-10 A		Procurement - CD
CD81740	EPA Compliance Date for Procurement - CD Ventilation Improvements	0	55 0ui ZZ	07-Jul-23*		♦ EPA Start Date for Procurement - CD Ventile
Construction		3041	30-Aug-16 A	27-Feb-25	····	
CD11560	Construction - CD Ventilation Improvements	2365		13-Jan-20		
CD11650	Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements	0	<u> </u>	13-Jan-20*		◆ Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements
CD83450	EPA Start Date for Construction - CD Ventilation Improvements	0	08-Jul-23*			Substantial Completion (CLI Compliance Date 2/2/7/25) - CLI Ventilation Improvements
CD81750	EPA Compliance Date for Construction - CD Ventilation Improvements	0		27-Feb-25*		
Project Administration		3328	11-Jun-14 A	13-Jan-20		✓ 13-Jan-20, Project Administration
CD34220	WASD Project Administration - CD Ventilation Improvements	3328	11-Jun-14 A	13-Jan-20		. WASD Project Administration - QD Ventilation Improvements
2.25 (1) HVAC Improv	vements for Air Scrubber Building	0	20-Feb-19 A	20-Feb-19 A		WASD Project Administration - CD Ventilation Improvements.  ▼ 20-Feb 19 A, 2.25 (1) HVAC Improvements for Air Scrubber Building
Pre-Design		0	20-Feb-19 A	20-Feb-19 A		▼ 20-Feb 19 A; Pre-Design
	Child Project Cancelled (WASD h House HVAC Improvements)	0		20-Feb-19 A		A Child Project Conchiled (WASCI) Holica HIAC Promognosti)
CD12281	Cima i rejest carresnes (i vi es i i resectivi e impresente)				<u></u>	Tanio ricied Califered WASD II Fouse 1 VAC improventeria)
	IVAC Improvements (Project 2.03/2.04)	1254 479	06-Oct-14 A 06-Oct-14 A	20-Jul-19 28-Jan-16 A	▼ 28-Jan-{6 A, Engineering Design	Child Ptoject Cancelled (WASD h. House HVAC Improvements)     20-Jul-19, 2.25 (2) Headworks HVAC Improvements (Project 2.03/2.04)



	Schedule - June 2019 Update				Baseline (By Phase	,					13-Jul-19 15:03 - Page No. 3
D Ac	xtivity Name	Original Duration	Start	Finish	2016	2017		018	201		020
CD82180 10	00% Design Review - Site Preparation (utilities and demolition)	153	31-Dec-16 A	01-Jun-17 A	Q1 Q2 Q3 Q4						Q3   Q4   Q1   Q2   Q3   Q4   Q1   Q2   Q3   Q4   Q1   Q2   Q3   Q4
	ngineering Design - Site Preparation (utilities and demolition)	265	30-Sep-16 A	21-Jun-17 A			Desian Review - neerina Desian			and demolition)	
	00% Design Submittal Permit Ready - Site Preparation (utilities and demolition)	161	12-Jan-17 A	21-Jun-17 A		<del>, , ,</del> , ,	, - , -		`)	1 1 1 1	hoolitich)
Permitting		105	16-Mar-17 A	29-Jun-17 A	<b></b>	29-Ju	n-17A, Permitti	ng Remiil Rea	uy Site Pie	aration (utilities and de	25) (CHUICO))
CD33810 DE	ERM Permit - Site Preparation (utilities and demolition)	57	16-Mar-17 A	11-May-17 A		DEDM C	ermit - Site Prer	aration (utilitia	a and dome	tion	
CD82240 Pe	ermitting - Site Preparation (utilities and demolition)	106	16-Mar-17 A	29-Jun-17 A	1	1 1 1 1	tting - Site Prec	1 1 1	1	1 1 1 1	
CD70890 CC	DM Permit - Site Preparation (utilities and demolition)	86	05-Apr-17 A	29-Jun-17 A						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Project Administration		272	30-Sep-16 A	29-Jun-17 A	<b>→</b>	29-Ji	Permit - Site Pr n-17 A , Project	Administration	ies and den	Dillori)	
	ASD Project Administration - Site Preparation (utilities and demolition)	273	30-Sep-16 A	29-Jun-17 A	1	10/05	D Drainat Admin	introtion Cito	Properation	(utilities and domelition	
2.27 (2) Oxygen Production	n Design-Build	2728	19-Dec-14 A	07-Jun-22		EAW E	O'ETOBRI MOUNT	ISU AUDIT : SILE.	riepaialioi	utilities and demolition	7; 07-Jun-22, 2.27 (2) Oxygen Production
Pre-Design		114	19-Dec-14 A	12-Apr-15 A	-Design			1		111	
CD12291 Pre	re-Design - CD Oxygen Production	115	19-Dec-14 A	12-Apr-15 A	Oxygen Production						
Engineering Design		732	13-Apr-15 A	14-Apr-17 A	- CAYGEITT IQUUCIOIC	14-Apr-17	A, Engineering	Design		1 1 1	
CD21640 Ba	asis of Design Report (BODR) - CD Oxygen Production	136	13-Apr-15 A	26-Aug-15 A	f Design Report (BODR	- CD Owgon Produ	ction				
CD21580 BC	DDR Review Period - CD Oxygen Production	14	27-Aug-15 A	09-Sep-15 A	Review Period - CD Ox		CHOT				
CD30330 Ne	egotiate Phase II Design - CD Oxygen Production	428	27-Jul-15 A	26-Sep-16 A		ptiate Phase II Desig	n CD Owlean	Droduction			
CD33780 De	esign Criteria Package Initial Submittal - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	i i i i i i i i i i i i i i i i i i i				)	duation.	
	nal Basis of Design Report (BODR) and Specs - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	1	i i i i	Package Initial	i i i		i i i	
	CP Design Review - CD Oxygen Production	25	24-Feb-17 A	20-Mar-17 A	1	1 1 1 1	1 1	1 1 1	1	vgen Production	
	nal DCP Submittal - CD Oxygen Production	10		30-Mar-17 A	1	DCP Design					
	ngineering Design - CD Oxygen Production	733	13-Apr-15 A	14-Apr-17 A			Submittal - CD C neering Design				
	sue Final RDBS - CD Oxygen Production	200	27-Sep-16 A	14-Apr-17 A							
Procurement		596	17-Apr-17 A	18-Dec-18 A	1	Issue Final	RDBS - CD Ox	gen Productic	n 18-Dec-18	, Procurement	
	temal Bid Package review - CD Oxygen Production	49	17-Apr-17 A	04-Jun-17 A	1				1		
		49	·	04-Juil-17 A	1		Bid Package re	1 1 1	1	ion	
	DBS sent to ISD - CD Oxygen Production	-	05-Jun-17 A	20 lun 47 A	1	: : : :	sent to ISD - CD	: : :			
	ubmit/Approve SBD Goals and Request to Advertise - CD Oxygen Production	25		29-Jun-17 A	-	1 1 1 1	1 1	1 1 1	1	ertise - CD Oxygen Pro	duction
	dvertise RDBS - CD Oxygen Production	-	26-Jul-17 A	40.0-4.47.4	-	◆ Adv	ertise RDBS - C	D Oxygen Pro	duction		
	equest for Qualifications - CD Oxygen Production	80	26-Jul-17 A	13-Oct-17 A	1 1 1 1		Request for C	ualifications -	CD Oxygen	roduction	
	ualifications Package Due - CD Oxygen Production	0		13-Oct-17 A			Qualifications	Package Due	- CD Oxygen	Production	
	ualification Review Period - CD Oxygen Production	55	14-Oct-17 A	05-Dec-17 A	1	. ! ! !	Qualification	n Review Per	od - CD Oxy	en Production	
CD33880 Sh	nortlist Published - CD Oxygen Production	0		05-Dec-17 A			◆ Shortlist P	ublished - CD	Oxygen Prod	uction	
CD33890 Re	equest for Proposals - CD Oxygen Production	44	05-Dec-17 A	06-Mar-18 A			Req	uest for Propo	sals - CD Ox	gen Production	
CD31060 Pro	oposals Due - CD Oxygen Production	0		06-Mar-18 A			i i	osals Due - C	i	i i i	
CD31070 Pro	oposal Review Period - CD Oxygen Production	20	07-Mar-18 A	22-Mar-18 A			: :	: : :		Oxygen Production	
CD31080 Aw	ward Recommendation - CD Oxygen Production	0	23-Mar-18 A		1		1 1			Oxygen Production	
CD31100 Co	ontract Negotiations - CD Oxygen Production	30	07-May-18 A	20-Jul-18 A						- CD Oxygen Productio	yn
CD82250 Pro	ocurement - CD Oxygen Production	314	05-Jun-17 A	18-Dec-18 A	1					t - CD Oxygen Producti	
CD31110 Fin	nal Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production	95	21-Jul-18 A	18-Dec-18 A					Final: Appro	als (BCC Mayor Risk I	Mgmt.) - CD Oxygen Production
esign-Build		1164	29-Mar-19 A	07-Jun-22					T III GIVE UPPOR	410-(120s), 1941y0( 33s)( (	▼ 07-Jun-22, Design-Build
CD33820 De	esign-Builder NTP - CD Oxygen Production	0	29-Mar-19 A		1				. Dos	n-Builder NTP - CD Ox	vaen Production
CD84700 Co	onstruction of Site Preparation (CD 2.27(1)) - CD Oxygen Production	380	29-Mar-19 A	12-Apr-20					<b>D</b>	1 1 1	onstruction of Site Preparation (CD 2.27(1)) - CD Oxygen Production
CD84720 Co	onstruction Completion Milestone #1 (CD Compliance Date 2/13/22) - CD Oxygen Production	0		12-Apr-20*						1 1 1	Instruction Completion Milestone #1 (CD Compliance Date 2/13/22) - CD Oxygen Produc
CD33910 Fin	nal Engineering by Design-Builder - CD Oxygen Production	445	29-Mar-19 A	24-Jun-20					1	, γω	Final Engineering by Design-Builder - CD Oxygen Production
	HJ Permit Review - CD Oxygen Production	395	13-Sep-19	11-Oct-20	-					1 1 1	
	esign-Builder Summary (NTP to Milestone #2) - CD Oxygen Production		29-Mar-19 A	10-Oct-21							AHJ Permit Review - CD Oxygen Production
	esign-Builder Construction - CD Oxygen Production	519	10-May-20	10-Oct-21	-				;	1 1 1 _	Design-Builder Summary (NTP to Milestone #2) - CD
	onstruction Completion Milestone #2 (CD Compliance Date 2/13/22) - CD Oxygen Production	0.0	10 May 20	10-Oct-21*	1				- ;		Design-Builder Construction - CD Oxygen Production Construction Completion Milestone #2 (CD C
	PA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22*	-						
	onstruction of VPSA 2 (Non-Consent Decree) - CD Oxygen Production	162	11-Oct-21	21-Mar-22	-						◆ EPA Compliance Date for Construction - CD
				21-Mar-22							Construction of VPSA 2 (Non-Consent Dec
	ommissioning - CD Oxygen Production	30	20-Feb-22	-	1						■ Commissioning - CD Oxygen Production
	ubstantial Completion (Non-Consent Decree) - CD Oxygen Production	0	22 Mar 22	21-Mar-22	4						◆ Substantial Completion (Non-Consent Dec
	oject Closeout - CD Oxygen Production	78	22-Mar-22	07-Jun-22*		<u></u>				<u> </u>	Project Closeaut - CD Oxygen Product 07-Jun-22, Project Administration
oject Administration	ACC Project Administrative CD Course Port	1993	13-Apr-15 A	07-Jun-22	_						To Sur P22, Project Administration
	ASD Project Administration - CD Oxygen Production	1993		07-Jun-22							. WASD Project Administration - CD Ox
8 SCADA RTU Upgrad	des		01-Oct-13 A	29-Mar-14 A	P					<u> </u>	
onstruction		179		29-Mar-14 A							
CD71210 EP	PA Start Date for Construction - CD SCADA RTU Upgrades	0	01-Oct-13 A		ırades						
CD10020 Co	onstruction - CD SCADA RTU Upgrades	133	01-Oct-13 A	10-Feb-14 A	]						
D10100 Su	ubstantial Completion (CD Compliance Date 3/29/14) - CD SCADA RTU Upgrades	0		10-Feb-14 A	e 3/29/14) - CD SCADA	RTU Upgrades					
CD81810 EP	PA Compliance Date for Construction - CD SCADA RTU Upgrades	0		29-Mar-14 A	D. SCADA RTU Upgrad	1 1 1 1					
oject Administration		132	01-Oct-13 A	10-Feb-14 A							
D85280 WA	ASD Project Administration - CD SCADA RTU Upgrades	133	01-Oct-13 A	10-Feb-14 A	RTU Upgrades						
9 High Strength Influer		497	12-Feb-13 A	24-Jun-14 A	fluent Impact Study						
ngineering De sign	•	497	12-Feb-13 A	24-Jun-14 A	1						
	PA Start Date for Engineering Study - CD High Strength Influent Study Impact	0									
	ngineering Study - CD High Strength Influent Study Impact	472		29-May-14 A	_dy Impact	,					
		0	12 1 60-13 A		th Influent Study Impac	: : : :					
	ubstantial Completion (CD Compliance Date 6/24/14) - High Strength Influent Impact Study	0		29-May-14 A	_ ce Date 6/24/14) - High	: : : :					
	PA Compliance Date for Engineering Study - CD High Strength Influent Study Impact	-	10 Feb 10 *	24-Jun-14 A	ng Study - CD High Stre	ngth Influent Study.	mpact	·			+
oject Administration	WOOD I WALLEY OF ONLY IN THE STATE OF THE ST	471	12-Feb-13 A	29-May-14 A							
	ASD Project Administration - CD High Strength Influent Study Impact	472		29-May-14 A	ligh Strength Influent St	ıdy İmpact	<u>ij</u>	<u>.iii</u>		24.163.462.52543.58	NAME OF THE PROPERTY OF THE PR
M CDWWTP CM Office	e & Contractor Trailers Site Prep	1122	05-Nov-15 A	31-Jul-19						31-Jul-19, 2.CM CD	WWTP CM Office & Contractor Trailers Ste Prep
e-Design		168	05-Nov-15 A	21-Apr-16 A	21-Apr-16 A, F	e-Design					
	re-Design - CDWWTP Contractor's Trailers Site Prep	169	05-Nov-15 A	21-Apr-16 A						· · · · · · · · · · · · · · · · · · ·	



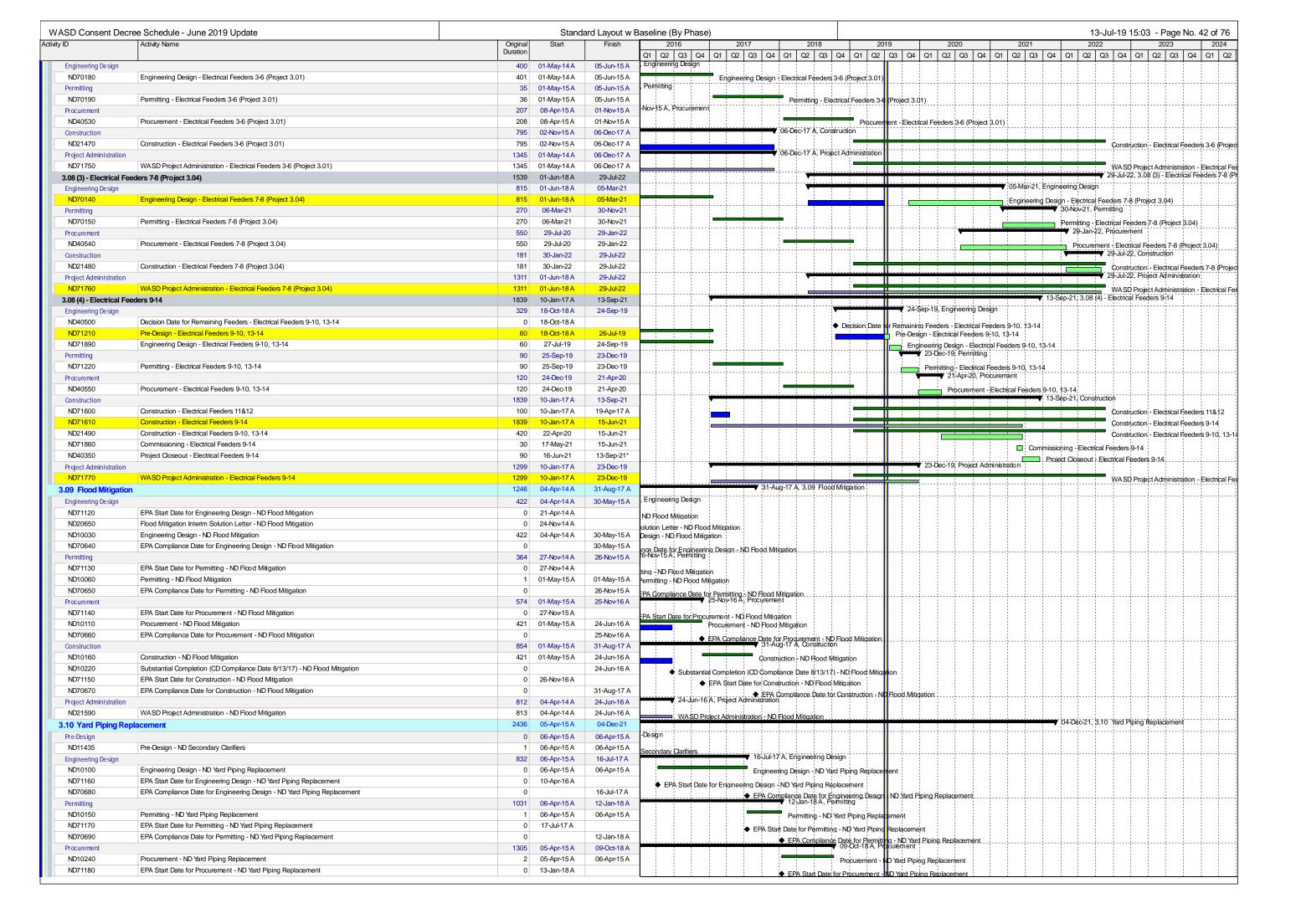
ID	cree Schedule - June 2019 Update	0-1			Baseline (By Phase) 13-Jul-19 15:03 - Page No. 37 o
y ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2 Q1 Q2 Q3 Q4 Q1
ND10130	Permitting - ND Primary Clarifiers & Odor Control	733	25-Oct-15 A	10-Oct-17 A	Pelmitting - ND-Primary Clarifiers & Odol Control
Procurement		508		05-Dec-18 A	▼ 05-Dec-18 ↑ Procurement
ND70850	EPA Start Date for Procurement - ND Primary Clarifiers & Odor Control**	0			
ND70380	EPA Compliance Date for Procurement - ND Primary Clarifiers & Odor Control	0		02-Jun-18 A	◆ EPA Start Date for Procurement - ND Primary Clarifiers & Odor Control**
ND10210	Procurement - ND Primary Clarifiers & Odor Control	505	07-Feb-17 A	05-Dec-18 A	
Construction	· · · · · · · · · · · · · · · · · · ·	2053	23-Aug-17 A	06-Apr-23	▼ 06-Apr-23, Construct
ND70860	EPA Start Date for Construction - ND Primary Clarifiers & Odor Control		03-Jun-18 A		
ND10270	Construction - ND Primary Clarifiers & Odor Control		23-Aug-17 A	30-Aug-21	◆ EPA \$tart Date for Construction - ND Primary Clariffiers & Odor Control  Construction - ND Primary Clariffiers & Constructi
ND71790	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0		30-Aug-21	Substantial Complete
ND70390	EPA Compliance Date for Construction - ND Primary Clarifiers & Odor Control	0		06-Apr-23*	<b>1</b>
	hanisms for Primary Clarifiers #4 & 6	870	01-Dec-16 A	30-Aug-19	▼ 30-Aug-19, 3.02 (1) Replace Mechanisms for Primary Clarifiers #4 & 6
Pre-Design	mailloino io i i ilinaly dialiloio 17 a c	20		21-Dec-16 A	₩ 21-Dec-16/A, Pre-Design
ND71280	Negotiate Scope and Cost of VFI Package (MWH) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	21		21-Dec-16 A	
Engineering Design	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	36		27-Jan-17 A	Negótiate Scope and Cost of VFI Package (MWH) - ND Primary Clarifiers (Replace Mechanisms.#4.&6) V 27-Jan-17 A, Engineering Design
ND71250	Submit Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	23		13-Jan-17 A	
ND71260	Review Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	4		17-Jan-17 A	Submit Draft VFI Package -ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71470	Engineering Design - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	37	22-Dec-16 A	27-Jan-17 A	Review Draft VFI Package + ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71270	Submit Final VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	10		27-Jan-17 A	Engineering Design ND Primary Clariffers (Replace Mechanisms #4 & 6)
Procurement	Committee of the transaction of	205		23-Aug-17 A	■ Submit Final VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  23-Aug-17 A, Pro curement
ND71380	Internal Bid Package Review - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	8	30-Jan-17 A	06-Feb-17 A	<b>- </b>
ND71290	Design Documents Sent to Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	07-Feb-17 A	00-1 en-11 H	Internal Bid Package Review - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  Internal Bid Package Review - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71540	, , , , ,	-		19-Feb-17 A	Design Documents Sent to Produrement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
	GMOU submittal and approval - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	21			GMOU submittal and approval - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71300	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	28	07-Feb-17 A	06-Mar-17 A	Submit/Approve SBD Goals and Request to Advertise ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71310	Advertise Bid Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	07-Mar-17 A	44.14 := :	◆ Advertise Bid Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71320	Bid Solicitation Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	66		11-May-17 A	Bid Solicitation Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71330	Bids Due - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	,		◆ Bids Due - ND Primary Clarifiers (Replace Mechani <mark>s</mark> ms #4 & 6)
ND71340	Bid Review Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	98	12-May-17 A	17-Aug-17 A	Bid Review Period ND Primary Clarifiers (Reblace Mechanisms #4 & 6)
ND71350	Award Recommendation - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0		17-Aug-17 A	◆ Award Recommendation - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71360	Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	198	07-Feb-17 A	23-Aug-17 A	Procurement - NDi Prima <mark>n</mark> y Clatifiers (Replace Mechanisms #4 & 6)
ND71370	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	6	18-Aug-17 A	23-Aug-17 A	. I. Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers (Replace Mechanisms #4.8/6).  ▼ 30-Aug-19, Construction
Construction		605	23-Aug-17 A	30-Aug-19	30-Aug-19, Constfuction
ND71500	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	23-Aug-17 A		◆ Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71510	Construction - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	422	23-Aug-17 A	20-Feb-19 A	Construction - ND Pr
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 Complétion (CD Compliance Date 4/06/23) - ND Primary Clarifiers (Réplace Mechanisms #4 & 6)
ND71530	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	30	21-Feb-19 A	30-Aug-19*	<u> </u>
ND71530 Project Administration	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	30 696		30-Aug-19* 30-Aug-19	Project Closeout - ND Primary, Clarifiers (Replace Mechanisms #4 & 6).  → 30-Aug-19, Project Administration
	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	696		_	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4.8/6)  30-Aug-19, Project Administration
Project Administration ND71730		696	22-Dec-16 A 22-Dec-16 A	30-Aug-19	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4, & 6).  30-Aug-19, Project Administration - ND Primary Clarifiers (Replace Mechanisms #4, & 6).  WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4, & 6).  28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control
Project Administration ND71730	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	696 696	22-Dec-16 A 22-Dec-16 A 03-Sep-14 A	30-Aug-19 30-Aug-19	Project Closeout - ND Primary Clatifiers (Replace Mechanisms #4.8.6)  30-Aug-19, Project Administration
Project Administration ND71730 3.02 (2) Primary Clari	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	696 696 2644	22-Dec-16 A 22-Dec-16 A 03-Sep-14 A 25-Mar-15 A	30-Aug-19 30-Aug-19 28-Nov-21	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  30-Aug-19, Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control (Semaining, Scope of Work)
Project Administration ND71730 3.02 (2) Primary Clarid Pre-Design	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  ifiers and Odor Control (Remaining Scope of Work)	696 696 2644 134	22-Dec-16 A 22-Dec-16 A 03-Sep-14 A 25-Mar-15 A 25-Mar-15 A	30-Aug-19 30-Aug-19 28-Nov-21 06-Aug-15 A	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6).  WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6).  WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6).  28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control  15 A Pre-Design
Project Administration ND71730 8.02 (2) Primary Clari Pre-Design ND11375	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  ifiers and Odor Control (Remaining Scope of Work)	696 696 2644 134 135	22-Dec-16 A 22-Dec-16 A 03-Sep-14 A 25-Mar-15 A 25-Mar-15 A 03-Sep-14 A	30-Aug-19 30-Aug-19 28-Nov-21 06-Aug-15 A	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control  15 A Per Design  gn (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)  17:Apr-17 A, Engineering Design
Project Administration ND71730 .02 (2) Primary Claril Pre-Design ND11375 Engineering Design	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  iffers and Odor Control (Remaining Scope of Work)  Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	696 696 2644 134 135 957	22-Dec-16 A 22-Dec-16 A 03-Sep-14 A 25-Mar-15 A 25-Mar-15 A 03-Sep-14 A 03-Sep-14 A	30-Aug-19 30-Aug-19 28-Nov-21 06-Aug-15 A 06-Aug-15 A 17-Apr-17 A	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6) 30-Aug-19, Project Administration  WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6) 28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control  15 A Pre-Design  gn (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)  17-Apr-17 A, Engineering Design  Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
Project Administration ND71730 8.02 (2) Primary Clarii Pre-Design ND11375 Engineering Design ND20140	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  iffers and Odor Control (Remaining Scope of Work)  Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)  Basis of Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	696 696 2644 134 135 957 330	22-Dec-16 A 22-Dec-16 A 03-Sep-14 A 25-Mar-15 A 25-Mar-15 A 03-Sep-14 A 03-Sep-14 A	30-Aug-19 30-Aug-19 28-Nov-21 06-Aug-15 A 06-Aug-15 A 17-Apr-17 A 29-Jul-15 A	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control  (Remaining Scope of Work)  Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)  28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control  (Remaining Scope of Work)  Project Administration - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)  28-Nov-21, 3.02 (2) Primary Clarifiers and Odor Control  (Remaining Scope of Work)  Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)  30% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
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tivity ID	Activity Name	Original Duration	Start	Finish	04   6	2016 2017 2018	2019 2020 2021 2022 2023 2024
ND40290	Project Closeout - ND Primary Clarifiers & Odor Control		31-Aug-21	28-Nov-21*	Q1 C	J2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3	Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
Project Administration			3-Sep-14 A	28-Nov-21			Project Closeout - ND Promary Clarifiers & Odor Control.  Z8-Nov-21, Project Administration
ND21510	WASD Project Administration - ND Primary Clarifiers & Odor Control	2483 0	3-Sep-14 A	28-Nov-21			WASD Project Administration - ND Primary Clarifièrs & Odor
3.03 Oxygenation	Trains	3238 2	25-Apr-17 A	06-Mar-26		Y-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
Pre-Design			25-Apr-17 A	04-Oct-18 A		<b>Y</b>	▼ 04-Oct-18A, Pre-Design
ND11385	Pre-Design (BODR) - ND Oxygenation Trains		21-Jul-17 A	01-Jun-18 A		Pre-C	Pesign (BODR) - ND Dxygenation Trains
ND71620	Pre-Design (Tank #5 Rehab) - ND Oxygenation Trains		25-Apr-17 A	04-Oct-18 A	<del> </del>		Pre-Design (Tark #5.Rehab) - ND.Owgenation:Trains  V:05-Mar-21, Engineering;Design
Engineering Design ND70880	EPA Start Date for Engineering Design - ND Oxygenation Trains		)1-Jun-18 A )1-Jan-19 A	05-Mar-21			
ND20230	Basis of Design Report (BODR) - ND Oxygenation Trains		)1-Jun-18 A	08-Apr-19 A		_	♦ EPA Start Date for Engineering Design - ND Oxygenation Trains
ND20240	BODR Review/Re-submittal - ND Oxygenation Trains		)9-Apr-19 A	11-Jul-19		-             <del>  -  </del>	Basis of Design, Report (BODR) - ND Ox/genation Trains
ND20250	Negotiate Phase II Design - ND Oxygenation Trains		2-May-19 A	02-Oct-19			BODR Review/Re-submittal - ND Oxygenation Trains  Negotiate Phase II Design - ND Oxygenation Trains
ND70400	EPA Compliance Date for Engineering Design - ND Oxygenation Trains	0		14-Oct-19*			◆ EPA Compliance Date for Engineering Design; ND Oxygenation Trains
ND20260	Design Criteria Package Initial Submittal - ND Oxygenation Trains	270	03-Oct-19	28-Jun-20			Design Criteria Package Initial Submittal - ND Oxygenation Trans
ND40470	Issue Final RDBS - ND Oxygenation Trains		31-Mar-20	28-Jun-20			lssue Final RDBS - ND/Oxygenation Trains
ND20270	Final Basis of Design Report (BODR) and Specs - ND Oxygenation Trains		29-Jun-20	25-Nov-20			Final Basis of Design Report (BODR) and Specs - ND Oxygenation Trains
ND20280	DCP Design Review - ND Oxygenation Trains		26-Nov-20	23-Feb-21			DCP Design Review - ND Oxygenation Trains
ND10310	Engineering Design - ND Oxygenation Trains		11-Jun-18 A	05-Mar-21		-             <del>  -</del>	Engineering Design - ND Oxygenation Trains
ND20290 Permitting	Final DCP Submittal - ND Oxygenation Trains		24-Feb-21 15-Oct-19	05-Mar-21 25-Mar-21			
ND70890	EPA Start Date for Permitting - ND Oxygenation Trains		15-Oct-19*	25 Mai 21			
ND70410	EPA Compliance Date for Permitting - ND Oxygenation Trains	0		13-Oct-20*			<ul> <li>◆ EPA Start Date for Permitting - ND Oxygenation Trains</li> <li>◆ EPA Compliance Date for Permitting - ND Oxygenation Trains</li> </ul>
ND10350	Permitting - ND Oxygenation Trains	270	29-Jun-20	25-Mar-21			Permitting - ND Oxygenation Trains
ND71660	Permitting (Remaining Scope of Work) - ND Oxygenation Trains	270	29-Jun-20	25-Mar-21	1		
Procurement		1686 1	9-Jun-17 A	29-Jan-22	[	<b>Y</b>	Permitting (Remaining Scope of Work) - ND Oxygenation. Trains. 29 Jan-22, Procurement
ND71630	P.O. for Tank#5 Cleaning - ND Oxygenation Trains		9-Jun-17 A	27-Jan-19 A			P.O. for Tank#5 Cleaning - ND Coygenation Trains
ND71390	Internal Bid Package Review - ND Oxygenation Trains		29-Jun-20	28-Jul-20			☐ Internal Bid Package Review - ND Oxygenation Trains
ND21200	RDBS sent to ISD - ND Oxygenation Trains		29-Jul-20	07.4			◆ RDBS sent to ISD - ND Oxygenation Trains
ND21210 ND21220	Submit/Approve SBD Goals and Request to Advertise - ND Oxygenation Trains  Advertise RDBS - ND Oxygenation Trains		29-Jul-20 28-Aug-20	27-Aug-20			☐ Submit/Approve SBD Goals and Request to Advertise - ND Oxygenation Trains
ND70900	EPA Start Date for Procurement - ND Oxygenation Trains		14-Oct-20*				◆ Advertise RDBS - ND Oxygenation Trains
ND71900	Request for Qualifications - ND Oxygenation Trains		28-Aug-20	25-Nov-20			◆ EPA Start Date for Procurement - ND Oxygenation Trains
ND71910	Qualifications Package Due - ND Oxygenation Trains		26-Nov-20				Request for Qualifications - ND Oxygenation Trains
ND71940	Qualification Review Period - ND Oxygenation Trains	90	26-Nov-20	23-Feb-21			<ul> <li>◆ Qualification's Package Due - ND Ox/genation Trains</li> <li>□ Qualification's Review Period - ND Ox/genation Trains</li> </ul>
ND71920	Shortlist Published - ND Oxygenation Trains	0 2	24-Feb-21				◆ Shortlist Published: ND Oxygenation Trains
ND21230	Request for Proposals - ND Oxygenation Trains	90 2	24-Feb-21	24-May-21			Request for Proposals - ND Oxygenation Trains
ND21240	Proposals Due - ND Oxygenation Trains	0 2	25-May-21				◆ Proposals Due - ND Oxygenation Trans
ND21250	Proposal Review Period - ND Oxygenation Trains	30 2	25-May-21	23-Jun-21			☐ Proposal Review Period - ND Oxygenation Trains
ND21260	Award Recommendation - ND Oxygenation Trains	0		23-Jun-21			◆ Award Recommendation - ND Oxygenation Trains
ND71930 ND70420	Contract Negotiations - ND Oxygenation Trains	80	24-Jun-21	11-Sep-21 13-Oct-21*			Contract Negotiations - ND Oxygenation Trains
ND10390	EPA Compliance Date for Procurement - ND Oxygenation Trains  Procurement - ND Oxygenation Trains	550	29-Jul-20	29-Jan-22			▶ EPA Compliance Date for Procurement - ND Oxygenation Train     Procurement - ND Oxygenation Trains
ND21270	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygenation Trains		12-Sep-21	29-Jan-22			
Construction			28-Jan-19 A	06-Mar-26	·		Final Approvals (BCC, Mayor, Risk Momt.) - ND Oxygen
ND71640	Cleaning of Tank #5 - ND Oxygenation Trains	180 2	28-Jan-19 A	21-Apr-19 A			Cleaning of Tank #5 - ND Oxygenation Trains
ND70910	EPA Start Date for Construction - ND Oxygenation Trains	0 1	14-Oct-21*				► EPA Start Date for Construction - ND Oxygenation Trains
ND10428	Contractor Notice to Proceed (NTP) - ND Oxygenation Trains	0	30-Jan-22				◆ Contractor Notice to Proceed (NTP) - ND Oxygenation 1
ND10430	Construction - ND Oxygenation Trains		30-Jan-22	28-Jan-25			
ND71700	Construction (Remaining Scope of Work) - ND Oxygenation Trains		30-Jan-22	28-Jan-25			
ND71820 ND10510	Commissioning - ND Oxygenation Trains  Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygenation Trains	30 3	30-Dec-24	28-Jan-25 28-Jan-25*			
ND10510 ND40300	Project Closeout - ND Oxygenation Trains  Project Closeout - ND Oxygenation Trains	90	29-Jan-25	28-Apr-25*			
ND70430	EPA Compliance Date for Construction - ND Oxygenation Trains	0	25-0411-25	06-Mar-26*			
Project Administration		2273 0	)1-Jun-18 A	28-Apr-25			
ND21520	WASD Project Administration - ND Oxygenation Trains		)1-Jun-18 A	28-Apr-25			
3.04 Oxygen Produ	luction	3151 2	21-Jul-17 A	06-Mar-26			
Pre-Design		150 2	21-Jul-17 A	01-Jun-18 A		<b>V</b> 01-Ju	n-18 A; Pre-Design
ND70750	Pre-Design (BODR) - ND Oxygen Production		21-Jul-17 A	01-Jun-18 A	li	Pre-F	lesign (BODR) - ND Dwgen Production
Engineering De sign			01-Jun-18 A	05-Mar-21			05-Mar-21, Engineering Design
ND20160	Basis of Design Report (BODR) - ND Oxygen Production		11-Jun-18 A	08-Apr-19 A		_	Basis of Design Report (BODR) - ND Oxygen Production
ND20170	BODR Review/Re-submittal - ND Oxygen Production		09-Apr-19 A	11-Jul-19			BODR Review/Re-submittal + ND Oxygen Production
ND20180 ND70920	Negotiate Phase II Design - ND Oxygen Production  EPA Start Date for Engineering Design - ND Oxygen Production		2-May-19 A 01-Apr-20*	02-Oct-19			Negotiate Phase II Design - ND Oxygen Production
ND20190	Design Criteria Package Initial Submittal - ND Oxygen Production		03-Oct-19	28-Jun-20			◆ EPA Start Date for Engineering Design - ND Owgen Production
ND40480	Issue Final RDBS - ND Oxygen Production		31-Mar-20	28-Jun-20			Design Criteria Package Initial Submittal -ND Oxygen Production
ND20200	Final Basis of Design Report (BODR) and Specs - ND Oxygen Production		29-Jun-20	25-Nov-20			lssue Final RDB\$ - ND Oxygen Production Final Basis of Design Report (BODR) and Specs - ND Oxygen Production
ND70440	EPA Compliance Date for Engineering Design - ND Oxygen Production	0		17-Dec-20*			Final basis of Design Report (BODR);and Specs - ND Oxygen Production  ◆ EPA Compliance Date for Engineering Design - ND Oxygen Production
ND20210	DCP Design Review - ND Oxygen Production	90	26-Nov-20	23-Feb-21			□ DCP Design Review - ND Oxygen Production
ND10370	Engineering Design - ND Oxygen Production	815 0	)1-Jun-18 A	05-Mar-21			Engineering Design - ND Oxygen Production
ND20310	Final DCP Submittal - ND Oxygen Production	10	24-Feb-21	05-Mar-21	li.		
Permitting			18-Dec-20	17-Dec-21			▼ 17-Dec-21, Permitting
ND70940	EPA Start Date for Permitting - ND Oxygen Production		18-Dec-20*				◆ EPA Start Date for Permitting ND Oxygen Production
ND10400	Permitting - ND Oxygen Production	270	06-Mar-21	30-Nov-21			Permitting - ND Oxygen Production

	ecree Schedule - June 2019 Update	Orient al			Baseline (By Phas		0047		0040			2040	1 0000	13-Jul-19 15:03 - Page No. 39 of 70
ivity ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4		2017	и 01	2018	3 04		2019 - 1 03 T	2020	2021 2022 2023 2024   Q2   Q3   Q4   Q1   Q2   Q3   Q4   Q1   Q2   Q3   Q4   Q1   Q
ND70450	EPA Compliance Date for Permitting - ND Oxygen Production	0		17-Dec-21*	Q1 Q2 Q3 Q-	+   Q1   Q	2 03 0	4 Q1	QZ G	3 Q4	Q1 Q2	. Q3	4 Q1 Q2 Q5 Q4 Q1	
Procurement	, , , , , , , , , , , , , , , , , , , ,	902	29-Jun-20	17-Dec-22	<b></b>							· - <mark>-  </mark>	<del></del>	◆ EPA Compliance Date for Permitting - ND:Ox/gen Product 17-Dec-22; Procurement
ND71400	Internal Bid Package Review - ND Oxygen Production	30	29-Jun-20	28-Jul-20	7								☐ Internal Rid F	Package Review - ND Oxygen Production
ND21280	RDBS sent to ISD - ND Oxygen Production	0	29-Jul-20		7			- i - i			į			DISD - ND Oxygen Production
ND21290	Submit/Approve SBD Goals and Request to Advertise - ND Oxygen Production	30	29-Jul-20	27-Aug-20	7									prove SBD Goals and Request to Advertise - ND Oxygen Production
ND21300	Advertise RDBS - ND Oxygen Production	0	28-Aug-20											DBS - ND Ox/gen Production
ND71950	Request for Qualifications - ND Oxygen Production	90	28-Aug-20	25-Nov-20							- 1			lest for Qualifications - ND Oxygen Production
ND71960	Qualifications Package Due - ND Oxygen Production	0	26-Nov-20											ifications Package Due - ND Oxygen Production
ND71970	Qualifications Review Period - ND Oxygen Production	90	26-Nov-20	23-Feb-21								II i		Qualifications Review Period - ND Oxygen Production
ND71980	Shortlist Published - ND Oxygen Production	0											•	Shortlist Published - ND Oxygen Production
ND21310	Request for Proposals - ND Oxygen Production	90		24-May-21										Request for Proposals - ND Oxygen Production
ND21320	Proposals Due - ND Oxygen Production	0	25-May-21											◆ Proposals Due - ND Oxygen Production
ND21330	Proposal Review Period - ND Oxygen Production	30	25-May-21	23-Jun-21	_									☐ Proposal Review Period - ND Oxygen Production
ND21340	Award Recommendation - ND Oxygen Production	0		23-Jun-21							i			◆ Award Recommendation - ND Oxygen Production
ND71990	Contract Negotiations - ND Oxygen Production	80		11-Sep-21										Contract Negotiations - ND Oxygen Production
ND70930	EPA Start Date for Procurement - ND Oxygen Production	0	18-Dec-21*		4									◆ EPA Start Date for Procurement - ND Oxygen Production
ND10450	Procurement - ND Oxygen Production	550	29-Jul-20	29-Jan-22										Procurement - ND Oxygen Produ
ND21350	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygen Production	140	12-Sep-21	29-Jan-22	_									Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxyger
ND70460	EPA Compliance Date for Procurement - ND Oxygen Production	0	00.1.55	17-Dec-22*	<b></b>							<mark> </mark>		◆ EPA Compliance Date for Procu
Construction	Outer trackleting to Decreed (ATTD) ATD Co	1497	30-Jan-22	06-Mar-26										
ND10488	Contractor Notice to Proceed (NTP) - ND Oxygen Production	0	30-Jan-22								:			◆ Contractor Notice to Proceed (NTP) - ND Oxygen Prod
ND70950	EPA Start Date for Construction - ND Oxygen Production	0	18-Dec-22*	00.1 ==	4									◆ EPA Start Date for Construction
ND10490	Construction - ND Oxygen Production	1095	30-Jan-22	28-Jan-25	-						-			
ND71830	Commissioning - ND Oxygen Production	30	30-Dec-24	28-Jan-25	-						-			
ND10500	Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygen Production	0	00 1 05	28-Jan-25*	_									
ND40310	Project Closeout - ND Oxygen Production	90	29-Jan-25	28-Apr-25*	-									
ND70470	EPA Compliance Date for Construction - ND Oxygen Production	0	04 him 40 A	06-Mar-26*										
Project Administration		2273		28-Apr-25	_									
ND21530	WASD Project Administration - ND Oxygen Production	2273		28-Apr-25		<u> </u>	<u> </u>							
3.05 Secondary Cl	IATMETS	4842	,	24-Aug-27									12.No	v.20, Engineering Design
Engineering Design	Frankranian Daving ND Constraint On the second of the seco	2269		12-Nov-20							- 1			
ND10300	Engineering Design - ND Secondary Clarifiers	925		09-Mar-17 A						- 1			Engin	eering Design - ND Secondary Clarifiers
ND70960	EPA Start Date for Engineering Design - ND Secondary Clarifiers	0	31-Dec-18 A	40 No. 100*	-					•	EPA Sta	art Date fo	Engineering Design - ND Second	lary Clarifiers
ND70480	EPA Compliance Date for Engineering Design - ND Secondary Clarifiers	0	0714 454	12-Nov-20*	_ <u>iii</u>							<mark>.</mark> j.	◆ EPA (	Compliance Date for Engineering Design - ND Secondary Clarifiers.
Permitting	Description AID Consolution Obstitute	2238		11-May-21										
ND10360	Permitting - ND Secondary Clarifiers	945		10-Oct-17 A	1 1 1	! !	+							Permitting - ND Secondary Clarifiers
ND70970	EPA Start Date for Permitting - ND Secondary Clarifiers	0	13-Nov-20*	44.14 04.5	-								◆ EPA S	Start Date for Permitting - ND Secondary Clarifiers
ND70490	EPA Compliance Date for Permitting - ND Secondary Clarifiers	0	00 0-4444	11-May-21*										◆ EPA Compliance Date for Permitting - ND Secondary Clarifiers 05-Feb-22, Procurement
Procurement	December of ND Consider Ober 5 and	2683		05-Feb-22	-									
ND10410	Procurement - ND Secondary Clarifiers	1393		16-Dec-18 A		<u> </u>		•			İ			Procurement - ND Secondary Clarifiers
ND70980 ND70500	EPA Start Date for Procurement - ND Secondary Clarifiers  EPA Compliance Date for Procurement - ND Secondary Clarifiers	0		05-Feb-22*	-							II i	•	EPA Start Date for Procurement - ND Secondary Clarifiers
L	EFA Compliance Date for Floculement - ND Secondary Claimers	4601		24-Aug-27										
Construction ND70990	EPA Start Date for Construction - ND Secondary Clarifiers	4601		24-Aug-27	-									
ND10470	Construction - ND Secondary Clarifiers	3311		14-Oct-22	_					•	EPA Start	Date for	onstruction - ND Secondary Clarif	ieis
ND10520	Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers	0		14-Oct-22*	1 1 1	1 1	1 1	1 1	i		i i			
ND70510	EPA Compliance Date for Construction - ND Secondary Clarifiers	0		24-Aug-27*	-							II i		◆ Substantial Completion (CD Complia
		1158		29-Jun-17 A			29-Jun	17A.30	5 (1) Se	condary C	laifieis (F	epace M	echanisms;#1-10	
	Clarifiers (Replace Mechanisms #1-10	281	•	05-Jun-15 A	, Engineering Design									
Engineering Design ND20030	Engineering Design (BODR) - Replace Mechanisms #3, 6 & 8		-		-									
ND20030 ND20690	Engineering Design (BODR) - Replace Mechanisms #3, 6 & 8  Engineering Design (BODR) - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	142	-	16-Jan-15 A 05-Jun-15 A	ODR) - Replace Mech									
Procurement	=gsoning σουgri (σοσιή ποριασο Ινιοσπατιωπό, ε, τ, σ, τ, σ, α το	353		21-Sep-15 A	Design (BODR) - Repl	lace Mechar	nisms #1, 2	.4,5,7,9	2. & 10			·- <mark> </mark>		÷
ND20050	Procurement - Replace Mechanisms #3, 6 & 8	106		16-Jan-15 A							1			
	•	230		21-Sep-15 A	e Mechanisms #3, 6 &						;			
	Procurement - Replace Mechanisms #1 2 4 5 7 0 8 10		OT I CD-13 M	21-0ch-10 A	rement - Replace Me	chanisms.#1	1, 2, 4, 5, 7	9, & 10 17 A. Co	nstruction			· - <mark>-</mark>		·\$\$\$\$\$\$\$\$-
ND20700	Procurement - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10		19- lan-15 A	20- lun-17 A				., 👓		. :	- 1			
ND20700 Construction		1014		29-Jun-17 A 30-Nov-15 A	-					- 1				
ND20700 Construction ND20060	Construction - Replace Mechanisms #3, 6 & 8	1014 316	19-Jan-15 A	30-Nov-15 A	Construction - Replace	Mechanism	ns#3,6&8	- 1 1						
ND20700 Construction ND20060 ND20710	Construction - Replace Mechanisms #3, 6 & 8 Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	1014 316 556	19-Jan-15 A	30-Nov-15 A 30-Mar-17 A	-	Mechanism C	ns#3, 6 & 8 Construction	- Replace		1 1	1			
ND20700 Construction ND20060 ND20710 ND20070	Construction - Replace Mechanisms #3, 6 & 8  Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10  Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10	1014 316 556	19-Jan-15 A 22-Sep-15 A	30-Nov-15 A 30-Mar-17 A 30-Mar-17 A	-	Mechanism C	ns #3, 6 & 8 construction Substantial C	- Replace ompletion	n (CD Cor	npliance l	Date 8/24	(2 <mark>7</mark> ) - Rec	ace Mechanisms #1-10	
ND20700 Construction ND20060 ND20710 ND20070 ND70730	Construction - Replace Mechanisms #3, 6 & 8  Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10  Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10  Project Closeout - Replace Mechanisms #1-10	1014 316 556 0 212	19-Jan-15 A 22-Sep-15 A 31-Mar-17 A	30-Nov-15 A 30-Mar-17 A 30-Mar-17 A 29-Jun-17 A	-	Mechanism C	ns #3, 6 & 8 construction Substantial C	- Replace	n (CD Cor	npliance l	Date 8/24	(2 <mark>7</mark> ) - Rec	ace Mechanisms #1-10	
ND20700 Construction ND20060 ND20710 ND20070 ND70730 Project Administration	Construction - Replace Mechanisms #3, 6 & 8  Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10  Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10  Project Closeout - Replace Mechanisms #1-10	1014 316 556 0 212 1158	19-Jan-15 A 22-Sep-15 A 31-Mar-17 A 28-Aug-14 A	30-Nov-15 A 30-Mar-17 A 30-Mar-17 A 29-Jun-17 A 29-Jun-17 A	-	Mechanism C	ns #3, 6 & 8 construction substantial C Project 29-Jun	- Replace ompletion Closeout 17 A , Pro	n (CD Cor - Replace Ject Adm	npliance l Mechan inistration	Date 8/24 isms #1-1	/2 <mark>7) - Re</mark> c		
ND20700 Construction ND20060 ND20710 ND20070 ND70730 Project Administration ND21540	Construction - Replace Mechanisms #3, 6 & 8  Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10  Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10  Project Closeout - Replace Mechanisms #1-10  WASD Project Administration - Replace Mechanisms #1-10	1014 316 556 0 212 1158	19-Jan-15 A 22-Sep-15 A 31-Mar-17 A 28-Aug-14 A 28-Aug-14 A	30-Nov-15 A 30-Mar-17 A 30-Mar-17 A 29-Jun-17 A 29-Jun-17 A	-	Mechanism C	ns #3, 6 & 8 construction substantial C Project 29-Jun	- Replace ompletion	n (CD Cor - Replace Ject Adm	npliance l Mechan inistration	Date 8/24 isms #1-1	/2 <mark>7) - Re</mark> c		15-Nov-22, 3;05 (2) Secondary,Cl
ND20700   Construction   ND20060   ND20710   ND20070   ND70730   Project Administration   ND21540   3.05 (2) Secondary	Construction - Replace Mechanisms #3, 6 & 8  Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10  Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10  Project Closeout - Replace Mechanisms #1-10	1014 316 556 0 212 1158	19-Jan-15 A 22-Sep-15 A 31-Mar-17 A 28-Aug-14 A 28-Aug-14 A 23-May-14 A	30-Nov-15 A 30-Mar-17 A 30-Mar-17 A 29-Jun-17 A 29-Jun-17 A 15-Nov-22	-	Mechanism C	ns #3, 6 & 8 construction substantial C Project 29-Jun	- Replace ompletion Closeout 17 A , Pro	n (CD Cor - Replace Ject Adm	npliance l Mechan inistration	Date 8/24 isms #1-1	/2 <mark>7) - Re</mark> c		▼ 15-Nov22, 3;05 (2) Secondary.Cl
ND20700 Construction ND20060 ND20710 ND20070 ND70730 Project Administration ND21540 3.05 (2) Secondary Pre-Design	Construction - Replace Mechanisms #3, 6 & 8  Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10  Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10  Project Closeout - Replace Mechanisms #1-10  WASD Project Administration - Replace Mechanisms #1-10  Clarifiers (Remaining Scope of Work)	1014 316 556 0 212 1158 1158 3642	19-Jan-15 A 22-Sep-15 A 31-Mar-17 A 28-Aug-14 A 28-Aug-14 A 23-May-14 A 23-May-14 A	30-Nov-15 A 30-Mar-17 A 30-Mar-17 A 29-Jun-17 A 29-Jun-17 A 29-Jun-17 A 15-Nov-22 27-Aug-14 A	Construction - Replace	e Mechanism C	ns #3, 6 & 8 construction substantial C Project 29-Jun	- Replace ompletion Closeout 17 A , Pro	n (CD Cor - Replace Ject Adm	npliance l Mechan inistration	Date 8/24 isms #1-1	/2 <mark>7) - Re</mark> c		▼ 15-Nov22, 3;05 (2) Secondary.Cl
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ND20700 Construction ND20060 ND20710 ND20070 ND70730 Project Administration ND21540 3.05 (2) Secondary Pre-Design ND11405 Engineering Design ND20320 ND20330 ND20335 ND20340	Construction - Replace Mechanisms #3, 6 & 8 Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10 Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10 Project Closeout - Replace Mechanisms #1-10  WASD Project Administration - Replace Mechanisms #1-10  Clarifiers (Remaining Scope of Work)  Pre-Design - ND Secondary Clarifiers (Remaining Scope)  Basis of Design Report (BODR) - ND Secondary Clarifiers Negotiate Scope & Cost with MWH - ND Secondary Clarifiers (Remaining Scope)  Issue Task Authorization - ND Secondary Clarifiers (Remaining Scope) 30% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	1014 316 556 0 212 1158 1158 3642 97 97 924 216 233 0	19-Jan-15 A 22-Sep-15 A 31-Mar-17 A 28-Aug-14 A 28-Aug-14 A 23-May-14 A 23-May-14 A 28-Aug-14 A 28-Aug-14 A 28-Feb-15 A 18-Dec-15 A	30-Nov-15 A 30-Mar-17 A 30-Mar-17 A 29-Jun-17 A 29-Jun-17 A 15-Nov-22 27-Aug-14 A 27-Aug-14 A 09-Mar-17 A 31-Mar-15 A 13-Oct-15 A	rifiers: (Remaining Sco Report (BODR) - ND Scotiate Scopie & Cost w Issue Task Authorizat	Del 09- econdary Clawith MWH-I ion - ND Sec	ms #3, 6 & 8 & 6 & 6 & 6 & 6 & 6 & 6 & 6 & 6 &	Replace ompletion Closeous 17 A, Pro Project A  Engine enfo any Clarifie iffiers (Replace)	n (CD Cor Replaced Jed Adm dministra g Design ers (Rema maining S ifiers (Rer	nplance le Mechan inistration inistration - Rep lining - Rep lining Scope) naining S	Date 8/24, isms #1-1 lace Mech	/2 <mark>7) - Re</mark> c		▼ 15-Nov-22, 3,05 (2) Secondary/Ci
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WASD Consent Decree Sch	•			. ,	Baseline (By Phase) 13-Jul-19 15:03 - Page No. 40 of 76
ctivity ID Activity	y Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024
ND20090 Engine	eering Design - ND Secondary Clarifiers (Remaining Scope)	925	28-Aug-14 A	09-Mar-17 A	Q1     Q2     Q3     Q4     Q1     Q2     Q3     <
	Design Review/Permit Ready Submittal - ND Secondary Clarifiers (Remaining Scope)	28	10-Feb-17 A	09-Mar-17 A	Engineering Design - ND Secondary Clarifiers (Remaining Scope)
Permitting		945	27-Mar-15 A	10-Oct-17 A	■ 100% Design Review/Permit Ready Submittal - ND Serondary Clarifiers (Remaining Scope)  10 Oct-17 A, Permitting
ND70240 FDEP	Permit - ND Secondary Clarifiers (Remaining Scope)	693	27-Mar-15 A	16-Feb-17 A	FDEP Permit - ND Secondary Clarifiers (Remaining Scope)
ND70250 RER F	Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	23-Jun-17 A	RER Permit - ND Secondary Clarifiers (Remaining Scope)
ND70270 Fire Do	Department Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	24-Aug-17 A	Fire Department Permit -ND Secondary Clarifiers (Remaining Scope)
ND20100 Permit	itting - ND Secondary Clarifiers (Remaining Scope)	945	27-Mar-15 A	10-Oct-17 A	Permitting - ND Secondary Clarifiers (Remaining Scope)
ND70260 City of	f North Miami Permit - ND Secondary Clarifiers (Remaining Scope)	186	24-Apr-17 A	10-Oct-17 A	Citý of North Miami Pérmit - ND Sécondary Clairfiers (Remaining Scope)
Procurement		586	26-May-17 A	16-Dec-18 A	To 16-Dec-18 A, Procurement
	U submittal and approval - ND Secondary Clarifiers (Remaining Scope)	21		15-Jun-17 A	■ GMOU submittal and approval - ND Secondary Carifiers (Remaining Scope)
	al Bid Package Review - ND Secondary Clarifiers (Remaining Scope)	14	08-Nov-17 A	14-Dec-17 A	■ Internal Bid Package Review - ND Secondary Clarifiers (Remaining Scope)
	n Documents Sent to Procurement - ND Secondary Clarifiers (Remaining Scope)	0	15-Dec-17 A	04 5 1 40 4	Design Documents Sent to Procure then - ND Secondary Clarifiers (Remaining Scope)
	nit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)	60		21-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)
	tise Bid Package - ND Secondary Clarifiers (Remaining Scope)	37	22-Feb-18 A 22-Feb-18 A	26-Apr-18 A	Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)
	olicitation Period - ND Secondary Clarifiers (Remaining Scope)  Due - ND Secondary Clarifiers (Remaining Scope)	0		20-Api-16 A	Bid Soliditation Period - ND Secondary Clarifiers (Remaining Scope)
	eview Period - ND Secondary Clarifiers (Remaining Scope)	30		02-Oct-18 A	Bids Due - ND Secondary Carifiers (Remaining Scope)
	d Recommendation - ND Secondary Clarifiers (Remaining Scope)	0	21-Api-10A	02-Oct-18 A	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)
	rement - ND Secondary Clarifiers (Remaining Scope)	256	15-Dec-17 A	16-Dec-18 A	→ Award Recommendation - ND Secondary Clarifiers (Remaining Scope)
	Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)	60	03-Oct-18 A	16-Dec-18 A	Procurement - ND Secondary Clarifiers (Remaining Scope)
Construction	11	1396	20-Dec-18 A	15-Nov-22	Final Approvals (BCC, Mayor, Risk Mgmt.): ND.\$econdary Clarifier's (Remaining Scope). ▼ 15-Nov-22, Construction
	actor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)	0			
	truction - ND Secondary Clarifiers (Remaining Scope)	1395		14-Oct-22	◆ Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)
	nissioning - ND Secondary Clarifiers	30	15-Sep-22	14-Oct-22	Cohstruction - ND Secondary Clarifiers
	(2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)	0	·	14-Oct-22*	□ Commissioning - ND Secondary Clarific  → 3.05 (2) \$ubstantial Completion (CD C
	ct Closeout - ND Secondary Clarifiers	32	15-Oct-22	15-Nov-22*	
Project Administration		3545	28-Aug-14 A	15-Nov-22	Project Closelout - ND Secondary Cla
ND21550 WASI	D Project Administration - ND Secondary Clarifiers	3545	28-Aug-14 A	15-Nov-22	WASD Project Administration - ND S
3.06 Disinfection		2334	21-Apr-14 A	09-Sep-20	▼ 09-Sep-20, 3.06 :Disinfection
Pre-Design		114	16-Feb-15 A	10-Jun-15 A	, Pre-Design
ND20010 Pre-De	esign - ND Disinfection	115	16-Feb-15 A	10-Jun-15 A	ND Disinfection
Engineering Design		1081	21-Apr-14 A	06-Apr-17 A	▼ 06-Apr-17,A, Engineefing Design
ND20000 Review	w Existing Design for Storm Surge & Code Changes - ND Disinfection	253	21-Apr-14 A	29-Dec-14 A	for Storm Surge & Code Changes - ND Disinfection
ND20020 Revise	e Design for Code and Storm Surge Changes - ND Disinfection	267	11-Jun-15 A	03-Mar-16 A	Revise Design for Code and Storm Surge Changes - ND Disinfection
ND10190 Engine	eering Design - ND Disinfection	826	21-Apr-14 A	24-Jul-16 A	Engineering Delsign - ND Disinfection
ND71000 EPA S	Start Date for Engineering Design - ND Disinfection	0	01-Feb-17 A		◆ EPA Start Date for Engineering Design - ND Disinfection
ND70520 EPA C	Compliance Date for Engineering Design - ND Disinfection	0		06-Apr-17 A	◆ EPA Compliance Date for Engineering Design - ND Disinfection  ✓ 22-Feb-19 A, Permitting
Permitting		901	25-Jul-16 A	22-Feb-19 A	▼ 22-Feb-19 A; Permtting
·	f N. Miami Permit - ND Disinfection	22	25-Jul-16 A	15-Aug-16 A	City of N. Miajmi Permit - ND Disinfection
	Start Date for Permitting - ND Disinfection	0	07-Apr-17 A		♦ EPA Start Date for Permitting - ND Disinfection:
	M Permit - ND Disinfection	443	15-Aug-16 A	22-Nov-17 A	DERM Permit - ND Disinfection
	Compliance Date for Permitting - ND Disinfection	0		06-Apr-18 A	◆ EPA Compliance Date for Permitting - ND Disinfection
	Permit - ND Disinfection	43		13-Nov-18 A	FDEP Permit ND Disinfection
	itting - ND Disinfection	464	25-Jul-16 A	22-Feb-19 A	Permitting - ND Disinfection
	Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection	112		22-Feb-19 A	Bidg Dept, RER, Fire Dept - City of North Miami Permit - ND. Disinfection.
Procurement ND71590 GMOU	Laubmittal and approval. ND Disinfaction	634		06-Apr-19 A	
	U submittal and approval - ND Disinfection  al Bid Package Review - ND Disinfection	26		29-Aug-17 A 05-Sep-17 A	GMOÜ submittal and approval - ND Disinfection
	al Bid Package Review - ND Disinfection  n Documents Sent to Procurement - ND Disinfection	0		03-3ep-17 A	Internal Bid Package Review -ND Disinfection
	nit/Approve SBD Goals and Request to Advertise - ND Disinfection	60	05-Oct-17 A	04-Jan-18 A	Design Documents Sent to Procurement - ND Disinfection
	tise Bid Package - ND Disinfection	0		5-5air10A	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection
	olicitation Period - ND Disinfection	60		07-Mar-18 A	♦ Advertise Bid Package - ND Disinfection
	Due - ND Disinfection	0			Bid Solicitation Period - ND Dish fection
	Start Date for Procurement - ND Disinfection	0			▶ Bids Due - ND Disinfection     ► EPA Start Pote for Programment - ND Disinfection
	eview Period - ND Disinfection	30	·	30-Aug-18 A	► EPA Start Date for Procurement - ND Disinfection
	d Recommendation - ND Disinfection	0	-	30-Aug-18 A	Bid Review Period - ND Disinfection
ND10260 Procui	rement - ND Disinfection	227	21-Nov-17 A	10-Sep-18 A	→ Award Recommendation - NiD Disinfection  Procurement - NID Disinfection
	Approvals (BCC, Mayor, Risk Mgmt.) - ND Disinfection	71		10-Sep-18 A	■ Final Approvals (BCC, Mayor, Risk Mamt.) ND Disinfection
	Compliance Date for Procurement - ND Disinfection	0		06-Apr-19 A	
Construction		538	25-Feb-19 A	09-Sep-20	▼ 19-Sep-20, Construction
ND10328 Contra	actor Notice to Proceed (NTP) - ND Disinfection	0	25-Feb-19 A		◆ Contractor Notice to Progeed (NTP) - ND Disinfection
ND71030 EPA S	Start Date for Construction - ND Disinfection	0	07-Apr-19 A		◆ EPA Start Date for Construction - NID Disinfection
ND10330 Consti	truction - ND Disinfection	520	25-Feb-19 A	28-Jul-20	Construction - ND Disinfection
ND71850 Comm	nissioning - ND Disinfection	30	29-Jun-20	28-Jul-20	Commissioning - ND Disinfection
	tantial Completion (CD Compliance Date 9/09/20) - ND Disinfection	0		28-Jul-20*	◆ Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection
	ct Closeout - ND Disinfection	30	29-Jul-20	27-Aug-20*	□ Project Closeout -ND Disinfection
ND70550 EPA C	Compliance Date for Construction - ND Disinfection	0		09-Sep-20*	▶ EPA Compliance Date for Construction - ND Disinfection     27-Aug-20, Project Administration
Project Administration		1735		27-Aug-20	27-Aug-20, Project Administration
ND21560 WASI	D Project Administration - ND Disinfection	1735		27-Aug-20	WASD Project Administration - ND Disinfection  ▼ 28-Dec-21, 3.07: Effluent Disposal:
3.07 Effluent Disposal		2868	21-Feb-14 A	28-Dec-21	▼ 28-Dec-21, 3.07; Effluent Disposal
Pre-Design		145	06-Oct-14 A	28-Feb-15 A	leagn
ND11415 2 - Pre	e-Design - ND Ocean Outfall Pump Station	146	06-Oct-14 A	28-Feb-15 A	Ocean Outfall Pump. Station.  ▼ 12-Sep-16 A, Engineering Design
Engineering De sign		825	09-Jul-14 A	12-Sep-16 A	▼ 12-Sep-16 A, Engineering Design

	cree Schedule - June 2019 Update	Origin - I		ard Layout w E	Baseline (By Phase) 13-Jul-19 15:03 - Page No. 41 of 76
ivity ID	Activity Name	Original Duration	Start	FILISH	2016 2017 2018 2019 2020 2021 2022 2023 2024 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
ND20780	1b - Engineering Design - DIW Pump Station Electrical	119	09-Jul-14 A	06-Oct-14 A	V Pump Station Electrical
ND10120	Engineering Design (Summary) - ND Effluent Disposal	431	09-Jul-14 A	16-Oct-15 A	Engineering Design (Summary) - ND Effluent Disposal;
ND20730	1a - Engineering Design - DIW Pump Station Mechanical	431	12-Aug-14 A	16-Oct-15 A	Engineering Design - DIW Pump Station Mechanical
ND71040	EPA Start Date for Engineering Design - ND Effluent Disposal	0	01-Dec-15 A		EPA Start Date for Engineering Design - ND Effluent Disposal
ND70560	EPA Compliance Date for Engineering Design - ND Effluent Disposal	0		12-Sep-16 A	◆ EPA Compliance Date for Engineering Design - ND Effluent Disposal
Permitting		1775		27-Dec-19	▼ 27-Dec-19, Permitting
ND20790	1b - Permitting - DIW Pump Station Electrical	31		19-Mar-15 A	MV Pump Station Electrical
ND10140	Permitting (Summary) - ND Effluent Disposal	291	17-Feb-15 A	04-Dec-15 A	Permitting (Summary) - ND Effluent Disposal
ND20740	1a - Permitting - DIW Pump Station Mechanical  EPA Start Date for Permitting - ND Effluent Disposal	207	12-May-15 A	04-Dec-15 A	la - Permitting - DMV Pump Station Mechanical
ND71050 ND70570	EPA Start Date for Permitting - ND Effluent Disposal  EPA Compliance Date for Permitting - ND Effluent Disposal	0	13-Sep-16 A	27-Dec-19*	◆ EPA Start Date for Permitting - ND Effluent Disposal
Procurement	EPA Compliance Date for Permitting - ND Efficient Disposal	2268	21-Feb-14 A	07-May-20	◆ EPA Compliance Date:for Permitting - ND Effluent Disposal
ND20800	1b - Procurement - DIW Pump Station Electrical	110		10-Jun-14 A	
ND11425	1b - Owner Pre-Purchase Elect. Equip DIW Pump Station Electrical	586		16-Dec-15 A	In Electrical
ND21120	1a - Design Documents Sent to Procurement - DIW Pump Station Mechanical	0	•		1b - Owner Pre-Purchase Elect. Equip DW Pump Station Electrical
ND21130	1a - Submit/Approve SBD Goals and Request to Advertise - DIW Pump Station Mechanical	28	•	02-Jun-16 A	♦ 1a - Design Documents Sent to Procurement - DIW Pump Station Mechanical  1a - Submit/Approve SBD Goals and Request to Advertise - DIW Pump Station Mechanical
ND21140	1a - Advertise Bid Package - DW Pump Station Mechanical	0	03-Jun-16 A		
ND21150	1a - Bid Solicitation Period - DIW Pump Station Mechanical	41	03-Jun-16 A	13-Jul-16 A	■ 1a - Bid Solicitation Period - DIW Pump Station Mechanical
ND21160	1a - Bids Due - DIW Pump Station Mechanical	0	14-Jul-16 A		◆ 1a - Bids Due - DW Pump Station Mechanical
ND21170	1a - Bid Review Period - DW Pump Station Mechanical	50	14-Jul-16 A	01-Sep-16 A	1a - Bid Review Period - DW Pump Station Mechanical
ND21180	1a - Award Recommendation - DIW Pump Station Mechanical	0		01-Sep-16 A	Award Recommendation + DIW Pump Station Mechanical
ND20750	1a - Procurement - DIW Pump Station Mechanical	165	06-May-16 A	17-Oct-16 A	1a - Procurement - DIW Pump Station Mechanical
ND21190	1a - Final Approvals (BCC, Mayor, Risk Mgmt.) - DIW Pump Station Mechanical	46	02-Sep-16 A	17-Oct-16 A	1a Final App rovals (BCC, Ma yor, Risk Mgmt.) - DIM Pump Station Mechanical
ND10230	Procurement (Summary) - ND Effluent Disposal	970		17-Oct-16 A	Procurement (Summary) - ND Effluent Disposal
ND71060	EPA Start Date for Procurement- ND Effluent Disposal	0	13-Sep-17 A		◆ EPA Start Date for Procurement- ND Effluent Disposal
ND70580	EPA Compliance Date for Procurement - ND Effluent Disposal	0		07-May-20*	◆ EPA Compliance Date for:Proculement - ND:Effluent Disposal 28-Dec-21, Construction
Construction		2585		28-Dec-21	▼ 28-Lec-21, Construction
ND11345	2 - Construction - ND Ocean Outfall Pump Station	96	01-Dec-14 A	06-Mar-15 A	ID Ocean Outfall Pump Station
ND11355	2 - Substantial Completion (CD Compliance Date 12/28/21) - ND Ocean Outfall Pump Station	0		06-Mar-15 A	npletion (CD Compliance Date 12/28/21) - ND Ocean Outfall Pump Station
ND20810	1b - Construction - DW Pump Station Electrical	317	18-Feb-15 A	31-Dec-15 A	1b - Construction - DIW Pump Station Electrical
ND20820	1b - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Electrical	0		31-Dec-15 A	1b Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Electrical
ND20758	1a - Contractor Notice to Proceed (NTP) - DIW Pump Station Mechanical	0	18-Oct-16 A	00 1 10 1	◆ 1a;- Contractor Notice to Proceed (NTP) - DW Pump Station Mechanical
ND20760	1a - Construction - DIW Pump Station Mechanical	609	18-Oct-16 A	29-Jun-18 A	1a ∹Construction - DM Pump Station Mechanical
ND10460 ND10458	Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal  1a - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Mechanical	0		29-Jun-18 A 29-Jun-18 A	♦ Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal
ND10438	Construction (Summary) - ND Effluent Disposal	1217	18-Feb-15 A	18-Jul-18 A	◆ 1a - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Mechanical
ND10200	Construction (Summary) - ND Emident Disposal	1217	10-Len-12 W	10-Jul-10 A	Construction (Summarly) - ND Effluent Disposal
ND40340	Project Classout - DM/ Pump Station Machanical	90	20- lun-19 A	30-Aug-10*	<b>.</b>
ND40340 ND71070	Project Closeout - DW Pump Station Mechanical  EPA Start Date for Construction - ND Effluent Disposal		29-Jun-18 A 08-May-20*	30-Aug-19*	Project Closeout - DW Pump Station Mechanica
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ND71070 ND70590	EPA Start Date for Construction - ND Effluent Disposal  EPA Compliance Date for Construction - ND Effluent Disposal	0		28-Dec-21*	◆ EPA Start Date for Construction - ND Effluent Disposal
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ND71070 ND70590 Project Administration ND21570 3.08 Plant Wide Elemant Engineering Design ND71080	EPA Start Date for Construction - ND Effluent Disposal  EPA Compliance Date for Construction - ND Effluent Disposal  WASD Project Administration - DIW Pump Station Electrical  EPA Start Date for Engineering Design - ND Plant Wide Electrical	0 0 1560 1560 3044 1924 0	08-May-20*  09-Jul-14 A  09-Jul-14 A  21-Apr-14 A  21-Apr-14 A  21-Apr-14 A	28-Dec-21* 30-Aug-19 30-Aug-19 20-Aug-22 20-Jan-17 A	
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tivity ID	Activity Name	Original Duration	Start	Finish	2016		017	20			2019	2020			2021		2022		20		2024
ND70700	EPA Compliance Date for Procurement - ND Yard Piping Replacement	0		09-Oct-18 A	Q1 Q2 Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2			1	rocurement - N				i   Q1   Q	2   Q3   C	24   Q1	Q2	Q3 Q	4 Q1 Q2
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ND20870	Rehab 1st 84" Pipe - ND Yard Piping Replacement	123	25-May-15 A	24-Sep-15 A	ib 1st 84" Pipe - ND Ya	rd Piping Rei	placement														
ND10290	Construction - ND Yard Piping Replacement	366	25-May-15 A	24-May-16 A												Construc	ion - ND Ya	rd Pipin	g Replac	ement	
ND20860	Rehab 2nd 84" Pipe - ND Yard Piping Replacement	83	03-Mar-16 A	24-May-16 A	Rehab 2nd	84" Pipe - N	ID Yard Piping	Replacemen	nt												
ND10440	Substantial Completion (CD Compliance Date 12/04/21) - ND Yard Piping Replacement	0	10 Oct 10 A	24-May-16 A	◆ Substantia	Completion	(CD Complian	nce Date 12/0	04/21) - ND	Yard Piping	n <mark>R</mark> eplacemen	it									
ND71190 ND70710	EPA Start Date for Construction - ND Yard Piping Replacement  EPA Compliance Date for Construction - ND Yard Piping Replacement	0	10-Oct-18 A	04-Dec-21*	-				<b>♦</b> EP	A Start Date	e <mark>f</mark> or Construc	tion - ND Yard	Piping Rep	lacement							
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ND21600	WASD Project Administration - ND Secondary Clarifiers	415	•	24-May-16 A		J ]]															
3.11 SCADA RTU U	· · · · · · · · · · · · · · · · · · ·	540	· ·	24-Mar-15 A	WASD Pro	ect.Administ es	ration - IND Se	acondary.Clar	intiers.	† <u>-</u>		{ <del> </del>									
Construction	770	540	30-Sep-13 A	24-Mar-15 A	struction			}	{ }	÷		{ <del> </del>									
ND71200	EPA Start Date for Construction - ND SCADA RTU Upgrades	0	01-Oct-13 A		rades																
ND10020	Construction - ND SCADA RTU Upgrades	423	30-Sep-13 A	26-Nov-14 A	SCADA RTU Upgrade	s							1								
ND10070	Substantial Completion (CD Compliance Date 3/24/15) - ND SCADA RTU Upgrades	0		26-Nov-14 A	D Compliance Date 3	24/15) - ND	SCADA RTU	Upgrades													
ND70720	EPA Compliance Date for Construction - ND SCADA RTU Upgrades	0		24-Mar-15 A	Date for Construction inistration	ND SCADA	RTU Uparade	×S	ļ 	ļļ		ļļ									
Project Administration		422		26-Nov-14 A	-	1 1	1 1 1														
ND71780	WASD Project Administration - ND SCADA RTU Upgrades	423	•	26-Nov-14 A	ministration - ND SCA	DA RTU Upgi	rades			<u> </u>					<u>. į į</u>			<u> </u>			
_	Collection & Transmission Line	5841	01-Oct-11 A	27-Sep-27		<u> </u>		<u> </u>		<u>ij</u>					<u>. j j</u>		<u> i i</u>		.ii		<u> </u>
4.01 Collection Sys	etem I/I Repairs	5110		27-Sep-27		1	1 1							<u>l</u>	]						
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CT71230	EPA Start Date for Construction - Collection System I/I Repair	0		27 Can 27	Repair								-				1 1				
CT10070 CT10430	Construction - Collection System // Repair  Substantial Completion (CD Compliance Date 9/27/27) - Collection System // Repair	4161	01-Oct-13 A	27-Sep-27 27-Sep-27*									!								-
CT50590	EPA Compliance Date for Construction - Collection System VI Repair	0		27-Sep-27*	-				i						: :						
4.01 (1.0) - PMCM CIF	· · · · · · · · · · · · · · · · · · ·	3673	01-Feb-15 A	31-Jul-18 A		<del></del>		<u> </u>	31-Jul-1	18A, 4.01 (	10) - PMCM (	CIPP VI Repairs	3								
Engineering Design		1065		15-Aug-17 A		+	15-Aug	17 A Engin	eering Desi	iġn	-	<u> </u>									
CT30000	CIPP Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	18	01-Feb-15 A	18-Feb-15 A	& Scope to MDWASE	-2015/2016	S Fiscal Year														
CT30090	CIPP Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (PO 168)	55	01-May-16 A	24-Jun-16 A	CIPP Spe	1 1		WASD-201	: 16/2017 Fisc	: cal Year (PC	2 168)										
CT30220	CIPP Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	245	01-May-17 A	15-Aug-17 A			CIPP S					Fiscal Year									
Procurement		730		31-Jan-17 A		<b>→</b> 31-Jan	n-17 A, Procur	ement													
CT30010	CIPP Contractor Procurement - 2015/2016 Fiscal Year	303	01-Feb-15 A	30-Nov-15 A	CIPP Contractor Procu	ement - 201	5/2016 Fiscal	Year													
CT30120	CIPP Contractor Procurement - 2016/2017 Fiscal Year (RPQ PO 193)	183		31-Jan-17 A		CIPP_C	Contractor Pro	curement - 2	016/2017 F	iscal Year (I	R <mark>P</mark> Q PO 193)										
Construction	CIDD Contract (Construction), 2045/2046 Final Var (DO 460)	968		31-Jul-18 A 24-Feb-17 A	-																
CT30060 CT30150	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)  CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193)	446 365	07-Dec-15 A 01-Aug-17 A	31-Jul-18 A	1 1 1	CIPP	Contract (Con	nstruction) - 2	1 1	1 1											
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CT80720	WASD Project Administration - PMCM CIPP VI Repairs	3673		31-Jul-18 A							1 1										
4.01 (1.1) - PMCM Dig	g & Replace I/I Repairs	3624	01-Mar-15 A	22-Jul-18 A							i. i) - PMCM E	MCM CIPP (I) I ig & Replace I/	/I Repairs								
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CT30020	Dig & Replace Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	10	01-Mar-15 A	10-Mar-15 A	ecifications & Scope to	MDWASD -	2015/2016 Fi	iscal Year													
CT30100	Dig & Replace Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2229)	93	01-May-16 A	01-Aug-16 A	Dig &	Replace Spe	cifications & S	cope to MD	WASD - 20	16/2017 Fis	scal Year (T22:	29)									
CT30180	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	185		15-Aug-17 A		16 bo	Dig & F	Replace Spec	cifications.&	Scope to N	И <mark>D</mark> WASD. <u>-</u> 20	17/2018 Fisca	ılYear								
Procurement	Die 9 Deeless Ocetestes D. December of COAF (COAF) Frankly	687	01-Mar-15 A	16-Jan-17 A	_	10-Jan-	Ty A, Floodie	anent													
CT38000 CT30040	Dig & Replace Contractor B Procurement - 2015/2016 Fiscal Year  Dig & Replace Contractor A Procurement - 2015/2016 Fiscal Year	232	01-Mar-15 A 01-Mar-15 A	18-Oct-15 A 25-Oct-15 A	& Replace Contractor	1 1															
CT38010	Dig & Replace Contractor C Procurement - 2015/2016 Fiscal Year	324	01-Mar-15 A	18-Jan-16 A	& Replace Contractor	1 1		: : :	; ;												
CT30130	Dig & Replace Contractor Procurement - 2016/2017 Fiscal Year (T2229)	168		16-Jan-17 A	Dig & Replace Cont	1 1				0/0047/5:	- T000										
Construction		981	19-Oct-15 A	22-Jul-18 A		_ Dg & K	eplace Contra	ctor Procuter	ment : 2016 ▼ 22-Jul-1	8 A, Constr	a <mark>rt</mark> ion	7)									
CT38020	Dig & Replace Contract B (Construction) - 2015/2016 Fiscal Year	366	19-Oct-15 A	18-Oct-16 A		id & Replace	e Contract B (0	Construction)	) - 2015/201	  6 Fiscal Yea	a										
CT30070	Dig & Replace Contract A (Construction) - 2015/2016 Fiscal Year	366	26-Oct-15 A	25-Oct-16 A	The state of the s		e Contract A (			1 1											
CT38030	Dig & Replace Contract C (Construction) - 2015/2016 Fiscal Year	365	18-Jan-16 A	16-Jan-17 A		i i	eplace Contra	i i i	i i	i i	1										
CT30160	Dig & Replace Contract Countywide (Construction) - 2016/2017 Fiscal Year (T2229)	365	26-Jun-17 A	22-Jul-18 A	<u> </u>	<u> </u>		05 1 4	Dig & Re	eplace Cont	tr <mark>ac</mark> t Countyw	de (Constructio	on) - 2016	2017. Fisca	al Year (T222	29)					
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CT80730	WASD Project Administration - PMCM Dig & Replace I/I Repairs	3624 1462		25-Jan-18 A 28-Nov-17 A				WASD P 28-Nov-17 A	Project Admi ,, 4.01;(1.2)	inistration - - PMCM SS	P <mark>M</mark> CM Dig & I SF S VI	Replace I/I Rep	oairs								
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CT30030	SSES Specifications & Scope to MDWASD - 2015/2016 Fscal Year	10		10-Mar-15 A	-																
CT30110	SSES Specifications & Scope to MDWASD - 2016/2017 Fscal Year (T2231)	74		18-Aug-16 A	ns & Scope to MDW A	1 1		i i i	2016/201	7 Frank 14-	т (Тэээл )										
Procurement		726		24-Feb-17 A	BSE3	24-Fe	ons & Scope t eb-17 A, Prod	nrement	- ZU 10/ZU]	r ravat 169	11 (1 CCO   )	i			-j <del>j</del>						
CT38040	SSES (CCTV) Procurement - 2015/2016 Fiscal Year	360	01-Mar-15 A	23-Feb-16 A	SSES (CCTV) Pro	curement - 1	2015/2016 Fig	scal Year													
CT30140	SSES Contractor Procurement - 2016/2017 Fiscal Year (T2231)	191	18-Aug-16 A	24-Feb-17 A		1 1	S Contractor F	1 1 1	- 2016/201	7. Fiscal Yea	ar (T2231)				.]]				1		
Construction		780		18-Aug-17 A	<u> </u>	1	18-Aug	g-17 A, Const	truction												
CT38050	SSES Construction (CCTV) - 2015/2016 Fiscal Year (T2101)	366		14-Mar-17 A	_ <del>i i i</del>	SSE	E\$ Construction	on (CCTV) - 2	2015/2 <mark>016 F</mark>	scal Year (	T <mark>2</mark> 101)										
CT30170	SSES Contract (Construction) - 2016/2017 Fiscal Year (T2231)	395	03-Apr-17 A	18-Aug-17 A	<u> </u>		\$SES	Contract (Cor	nstruction) -	2016/2017	7. <mark>Fi</mark> scal Year (7.	[2231]									
Project Administration CT80740	WASD Project Administration - DMCM CSES I/I	1462		28-Nov-17 A	-			1 1 1													
	WASD Project Administration - PMCM SSES //	1462		28-Nov-17 A 31-Dec-16 A		▼ 31-Dec-1	16 A, 4.01 (2)	WASD Proje - PSIP Progr	ct Administr am VI Repa	ration PM0 its	C <mark>M</mark> SSES I/I										
4.01 (2) - PSIP Progra	an vinepails	1188		31-Dec-16 A 31-Dec-16 A		1 1	16 A, Construc	1 1 71		<del></del>											
CT22790	Construction - PSIP Program I/I Repair (MDWASD)	1188		31-Dec-16 A	- <u> </u>					, CD.											
Project Administration	V - 11 - 1	1188		31-Dec-16 A		Construct 31-Dec-1	tion - PSIP Pr 16 A, Project A	wgram. I/L Ret Administration	n pair (MDW <i>A</i>	10H)	-	<del> </del>									
	WASD Project Administration - PSIP Program I/I Repair (MDWASD)	1188		31-Dec-16 A		■ WASD□	Project Aldminid	stration - PSI	IP Protram	I/I Renair (M	IDWASD )										
CT80750											·					&		'			

	cree Schedule - June 2019 Update				Baseline (By Phase) 13-Jul-19 15:03 - Page No. 44 of 76
ity ID	Activity Name	Original Duration	Start	Finish	2016
Construction		3736	01-Oct-13 A	27-Sep-27	
CT33301 Project Administration	Construction -MDWASD CM Team VI Repair (MDWASD )	3736 3736	01-Oct-13 A 01-Oct-13 A	27-Sep-27 27-Sep-27	
CT80760	WASD Project Administration -MDWASD CM Team I/I Repair (MDWASD )	3736	01-Oct-13 A	27-Sep-27 27-Sep-27	
4.01 (4) - WWCTLD V	NASD In-House I/I Repairs	3742	01-Oct-13 A	27-Sep-27	
Construction		3742	01-Oct-13 A	27-Sep-27	
CT33302	Construction - WWCTLD WASD In-House VI Repair (MDWASD )	3742 3742	01-Oct-13 A 01-Oct-13 A	27-Sep-27 27-Sep-27	
Project Administration CT80770	WASD Project Administration - WWCTLD WASD In-House I/I Repair (MDWASD )	3742		27-Sep-27	
4.02 Government C	Cut FM - Phase 1&2	730	01-Oct-11 A	30-Sep-13 A	
Construction		730	01-Oct-11 A	30-Sep-13 A	
CT71240	EPA Start Date for Construction - Government Cut FM Phase 1 & 2	0	01-Oct-12 A		
CT10010 CT10030	Construction - Government Cut FM Phase 1 & 2  Substantial Completion (CD Compliance Date 9/30/13) - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A 30-Sep-13 A	
CT50600	EPA Compliance Date for Construction - Government Cut FM Phase 1 & 2	0		30-Sep-13 A	3) - Government Cut FM Phase 1 & 2  Cut FM Phase 1 & 2
Project Administration		730	01-Oct-11 A	30-Sep-13 A	OUTPO-FILIABLE LOCA
CT80780	WASD Project Administration - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A	hase 1 & 2
4.03 Government C	Cut FM - Phase 3	1529	30-Jan-13 A	08-Apr-17 A	7 00-Apt-17.A, 4-03 Government Cut rivit - Plase 3
Engineering Design CT71250	EPA Start Date for Engineering Design - Government Cut FM Phase 3	357	30-Jan-13 A 30-Jan-13 A	22-Jan-14 A	
CT10000	Engineering Design (DCP) - Government Cut FM Phase 3	358	30-Jan-13 A	22-Jan-14 A	M Phase 3:
CT50610	EPA Compliance Date for Engineering Design - Government Out FM Phase 3	0		22-Jan-14 A	- Government Qut FM Phase 3.
Procurement CT10170	Programment Columnat Cit EM Phase 2	798	28-Feb-13 A	07-May-15 A	Procurement
CT10170 CT71260	Procurement - Government Cut FM Phase 3  EPA Start Date for Procurement - Government Cut FM Phase 3	329	28-Feb-13 A 08-May-14 A	22-Jan-14 A	Government Cut FM Phase 3
CT50620	EPA Compliance Date for Procurement - Government Cut FM Phase 3	0	Jo May 177	07-May-15 A	mmeht Cut FM Phase 3
De sign-Build		1171	23-Jan-14 A	08-Apr-17 A	ce Date for Procurement - Government Cut FM Phase 3.  08-Apr-17 A, Design-Build
CT71270	EPA Start Date for Construction - Government Cut FM Phase 3	0	08-May-15 A		e for Construction - Government Cut FM Phase 3
CT10020 CT22250	Permitting - Government Cut FM Phase 3	444	02-May-14 A	19-Jul-15 A	g - Government Cut FM Phase 3
CT10250	Final Design (Design-Builder) - Government Cut FM Phase 3  Construction - Government Cut FM Phase 3	589 916	23-Jan-14 A 23-May-14 A	03-Sep-15 A 23-Nov-16 A	Design (Design-Builder) - Government Cut FM Phase 3  Construction - Government Cut FM Phase 3
CT10360	Substantial Completion (CD Compliance Date 4/08/17) - Government Cut FM Phase 3	0		23-Nov-16 A	Substantial Completion (CD Compliance Date 4/08/17) - Government Cut FM Phase 3
CT40380	Project Closeout - Government Cut FM Phase 3	90	24-Nov-16 A	21-Feb-17 A	Project Closeout - Government:Cut FM Phase 3
CT50630	EPA Compliance Date for Construction - Government Cut FM Phase 3	0	00 1 40 4	08-Apr-17 A	
Project Administration CT38440	WASD Project Administration - Government Cut FM Phase 3	1483 1484	30-Jan-13 A 30-Jan-13 A	21-Feb-17 A 21-Feb-17 A	
	inch PCCP FM Rehabilitation	1783	13-May-13 A	05-Mar-18 A	WASD Project Administration - Government Cut FM Phase 3  V05-Mar-18 A, 4.04 North Dade 72 inch PCCP RM Rehabilitation
Engineering Design		297	13-May-13 A	06-Mar-14 A	
CT71290	EPA Start Date for Engineering Design - North Dade 72" PCCP FM Rehab	0	01-Oct-13 A		2" PCCP FM Rehab
CT10050 CT50640	Engineering Design (DCP) - North Dade 72" PCCP FM Rehab  EPA Compliance Date for Engineering Design - North Dade 72" PCCP FM Rehab	279	13-May-13 A	15-Feb-14 A 06-Mar-14 A	PCCP FM Rehab
Permitting	EPA Compliance Date for Engineering Design - Notiti Dade 72 PCCP Fivi Keriab	419	04-Oct-14 A	27-Nov-15 A	gn - North Dade 72" PCCP FM Rebáb 7-Nov-15 A, Permitting
CT71300	EPA Start Date for Permitting - North Dade 72" PCCP FM Rehab	0	04-Oct-14 A		I - Noith Dade 72″PCCP FM Rehab
CT50650	EPA Compliance Date for Permitting - North Dade 72" PCCP FM Rehab**	0		06-Mar-15 A	ate for Permitting: North Dade 72" PCCP FM Rehab**
CT10150	Permitting - North Dade 72" PCCP FM Rehab	263	10-Mar-15 A	27-Nov-15 A 05-Mar-16 A	Permitting - North Dade 72" PCCP FM Rehab
Procurement CT10230	Procurement - North Dade 72" PCCP FM Rehab	761 395	03-Feb-14 A 03-Feb-14 A	05-Mar-15 A	Procurement - North Dade 72" PCCP FM Rehab
CT71310	EPA Start Date for Procurement - North Dade 72" PCCP FM Rehab	0			Procurement - North Dade 72" PCCP FM Rehab
CT50660	EPA Compliance Date for Procurement - North Dade 72" PCCP RM Rehab	0		05-Mar-16 A	◆ EPA Compliance Date for Procurement - North Dade 72" PCCP FM Rehab  ▼ 05-Mar-18 A, Design-Build
Design-Build	Final Decign (Decign Builder), North Deuts 701 DOCD FIA Debah	1117	10-Mar-15 A	05-Mar-18 A	U5-Mar-18 A, Design-Build
CT22240 CT10310	Final Design (Design-Builder) - North Dade 72" PCCP FM Rehab  Construction - North Dade 72" PCCP FM Rehab	179 219	10-Mar-15 A 30-Sep-15 A	04-Sep-15 A 05-May-16 A	Design (Design-Builder) - North Dade 72" PCCP FM Rehab  Construction - North Dade 72" PCCP FM Rehab
CT10410	Substantial Completion (CD Compliance Date 3/05/18) - North Dade 72" PCCP FM Rehab	0		05-May-16 A	◆ Substantial Completion (CD Compliance Date 3/05/18) - North Dade 72" POCP FM Rehab
CT40390	Project Closeout - North Dade 72" PCCP FM Rehab	240	06-May-16 A	31-Dec-16 A	Project Closeout - North Dade 72" PCCP:FM Rehab
CT71320	EPA Start Date for Construction - North Dade 72" PCCP FM Rehab	0	09-Jul-17 A	05 M 40 A	♦ EPA Start Date for Construction - North Dade 72" PCCP FM Rehab
CT50670 Project Administration	EPA Compliance Date for Construction - North Dade 72" PCCP FM Rehab	1328	13-May-13 A	05-Mar-18 A 31-Dec-16 A	◆ EPA Compliance Date for Construction - North Dade 72" PCCP FM Rehalb  31-Dec 16 A, Project Administration
CT38430	WASD Project Administration - North Dade 72" PCCP FM Rehab	1329	13-May-13 A	31-Dec-16 A	WASD Project Administration - North Dade 72" PCCH FM Rehab.
4.05 South Dade 54	inch PCCP FM Rehabilitation	2195	05-Aug-14 A	30-Oct-19	▼ 30-Oct-19, 4.05 South Dade 54 inch PCCP FM Rehabilitation
Engineering Design		422		01-Oct-15 A	ct-15/A, Engineering Design
CT71330	EPA Start Date for Engineering Design - South Dade 54" PCCP FM Rehab**	0	05-Aug-14 A	20 Fab 45 A	esian - South Dade 54 PCCP FM Rehab**
CT50680 CT10060	EPA Compliance Date for Engineering Design - South Dade 54" PCCP FM Rehab**  Engineering Design - South Dade 54" PCCP FM Rehab	423	05-Aug-14 A	20-Feb-15 A 01-Oct-15 A	ate for Engineering Design - South Dade 54" PCCP FM Rehab** neering Design - South Dade 54" PCCP FM Rehab
Permitting		446		02-Jan-17 A	neeming Design - South Dade:34 POOP FM Rehab  702-yan-17,A, Peimitting
CT71340	EPA Start Date for Permitting - South Dade 54" PCCP FM Rehab	0	04-Jan-16 A		► EPA Start Date for Permitting - South Dade 54" PCCP FM Rehab
CT10160	Permitting - South Dade 54" PCCP FM Rehab	129	14-Oct-15 A	19-Feb-16 A	Permitting - South Dade 54 PCCP FM Rehab
CT50690	EPA Compliance Date for Permitting - South Dade 54" PCCP FM Rehab	0	07 445 4	02-Jan-17 A	EPA Compliance Date for Permitting - South Dade 54" PCCP FM Rehab.
Procurement CT71350	EPA Start Date for Procurement - South Dade 54" PCCP FM Rehab	618	07-Apr-15 A 07-Apr-15 A	15-Dec-16 A	<del>-</del>
CT10240	Procurement - South Dade 54" PCCP FM Rehab	116	· ·	26-Sep-16 A	br Procurement - South Dad e 54" PCCP FM Rehab Procurement - South Dade 54" PCCP FM Rehab
CT50700	EPA Compliance Date for Procurement - South Dade 54" PCCP FM Rehab	0		15-Dec-16 A	► EPA Compliance Date for Procurement - South Dade 54" PCCP FM Rehab
Construction		826		23-Dec-18 A	✓ 23-Dec-18 A, Construction
CT71360	EPA Start Date for Construction - South Dade 54" PCCP FM Rehab	I 0	16-Dec-16 A	1	◆ EPA Start Date for Construction - South Dade 54" PCCP FM Rehab

	ecree Schedule - June 2019 Update	1 8			Baseline (By Phase)  13-Jul-19 15:03 - Page No. 45
y ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 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 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
CT10320	Construction - South Dade 54" PCCP FM Rehab	428	26-Sep-16 A	14-Sep-18 A	Construction - South Dade 54" PCCP FM Rehab
CT10390	Substantial Completion (CD Compliance Date 12/23/18) - South Dade 54" PCCP FM Rehab	0		14-Sep-18 A	◆ Substantial Completion (CD Compliance Date 12/23/18) - South Dade 54" PCCP FM Rehab
CT50710	EPA Compliance Date for Construction - South Dade 54" PCCP FM Rehab	0		23-Dec-18 A	◆ EPA Compliance Date for Construction - South Dade 54" PCCP, FM, Rehab.     ▼ 30-Oct-19, 4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. td SW 107 Ave/SW 248 St (Phase 1)
4.05 (1) 48/54" FM fr	from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)	2195	05-Aug-14 A	30-Oct-19	
Engineering Design		422	05-Aug-14 A	01-Oct-15 A	ct-15 A, Engineering Design
CT12001	30% Design Submittal - 48/54 Inch FM (Phase 1)	208	05-Aug-14 A	28-Feb-15 A	Ittal - 48/54 Inch FIM (Phase 1)
CT22220	30% Submittal Review - 48/54 Inch FM (Phase 1)	137	02-Mar-15 A	16-Jul-15 A	nittal Review - 48/54 Inch FM (Phase 1)
CT22230	60% Design Submittal - 48/54 Inch FM (Phase 1)	14	11-Jul-15 A	24-Jul-15 A	gn Submittal - 48/54 Inch FM (Phase 1)
CT22610	60% Design Review - 48/54 Inch FM (Phase 1)	19	25-Jul-15 A	12-Aug-15 A	sign Review - 48/54 Inch FM (Phase 1)
CT22570	90% Design Submittal - 48/54 Inch FM (Phase 1)	30	13-Aug-15 A	11-Sep-15 A	Design Submittal -48/54 Inch FM (Phase 1)
CT80410	Engineering Design - 48/54 Inch FM (Phase 1)	423	05-Aug-14 A	01-Oct-15 A	neering Design - 48/54 Inch FM (Phase 1)
CT38110	90% Submittal Review - 48/54 Inch FM (Phase 1)	18	14-Sep-15 A	01-Oct-15 A	Submittal Review - 48/54 Inch FM (Phase 1)
Permitting		128	14-Oct-15 A	19-Feb-16 A	
CT12021	Permitting - 48/54 Inch FM (Phase 1)	129	14-Oct-15 A	19-Feb-16 A	Permitting - 48/54 Inch FM (Phase 1). 30-Oct-17 A, Procurement:
Procurement		563	21-Mar-16 A	30-Oct-17 A	▼ 30-Oct-17 A, Procuement
CT30011	Submit/Approve SBD Goals and Request to Advertise - 48/54 hch FM (Phase 1)		21-Mar-16 A	06-May-16 A	Submit/Approve SBD Goals and Request to Adventse - 48/54 hch FM (Phase 1)
CT38060	Pre-Purchase Bid Package - 48/54 Inch FM (Phase 1)	39	25-Apr-16 A	02-Jun-16 A	Pre-Purchase Bid Package - 48/54 Inch FM (Phase 1)
CT30001	Design Documents Sent to Procurement - 48/54 Inch FM (Phase 1)	0	03-Jun-16 A		◆ Design Documents Sent to Procurement -48/54 Inch FM (Phase 1)
CT38070	Advertise Pre-Purchase Package - 48/54 Inch FM (Phase 1)	0	03-Jun-16 A		◆ Advertise Pre-Purchase Package - 48/54 Inch FM (Phase 1)
CT30021	Advertise Bid Package - 48/54 Inch FM (Phase 1)	0	17-Jun-16 A		◆ Advertise Bid Package - 48/54 Inch FM (Phase 1)
CT30031	Bid Solicitation Period - 48/54 Inch FM (Phase 1)	40	17-Jun-16 A	26-Jul-16 A	Bid Solicitation Period - 48/54 Inch FM (Phase 1)
CT30041	Bids Due - 48/54 Inch FM (Phase 1)	0	27-Jul-16 A		♦ Bids Due - 48/54 hch FM (Phase 1)
CT38100	Vendor Bid & Award - 48/54 Inch FM (Phase 1)	56	03-Jun-16 A	28-Jul-16 A	Véndor Bid & Award- 48/54 Inch FM (Phase 1)
CT38080	VendorNTP -48/54 hch FM (Phase 1)	0		28-Jul-16 A	◆ Vendor NTP - 48/54 hch FM (Phase 1)
CT30051	Bid Review Period - 48/54 Inch FM (Phase 1)	48	27-Jul-16 A	12-Sep-16 A	Bid Review Period - 48/54 Inch FM (Phase 1)
CT30061	Award Recommendation - 48/54 Inch FM (Phase 1)	0		12-Sep-16 A	♦ Award Recommendation - 48/54 Inch FM (Phase 1)
CT12011	Procurement - 48/54 Inch FM (Phase 1)	116	03-Jun-16 A	26-Sep-16 A	Procurement - 48/54 lpch FM (Phase 1)
CT30071	Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)	14	13-Sep-16 A	26-Sep-16 A	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)
CT30270	Pre-Purchase 54" Pipe & Valves - 48/54 Inch FM (Phase 1)	528	25-Apr-16 A	30-Oct-17 A	Pte-Purchase 54" Pipe & Valves + 48/54 Inch FM (Phase 1)
CT38090	Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings - 48/54 Inch FM (Phase 1)	433	29-Jul-16 A	30-Oct-17 A	
Construction		1389	19-Oct-16 A	30-Oct-19	Fabricate & Deliver Pre-Purchased 54" Ripe & Fittings - 48/54 Inch FM (Phase 1) 30-Oct-19, Construction
CT30081	Contractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)	0	19-Oct-16 A		◆ Contractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)
CT12091	Transfer of 4.05(2) to WASD - 8/54 Inch FM	0		02-Dec-16 A	◆ Transfer of 4.05(2) to WASD -8/54 linch FM
CT12031	Construction - 48/54 Inch FM (Phase 1)	405	19-Oct-16 A	14-Sep-18 A	Construction - 48/54 Inch FM (Phase 1)
CT81120	Commissioning - 48/54 Inch FM (Phase 1)	30	21-May-18 A	14-Sep-18 A	Commissioning - 48/54 Inch FM (Phase 1)
CT12041	Substantial Completion Phase 1 (CD Compliance Date 12/23/18) - 48/54 hch FM (Phase 1)	0		14-Sep-18 A	◆ Substantial Completion: Phase 1 (CD Compliance Date 12/23/18) - 48/54 Inch FM (Phase 1)
CT40400	Project Closeout - 48/54 Inch FM (Phase 1)	90	15-Sep-18 A	30-Oct-19	Project Closeout - 48/54 Inch FM (Phase 1)  30-Oct-19, Project Administration
Project Administration	on	1301	05-Aug-14 A	30-Oct-19	▼ 30-Oct-19, Project Administration
CT38420	WASD Project Administration - 48/54 Inch FM (Phase 1)	1301	05-Aug-14 A	30-Oct-19	WASD Project Administration - 48/54 Inch FM (Phase 1)  VASD Project Administration - 48/54 Inch FM (Phase 1)
1.06 Replacement	t of Tamiami Canal Aerial Crossing FM's at NW 37 Ave	1418	11-Dec-12 A	29-Oct-16 A	
Engineering Design		387	11-Dec-12 A	02-Jan-14 A	
CT10040	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	91	11-Dec-12 A	11-Mar-13 A	W 37 Ave Crossing
CT71370	EPA Start Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	0	01-Oct-13 A		jami Canal/NW 37 Ave Crossing
CT50720	EPA Compliance Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-14 A	Replace Tamiami Canal/NW 37 Ave Crossing
Permitting		661	12-Mar-13 A	02-Jan-15 A	
CT10120	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	61	12-Mar-13 A	11-May-13 A	miami Canal/NW 37 Ave Crossing
CT71380	EPA Start Date for Permitting - Replace Tamiami Cana // NW 37 Ave Crossing	0	03-Jan-14 A		ni Carlal/NW. 37 Ate Crossing
CT50730	EPA Compliance Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-15 A	
Procurement		964	13-May-13 A	02-Jan-16 A	for Permitting - Replace, Tamiami Canal/NW, 37 Ave Crossing.  7 02-Jan-16 A, Procurement
CT10200	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	144	13-May-13 A	03-Oct-13 A	Proburement - Replace Tamlami Canal/NW 37/Ave Crossing
CT71390	EPA Start Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-15 A		purement - Replace Tamiami Canal/NW 37 Ave Crossing
CT50740	EPA Compliance Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-16 A	
Construction		1118	07-Oct-13 A	29-Oct-16 A	EPA Compliance Date for Procurement - Replace Tamami Canal/NW 37 Ave Crossing.
CT10280	Construction - Replace Tamiami Canal/NW 37 Ave Crossing	233	07-Oct-13 A	27-May-14 A	Construction - Replace Tamiami Canal NW 37 Ave Crossing
CT10350	Substantial Completion (CD Compliance Date 10/29/2016) - Replace Tamami Canal/NW 37 Ave Crossing	0		27-May-14 A	ce Date 10/29/2016) - Replace Tamami Canal/NW 37, Ave Crossing
CT71400	EPA Start Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-16 A		EPA Start Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing  ▶ EPA Start Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing
CT50750	EPA Compliance Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing	0		29-Oct-16 A	◆ EPA Compliance Date for Construction - Replace Tamami Canal/NW 37. Ave Crossing
Project Administration	·	532	11-Dec-12 A	27-May-14 A	
CT80790	WASD Project Administration - Replace Tamiami Canal/NW 37 Ave Crossing	533	11-Dec-12 A	27-May-14 A	WASD Project Administration - Replace Tamiami Canal/NW 37 Ave Crossing
.07 Replacement	t of 18 inch DIP FM in Miami Lakes	1855	11-Mar-12 A	09-Apr-17 A	▼ 09-Apr-17,A, 4.07 Replacement of 18 inch DIP FM Mami Lakes
Engineering Design		788	11-Mar-12 A	08-May-14 A	
CT71410	EPA Start Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0	01-Nov-13 A	22 maj 1471	
CT10090	Engineering Design - Replace 18" DIP FM in Miami Lakes	789	11-Mar-12 A	08-May-14 A	J" DIP FM in Miami Lake's FM in Miami Lake's
CT50760	EPA Compliance Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0		08-May-14 A	<b>-1</b>
Permitting		269	09-Jun-14 A	05-Mar-15 A	Design - Replace 18" DIP FM in Miami Lakes
CT71420	EPA Start Date for Permitting - Replace 18" DIP FM in Miami Lakes	269	09-Jun-14 A 09-Jun-14 A	OJ-IVIAI-13 A	
J17 1720	Permitting - Replace 18" DIP FM in Miami Lakes	137	09-Jun-14 A	23-Oct-14 A	ce 18" DIP FM in Miami Lakes
CT10140	• .	137	Ja-Juli-14 A		e 18 <sup>st</sup> DIP FM in Miami Lakes
CT50770	EPA Compliance Date for Permitting - Replace 18" DIP FM in Miami Lakes	U		05-Mar-15 A 04-Mar-16 A	ate for Permitting:- Replace 18" DIP:FM in:Miam Lakes  104-Mar-16 A, Proqurement
CT50770		407			
CT50770 Procurement	EDA Clad Data for December 1 Death 162 DD EAST AVE 11	497	24-Oct-14 A	04-Iviai-10 A	
CT50770 Procurement CT71430	EPA Start Date for Procurement - Replace 18" DIP FM in Miami Lakes	0	06-Mar-15 A		Procurement - Replace 18 " DIP FM in Miami Lakes
CT50770  Procurement  CT71430  CT10220	Procurement - Replace 18" DIP FM in Miami Lakes	497 0 221		01-Jun-15 A	<del>-</del>   : : : : : : : : : : : : : : :     :
CT50770 Procurement CT71430	·	0 221 0	06-Mar-15 A		Procurement - Replace 18" DIP FM in Miami Lakes

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tivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 202 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 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 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
CT10300	Construction - Replace 18" DIP FM in Miami Lakes	189	02-Jun-15 A	07-Dec-15 A	Construction - Replace 18" DIP FM in Milami Lakes
CT10370	Substantial Completion (CD Compliance Date 4/09/17) - Replace 18" DIP FM in Miami Lakes	0		07-Dec-15 A	Substantial Completion (CD Compliance Date 4/09/17) - Replace 18" DIP FM in Miami Lakes
CT71440	EPA Start Date for Construction - Replace 18" DIP FM in Miami Lakes	0	05-Mar-16 A		◆ EPA Start Date for Construction - Replace 18" DIP FM in Miami Lakes
CT40420	Project Closeout - Replace 18" DIP FM in Miami Lakes	220	08-Dec-15 A	14-Jul-16 A	Project Closeout - Replace 18" DIP FM in Miami Lakes
CT50790	EPA Compliance Date for Construction - Replace 18" DIP FM in Miami Lakes	0		09-Apr-17 A	EPA Compliance Date for Construction - Replace 18 DIP FM in Miami Lakes.      14:Jul-16A, Project Administration
Project Administratio	on Control of the Con	1586	11-Mar-12 A	14-Jul-16 A	▼ 14-Jul-16A, Project Administration
CT38400	WASD Project Administration - Replace 18" DIP FM in Miami Lakes	1587	11-Mar-12 A	14-Jul-16 A	WASD Project Administration - Replace 18" DIP FM in Miami Lakes.
4.08 Rehabilitation	n of 54 inch PCCP FM in the City	1607	06-Oct-14 A	31-Dec-19	31-Dec-19, 4.08 Rehabilitation of 54 inch PCCP FM in the City
Engineering Design		401	06-Oct-14 A	11-Nov-15 A	-Nov/15 A, Enginieering Design
CT71450	EPA Start Date for Engineering Design - Rehab 54" PCCP FM in the City**	0	06-Oct-14 A		ng Design -Rehab 54" PCCP FM in the City**
CT50800	EPA Compliance Date for Engineering Design - Rehab 54" PCCP FM in the City**	0		03-Apr-15 A	Date for Engineering Design - Rehab 54" PCCP FM in the City**
CT10080	Engineering Design (DCP) - Rehab 54" PCCP FM in the City	245	12-Mar-15 A	11-Nov-15 A	ngineering Design (DCP) - Rehab 54* PCCP FM in the City
Permitting		269	04-Apr-15 A	29-Dec-15 A	29-Dec-15 A, Permitting
CT71460	EPA Start Date for Permitting - Rehab 54" PCCP FM in the City**	0	04-Apr-15 A		br Pełmitting - Rehab 54" PCCP FM in the City**
CT10130	Permitting - Rehab 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	Permitting: Rehab 54* PCCP FM in the City
CT50820	EPA Compliance Date for Permitting - Rehab 54" PCCP FM in the City	0		29-Dec-15 A	<b>1</b>
Procurement		570	06-Mar-15 A	26-Sep-16 A	EPA Compliance Date for Permitting - Rehab.54." PCCP FM in the City.  26-Sep-16 A, Procurement
CT71470	EPA Start Date for Procurement - Rehab 54" PCCP FM in the City**	0	06-Mar-15 A		Procurement - Rehab 54" PCCP RM in the City**
CT50810	10/25/18	0		08-Jul-16 A	◆ 10/25/18
CT10210	Procurement - Rehab 54" PCCP FM in the City	248	23-Jan-16 A	26-Sep-16 A	Procurement - Rehab 54" PCCP FM in the City:
Construction		269	20-Sep-16 A	16-Jun-17 A	16-Jun-17 A, Construction
CT71480	EPA Start Date for Construction - Rehab 54" PCCP FM in the City**	0	20-Sep-16 A		● EPA'Start Date for Construction - Rehab 54" PCCP FM in the City*
CT50830	EPA Compliance Date for Construction - Rehab 54" PCCP FM in the City**	0		09-Apr-17 A	◆ EPA Start Date for Construction - Rehab 54" PCCP FM in the City**      ◆ EPA Compliance Date for Construction - Rehab 54" PCCP FM in the City**
CT10290	Construction - Rehab 54" PCCP FM in the City	263	27-Sep-16 A	16-Jun-17 A	Construction - Rehab 54" PCCP FM in the City
	iles of 54 Inch PCCP FM (Consent Decree)	964	27-Oct-14 A	16-Jun-17 A	16-Jun-17 A, 4.08 (1) Rehab 2 Miles of 54 high PCCP FM (Consent Decree)
Pre-Design	<u> </u>	135	27-Oct-14 A	11-Mar-15 A	pesign Pesign
CT22070	Pre-Design - Rehab 2 Miles of 54" PCCP FM in the City	136	27-Oct-14 A	11-Mar-15 A	1. 3 Mars - 4 5 M 1900 19 M 2 M 2 C M
Engineering Design		372	12-Mar-15 A	18-Mar-16 A	b 2 Miles of 54" PCCP FM in the City  18-Mar-16 A, Engineering Design
CT22060	Basis of Design Report (BODR) - Rehab 2 Miles of 54" PCCP FM in the City	121	12-Mar-15 A	10-Jul-15 A	
CT22620	BODR Design Review - Rehab 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	esign/Report (BODR) - Rehab 2 Miles of 54" PCCP FM in the City
CT38120	As-Built Design Submittal - Rehab 2 Miles of 54" PCCP FM in the City	42	01-Oct-15 A	11-Nov-15 A	sign Review - Rehab 2 Miles of 54" PCCP FM in the City
CT37350	Negotiate Scope & Fee of Remaining Design - Rehab 2 Miles of 54" PCCP FM in the City	260	30-Mar-15 A	14-Dec-15 A	S-Built Design Submittal - Rehab 2 Miles of 54" PCCP FM in the City
CT80420	Engineering Design - Rehab 2 Miles of 54" PCCP FM in the City	373	12-Mar-15 A	18-Mar-16 A	Negotiate Scope & Fee of Remaining Design - Rehab 2 Miles of 54" PCCP FM in the City
CT22100	Develop Performance Specifications - Rehab 2 Miles of 54" PCCP FM in the City	170	01-Oct-15 A	18-Mar-16 A	Engineering Design - Rehab 2 Miles of 54" PCOP FM in the City
Permitting		11		22-Jul-15 A	Develop Performance Specifications - Rehab 2 Miles of 54" PCCP FM in the Ctv.
CT22110	Permitting - Rehab 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	
Procurement		247	23-Jan-16 A	26-Sep-16 A	2 - Rehab 2 / Miles of 54", PCCP, FM in the City 26-Sep-16 A, Procurement
CT33021	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City	21		12-Feb-16 A	
CT33011	Design Documents Sent to Procurement - Rehab 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A	12100107	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City
CT33031	Advertise Bid Package - Rehab 2 Miles of 54" PCCP FM in the City	0	25-May-16 A		◆ Design Documents Sent to Procurement - Rehab 2 Miles of 54" PCCP FM in the City
CT33041	Bid Solicitation Period - Rehab 2 Miles of 54" PCCP FM in the City	43	•	06-Jul-16 A	Advertise Bid Package - Rehabi 2 Miles of 54" PCCP FM in the City
CT33051	Bids Due - Rehab 2 Miles of 54" PCCP FM in the City	0	07-Jul-16 A	00 001 1071	Bid Solicitation Period - Rehab 2 Miles of 54" PCCP FM in the City
CT33061	Bid Review Period - Rehab 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A	◆ Bids Due - Rehab 2 Miles of 54" PCCP FM in the City
CT33001	Award Recommendation - Rehab 2 Miles of 54" PCCP FM in the City	0	07-50F10 A	19-Aug-16 A	☐ Bid Review Period Rehab 2 Miles of 54" PCCP FM in the City
CT50940	Bid Protest - Rehab 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A	Award Recommendation - Rehab 2 Miles of 54" PCCP FM in the City
CT22120	Procurement - Rehab 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A	■ Bid Protest - Rehab 2 Miles of 54" PCCP FM in;the City
CT33081	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP FM in the City	3	· · · · · · · · · · · · · · · · · · ·	26-Sep-16 A	Produrement - Rehab 2 Miles of 54" PCCP FM in the City
Construction	Tillal Applovals (DCC, Iviayol, NSK Ivigitit.) - Netiab 2 Ivilies of 34 PCCF Tivi in the City	262	27-Sep-16 A	16-Jun-17 A	J. Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP.FM in the City
CT33091	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City	0	27-Sep-16 A 27-Sep-16 A	10-5uiF17 A	<b>- </b>
CT22650	Construction - Rehab 2 Miles of 54" PCCP FM in the City	263	27-Sep-16 A 27-Sep-16 A	28-May-17 A	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City
CT22650 CT10380	Substantial Completion (CD Compliance Date 05/28/17) - Rehab 2 Miles of 54" PCCP FM in the City	263	21-3ep-16 A	28-May-17 A 16-Jun-17 A	Construction - Rehab 2 Miles of 54" PCCP FM in the City
		828	12-Mar-15 A	16-Jun-17 A	♦ Substantial Completion (CD Compliance Date 05 28/17) - Rehab 2 Miles of 54* PCCP FM in the City.
Project Administratio CT38390	WASD Project Administration - Rehab 2 Miles of 54" PCCP FM in the City	828 828	12-Mar-15 A 12-Mar-15 A	16-Jun-17 A 16-Jun-17 A	<b>」</b>
	·		27-Oct-14 A	31-Dec-19	WASD Project Administration - Rehab 2 Miles of 54" PCCP FM in the City 31-Dec-19, 4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)
	lace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)	1586		31-Dec-19 11-Mar-15 A	Design
Pre-Design	Dra Docina - Pohah/Panlaco Additional 2 Miles of 54" DCCD EM in the City	135	27-Oct-14 A		
CT22660	Pre-Design - Rehab/Replace Additional 2 Miles of 54"PCCP FM in the City	136	27-Oct-14 A	11-Mar-15 A	b/Replace Additional 2 Mies of 54 PCCP FM in the City.  18-Mar-16 A, Engineering Design
Engineering Design	Desir of Desire Depart (DODD). Debah (Desire of Additional Obline of Add	372	12-Mar-15 A	18-Mar-16 A	T TO THE TOTAL CONTROLLING CON
CT22670	Basis of Design Report (BODR) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	121	12-Mar-15 A	10-Jul-15 A	esign Report (BODR) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT22680	BODR Design Review - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	12		22-Jul-15 A	sign Review - Rehab/Replace Additional 2 Miles of 54 PCCP FM in the City
CT80430	Engineering Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	373	12-Mar-15 A	18-Mar-16 A	Engineering Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT22710	Develop Performance Specifications - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	170	01-Oct-15 A	18-Mar-16 A	Develop Performance Specifications - Rehab/Replace Additional 2 Miles of 54 PCCP FM in the City
Permitting	D. W. D.L. ID. L. ALIV. LOAD. CHURCH W. C.	21		22-Jul-15 A	A, Permitting
CT22740	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	22	01-Jul-15 A	22-Jul-15 A	n - Rehab/Replace Additional 2 Miles of 54 PCCP FM in the City 26-Sep-16 A Procurement
Procurement		247	23-Jan-16 A	26-Sep-16 A	▼ 26-Sep-16 A Procurement
CT35200	Submit/Approve SBD Goals and Request to Advertise - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	21		12-Feb-16 A	Submit/Approve SBD Goals and Request to Advertise - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT35190	Design Documents Sent to Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0			♦ Design Documents Sent to Procurement - Rehab/Replace Additional 2 Miles of 54 PCCP FM in the City
CT35210	Advertise Bid Package - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City		25-May-16 A		♦ Advertise Bid Package - Rehab/Replace Add itio nal 2 Miles of 54" PCCP FM in the City
CT35220	Bid Solicitation Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City		25-May-16 A	06-Jul-16 A	Bid Solicitation Period - Rehab/Replace Addition al 2 Miles of 54" PCCP FM in the City
CT35230	Bids Due - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	07-Jul-16 A		♦ Bids Due - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
OT05040	Bid Review Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A	Bid Review Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT35240					
CT35240 CT35250	Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A	◆ Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
	Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City  Bid Protest - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	19-Aug-16 A 23-Sep-16 A	◆ Award Recommendation - Rehab/Replace Additional 2 Miles of 54" FCCP FM in the Cty     ■ Bid Protest - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the Cty

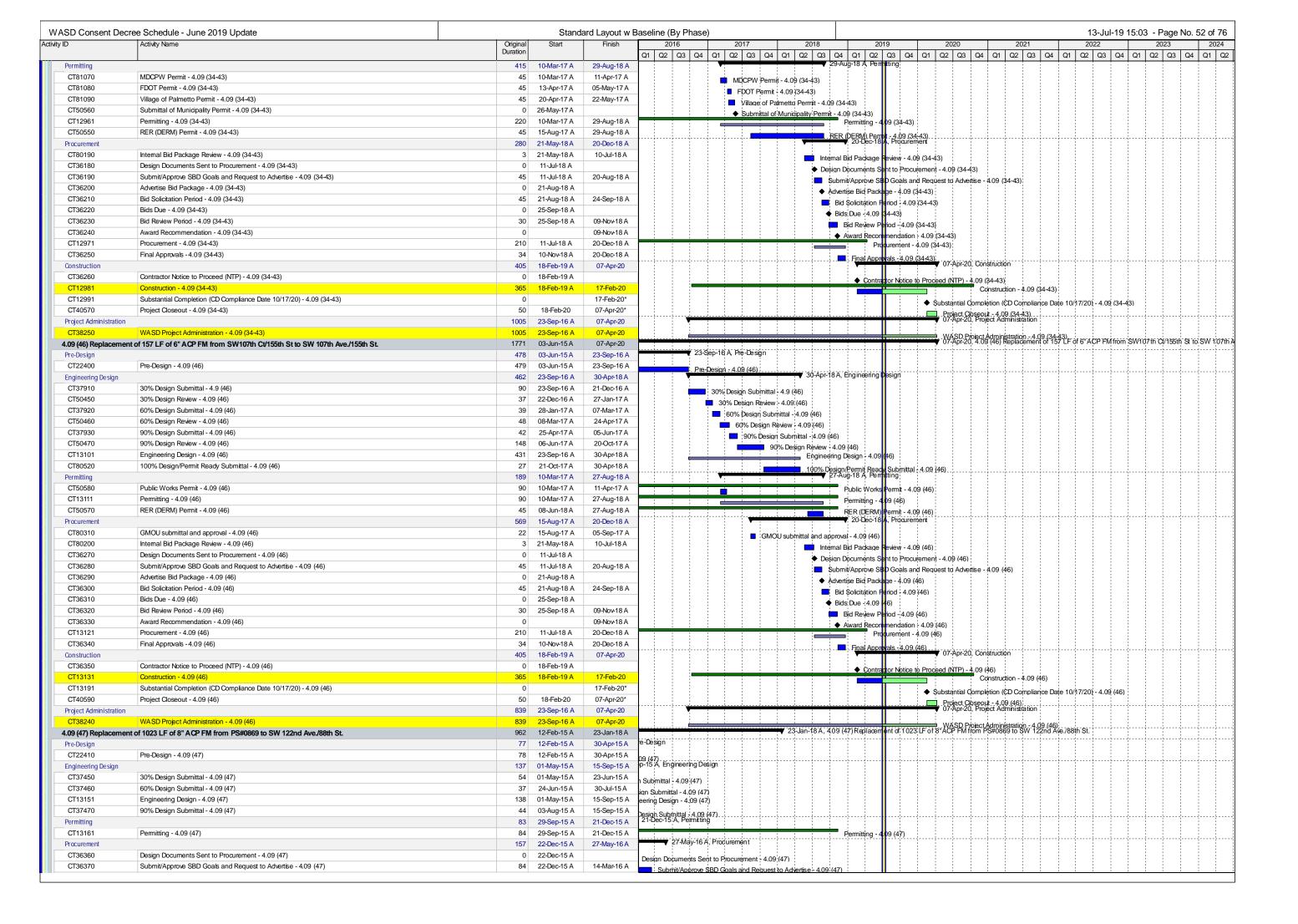
	ecree Schedule - June 2019 Update				Baseline (By Phase) 13-Jul-19 15:03 - Page No. 47 of 76
Activity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02
CT35260	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	3	24-Sep-16 A	26-Sep-16 A	I. Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab/Replace Additional 2: Miles of 54", PCCR FM in the City.
Construction		856	27-Sep-16 A	31-Dec-19	31-Dec-19, Construction
CT35270	Contractor Notice to Proceed (NTP) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	27-Sep-16 A		◆ Contractor Notice to Proceed (NTP) - Rehab/Replace Additional 2 Wiles of 54" PCCP FM in the City
CT22760	Construction Phase 2 - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	365	01-Jan-18 A	29-Aug-18 A	Construction Phase 2 - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT22770 CT40430	Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City  Project Closeout - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	30-Aug-18 A	29-Aug-18 A 31-Dec-19*	◆ Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
Project Administration		1450	12-Mar-15 A	31-Dec-19	Project Closeout - Rehab/Replace Additional 2 Miles of 54" PCCP EM in the City  31-Dec-19, Project Administration
CT38380	WASD Project Administration - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	1450	12-Mar-15 A	31-Dec-19	WARD Prince Administration Perhap (Parlage Additional 2 Miscraft Ed. DCCR EM in the City
4.09 Replace App	proximately 30 miles of AC FM Transmission System	2978	28-Aug-12 A	22-Oct-20	. WASD Project Administration - Rehab/Replace Additional 2 Miles of 54 "PCCP FM in the City.  22 Oct-20, 4.09 Replace Approximately 30 miles of AC FM Transmission System
Engineering Design		2087	28-Aug-12 A	06-May-19 A	■ V 06-May/19 A, Engineering Design
CT71490	EPA Start Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0	01-Nov-13 A		to miles of AC FM Trans System**
CT50840	EPA Compliance Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0		09-Oct-14 A	gineering Design - Replace ~30 miles of AC FM Trans System**
CT10110	Engineering Design - Replace ~30 miles of AC FM Trans System	2087	28-Aug-12 A	06-May-19 A	Er gineering Design, Replace ~30 miles of AC FM Trans System  ✓ 04-Aug-19, Permitting
Permitting CT71500	EPA Start Date for Permitting - Replace ~30 mles of AC FM Trans System**	2005	05-Aug-13 A 10-Oct-14 A	04-Aug-19	
CT50850	EPA Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System	0	10-000-1474	31-Dec-18 A	n - Replace →30 miles of AC FM Trans System**
CT10190	Permitting - Replace ~30 miles of AC FM Trans System	1835	05-Aug-13 A	04-Aug-19	◆ EPA Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System  Permitting - Replace ~30 miles of AC FM Trans System
Procurement		1992	16-Dec-13 A	28-Oct-19	▼ 28-Oct-19, Procurement
CT71510	EPA Start Date for Procurement - Replace ~30 miles of AC FM Trans System**	0	10-Oct-15 A		Start Date for Procurement - Replace ~30 miles of AC FM Trans System**
CT50860	EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System	0		30-Apr-19 A	◆ EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System
CT10270	Procurement - Replace ~30 miles of AC FM Trans System	1750	16-Dec-13 A	28-Oct-19	Procurement - Replace ~30 miles of AC FM Trans System  17-Oct-20, Construction
CT71520	EDA Start Data for Construction - Poplace 20 miles of AC EM Times Content	2379	14-Apr-14 A 09-Oct-16 A	17-Oct-20	<del>-</del>
CT71520 CT10340	EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System  Construction - Replace ~30 miles of AC FM Trans System	1935	09-Oct-16 A 14-Apr-14 A	24-Jul-20	► EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System  Construction - Replace ~30 miles of AC FM Trans System  Construction - Replace ~30 miles of AC FM Trans System
CT10420	Substantial Completion (CD Compliance Date 10/17/20) - Replace ~30 miles of AC FM Trans System	0		24-Jul-20*	
CT50880	EPA Compliance Date for Construction - Replace ~30 miles of AC FM Trans System	0		17-Oct-20*	
4.09 (1), (27-28), (44	4-45), (54-56), (57-59), (64), (66) - Asbestos Concrete Pipe (ACP) Cut and Plug	1058	24-Oct-17 A	22-Oct-20	
Pre-Design		89	24-Oct-17 A	28-Sep-18 A	▼ 28-Şep-18 A, Pre-Design
CT22260	Pre-Design - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	89	24-Oct-17 A	28-Sep-18 A	Pre-Design. 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66).
Engineering De sign	000/ Design Colonial A 00 (A) (07 00) (AA 45) (FA 50) (F7 50) (0A) (00)	176	29-Sep-18 A	06-May-19 A	Uo-Way-19-A, Engineering Design
CT80970 CT80980	30% Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66) 30% Design Review - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	64 14	29-Sep-18 A 31-Dec-18 A	31-Dec-18 A 16-Jan-19 A	30% Desi <mark>a</mark> n Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT81010	100% Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	43	17-Jan-19 A	07-Mar-19 A	30% Design Review ; 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT12101	Engineering Design - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	98	29-Sep-18 A	06-May-19 A	100% Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT81020	100% Design Review/Permit Ready - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	15	08-Mar-19 A	06-May-19 A	
Permitting		36	30-Jun-19	04-Aug-19	100% Design Review/Permit Ready - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80840	Permitting - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	36	30-Jun-19*	04-Aug-19	Permitting - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
Procurement		152	09-May-19 A	28-Oct-19	▼ 28-Oct-19, Procurement
CT80850	Design Documents Sent to Procurement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	09-May-19 A	20. lun 10.4	◆ Design Documents Sent to Procurement - 4:09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80860 CT80870	Submit/Approve SBD Goals and Request to Advertise - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)  Advertise Bid Package - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	32	09-May-19 A 21-Jun-19 A	20-Jun-19 A	Submit/Approve SBD Goals and Request to Advertise: - 4.09, (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80880	Bid Solicitation Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	-	21-Jun-19 A	06-Aug-19	Advertise Bid Package - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80890	Bids Due - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	07-Aug-19		Bid Solicitation Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)  ▶ Bids Due - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80900	Bid Review Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	30	07-Aug-19	05-Sep-19	Bid Review Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80910	Award Recommendation - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0		05-Sep-19	◆ Award Recommendation - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80920	Procurement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)		09-May-19 A	28-Oct-19	Procurement -4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80930	Final Approvals - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	53	06-Sep-19	28-Oct-19	Final Approvals - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
Construction CT80940	Contractor Notice to Proceed (NTP) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	360	29-Oct-19 29-Oct-19	22-Oct-20	
CT80940 CT80950	Construction - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	270	29-Oct-19 29-Oct-19	24-Jul-20	◆ Contractor Notice to Proceed (NTP) - 4,09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)  Construction - 4,09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
CT80960	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0		24-Jul-20*	Substantial Completion (CD Compliance Date 10/17/20) -4.09 (1), (27-28), (44-45), (54-56),
CT40440	Project Closeout - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	90	25-Jul-20	22-Oct-20*	
Project Administration	na	644	29-Sep-18 A	22-Oct-20	Project Closeout - 4, 09 (1), (27-28), (44:45), (54:56), (57:59), (64), (66).
CT38530	WASD Project Administration - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64), (66)	644	29-Sep-18 A	22-Oct-20	WASD Project Administration - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64), (66).  ✓ 22-Mar-17 A, 4.09 (2) Replacement of 2,403 LF of 12 ACP FM - NE 14th Ave; from PS-0455 to Miami Gardens Dr.
	ent of 2,403 LF of 12" ACPFM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.	1063	24-Apr-14 A	22-Mar-17 A	▼ 22-Mar-17'A, 4.09 (2) Replacement of 2,403 LF of 12 ACP FM - NE 14th Ave; from PS-0455 to Miami Gardens Dr.  A, Engineering Design
Engineering Design CT12151	Engineering Design - 4.09 (2)	440	24-Apr-14 A 24-Apr-14 A	08-Jul-15 A 08-Jul-15 A	—
Permitting	Lingilitedining Design - 4.05 (2)	77	09-Jul-15 A	24-Sep-15 A	g Design - 4.09 (2) pp-15 A Permitting
CT12161	Permitting - 4.09 (2)	78	09-Jul-15 A	24-Sep-15 A	Permitting - 4.09 (2)
Procurement	· · ·	203	26-Oct-15 A	16-May-16 A	16-May-16 A, Procurement
CT35010	Design Documents Sent to Procurement - 4.09 (2)	0	26-Oct-15 A		sign Documents Sent to Procurement - 4.09 (2)
CT35020	Submit/Approve SBD Goals and Request to Advertise - 4.09 (2)	14	26-Oct-15 A	08-Nov-15 A	ubmit/Approve SBD Goals and Request to 'Advertise - 4.09 (2)
CT35030	Advertise Bid Package - 4.09 (2)	0	09-Nov-15 A		thertise Bid Package - 4,09 (2)
CT35040	Bid Solicitation Period - 4.09 (2)	36	09-Nov-15 A	14-Dec-15 A	
CT35050	Bids Due - 4.09 (2)	0	14-Dec-15 A	45 I 10 A	Bids Due - 4.09 (2)
CT35060	Bid Review Period - 4.09 (2)	33	14-Dec-15 A	15-Jan-16 A 15-Jan-16 A	Bid Review Period - 4,09 (2)
CT35070 CT12171	Award Recommendation - 4.09 (2)  Procurement - 4.09 (2)	204	26-Oct-15 A	15-Jan-16 A 16-May-16 A	Award Recommendation - 4.09 (2)
CT35080	Final Approvals -4.09 (2)	122	16-Jan-16 A	16-May-16 A	Produrement - 4.09 (2)
Construction		309	17-May-16 A	22-Mar-17 A	Final Approvals - 4,09.(2) 22-Mar-17:A, Construction
CT35090	Contractor Notice to Proceed (NTP) - 4.09 (2)	0	-		◆ Contractor Notice to Proceed (NTP) - 4.09 (2)
OT40404	Construction - 4.09 (2)	162	17-May-16 A	25-Oct-16 A	Construction - 4.09 (2)
CT12181					Constitution 4.00 (a)

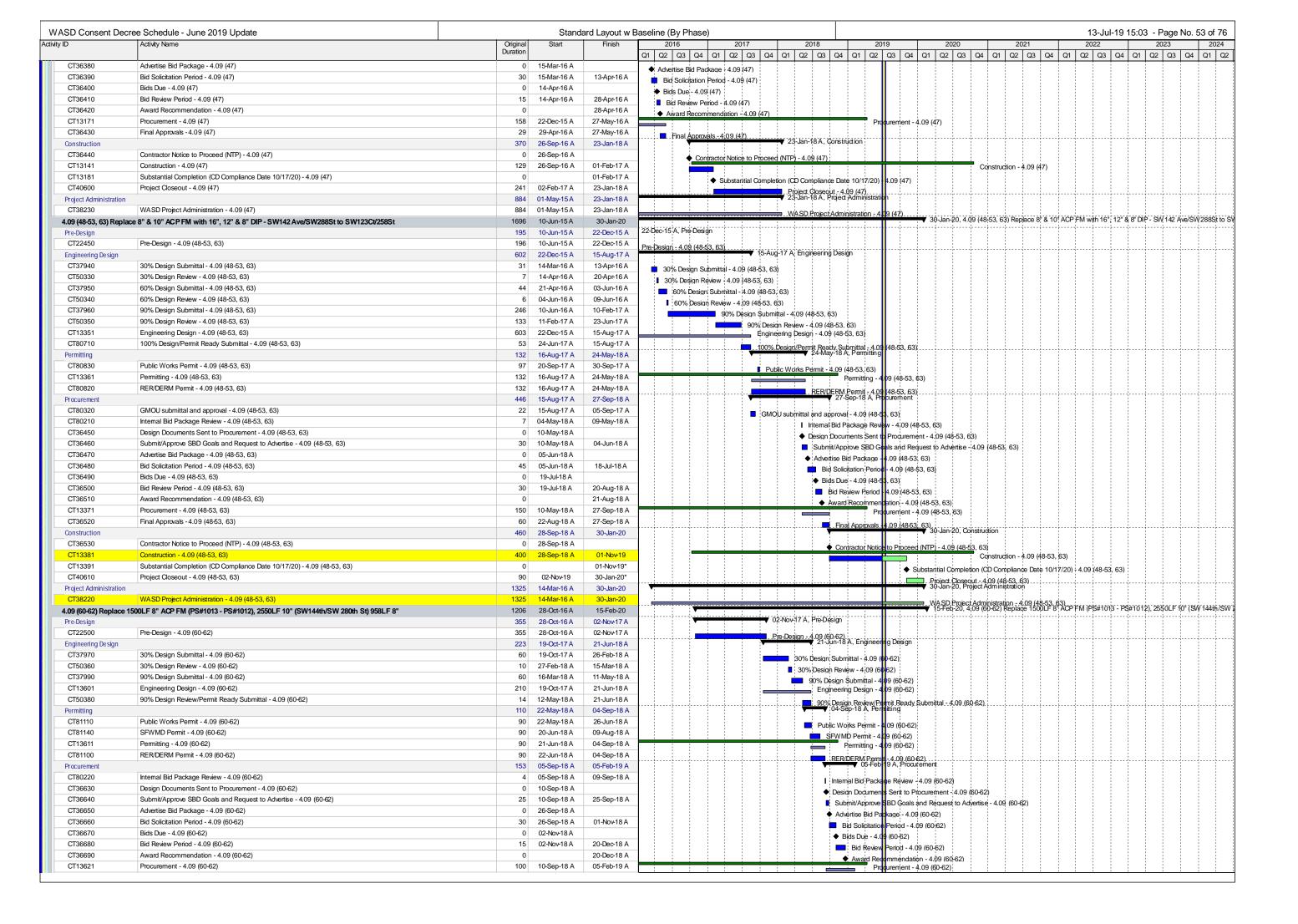
· · · · · · · · · · · · · · · · · · ·	ichedule - June 2019 Update tivity Name	Original	Standa	ard Layout w E	Baseline (By Phas		2017		2018		2019		2020	2021	2022	5:03 - Page N 2023	10. 48 (
y ID ACI	uwy namo	Duration	Otart	Tillion	Q1 Q2 Q3 Q4					Q4 Q1		3 Q4	Q1 Q2 Q3 Q4 Q1 Q2				
CT40450 Pro	oject Closeout - 4.09 (2)	149	25-Oct-16 A	22-Mar-17 A					-								
Project Administration		1063	24-Apr-14 A	22-Mar-17 A		22	oject Closeo 2-Mar-17 A, F	roject Admir	istration								
CT38370 WA	ASD Project Administration - 4.09 (2)	1064	<u>'</u>	22-Mar-17 A	<u> </u>	w	ASD Project	Administrați	n - 4.09 (2	2)			Pump Station #0356 to NW 183rd a				
• • • •	lacement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.	1668		22-Mar-17 A		- 22	2-Mar-17:A, 4	.09 (3-5, 8)	RPQ 11811	1 Keplace	ement of F	IVI from	Pump Station #0356 to NVV 183rd a	and 52nd Ave.			
Engineering Design	· · · P · · · · · · · · · · · · · · · ·	244		02-Aug-13 A													
	gineering Design - 4.09 (3-5,8)	244		02-Aug-13 A	-5,8)				-		ļ <mark>.</mark>						
Permitting	W 400 0 F 0	100		20-Dec-13 A						. !		- 1					
	mitting - 4.09 (3-5,8)	100		20-Dec-13 A					-	Permitt	ting - 4 <mark>.0</mark> 9	(3-5,8)	.ļļļļļ		.4		
Procurement	4.00 (0.5.0)	85		11-Apr-14 A							_						
	ocurement - 4.09 (3-5,8)	85		11-Apr-14 A			-Mar-17 A, (	onstruction			Procure	ement -	4.09 (3-5,8)				
Construction	4.00 (0.5.0)	1074	14-Apr-14 A	22-Mar-17 A		V 22		Onstruction	1 1		1	-	<u> </u>				
	nstruction - 4.09 (3-5,8)	86	14-Apr-14 A	11-Aug-14 A									Construction	- 4.09 (3-5,8)			
	bstantial Completion (CD Compliance Date 10/17/20) - 4.9 (3-5,8)	0	05.0-4.40.4	11-Aug-14 A	pliance Date 10/17/20	0) - 4.9 (3-5,	8)										
	oject Closeout - 4.9 (3-5,8)	149		22-Mar-17 A	-	Pr	oject Closeo	ut - 4.9 (3-5,	3)		<mark>.</mark>						
Project Administration	1000 1111111111111111111111111111111111	510		11-Aug-14 A	Oil							- 1					
	ASD Project Administration - 4.09 (3-5,8)	510		11-Aug-14 A	.09 (3-5,8)						<u></u> .	34.161.	19, 4.09 (6-7) Replace 325LF of 6" A	CP FM from PS #	1362 to NW 52nd Ct	and 100th St & 40	
` ' '	6" ACP FM from PS #0362 to NW52nd Ct. and 190th St. & 400LF 10" to 189th	1160		31-Jul-19	-Design						<mark>.</mark>		13, 4.03 (0-7) Replace 325E1 0/ 0 7				
Pre-Design	D : 400/07)	209	29-Aug-14 A	26-Mar-15 A	Design							į					
	e-Design - 4.09 (6-7)	210		26-Mar-15 A	(6-7) -Nov-15 A, Engineerin	a Desian			-		<mark></mark>		·				
Engineering Design	gineering Design 4 00 (6.7)	220	27-Mar-15 A	02-Nov-15 A	1 : : : :	1 1											
	gineering Design - 4.09 (6-7)	221	27-Mar-15 A	02-Nov-15 A	igineering Design - 4.0				-		ļ <mark> </mark> ]						
Permitting Poi	million 4.00 (6.7)	155		06-Apr-16 A								(0)					
	mitting - 4.09 (6-7)	156	03-Nov-15 A	06-Apr-16 A		.j	26-100	7A, Procur	ment	Permit	ting - 4 <mark>.0</mark> 9	(6+7)					
Procurement	· D · · · O · · · D · · · · · · · · · ·	438	15-Apr-16 A	26-Jun-17 A	'		20 3011	77,110001									
	sign Documents Sent to Procurement - 4.09 (6-7)	0	<u> </u>		Design Docur	ments Sent	to Procurem	ent - 4.09 (6	7)			- 1					
	bmit/Approve SBD Goals and Request to Advertise - 4.09 (6-7)	73		26-Jun-16 A	Submit/A	Approve SBI	O Goals and	Request to A	dvertise - 4	4.09 (6-7)		-					
	vertise Bid Package - 4.09 (6-7)	0			◆ Advertise	Bid Packad	ne - 4.09 (6-	7)									
	d Solicitation Period - 4.09 (6-7)	30		26-Jul-16 A	■ Bid So	licitation Pe	riod - 4.09 (6	-7)									
	ds Due - 4.09 (6-7)	0	27-Jul-16 A		◆ Bids D	ue - 4.09 (6	-7)					1					
	Review Period - 4.09 (6-7)	46	27-Jul-16 A	10-Sep-16 A	■ Bid	Review Per	iod - 4.09 (6	7)	1 1								
	vard Recommendation - 4.09 (6-7)	0		10-Sep-16 A	◆ Aw	ard Recomr	nendation -	1.09 (6-7)				1					
	al Approvals - 4.09 (6-7)	19	11-Sep-16 A	29-Sep-16 A	. □ Fir	nal Approval	s -4.09 (6-7										
	D. Issued - 4.09 (6-7)	0		29-Sep-16 A	<b>♦</b> P.	O. Issued - 4	4.09 (6-7)										
	ntractor Withdrew Bid - 4.09 (6-7)	0				◆ Contra	actor Withdre	w Bid - 4.09	(6-7)			İ					
	Review Period (Second Bidder) - 4.09 (6-7)	41	25-Jan-17 A	06-Mar-17 A		■ Bid	Review Peri	od (Second	Bidder) - 4.	09 (6-7)							
	vard Recommendation (Second Bidder) - 4.09 (6-7)	0		06-Mar-17 A		♦ Aw	ard Recomn	endation (S	cond Bidd	der) - 4.09	(6-7)	1					
	ocurement - 4.09 (6-7)	168	<u>'</u>	26-Jun-17 A		1 1	-	1 1	1 1		: Pro <mark>c</mark> ure	ement -	4.09 (6-7)				
	al Approvals (Second Bidder) - 4.09 (6-7)	112	07-Mar-17 A	26-Jun-17 A		-	Final Ap	provals (Sec	ond Bidder	) - 4.09 (6	5-7)	1					
	D. Issued (Second Bidder) - 4.09 (6-7)	0		26-Jun-17 A	ļiii		P.O. Issi	ed (Second	Bidder) - 4	.09:(6-7)	<u> </u>	Wangan	45-75-1-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				
Construction		128		31-Jul-19				1 1			· ·	31-Jul-	19, Construction				
	ntractor Notice to Proceed (NTP) - 4.09 (6-7)	0			_		♦ Contrac	or Notice to	Proceed (N	VTP) - 4.0	9 (6-7)	ŀ	<u>                                     </u>				
	nstruction - 4.09 (6-7)		26-Jun-17 A	18-Aug-17 A		1 1		1 1	1 1	- 1			Construction	- 4.09 (6-7)			
	bstantial Completion (CD Compliance Date 10/17/20) - 4.09 (6-7)	0		18-Aug-17 A			♦ Subs	tantial Com	letion (CD	Compliar	nce Da <mark>te</mark> 1	0/17/20	)) - 4.09 (6-7)				
	oject Closeout - 4.09 (6-7)		19-Aug-17 A	31-Jul-19*		<u> </u>						Project	Closegut - 4.09 (6-7) 19, Project Administration				
Project Administration			27-Mar-15 A	31-Jul-19		1 1		1 1	1 1		· ·	31-Jul-	19, Project Administration				
	ASD Project Administration - 4.09 (6-7)		27-Mar-15 A	31-Jul-19	15 A 4.09 (9-13) Repl		6.9.2.2.4.3.30	ACO CALO	aan DC4	ANNOE DO	34007 Los	WASD	Project Administration - 4.09 (6-7) 19th St./37th Ave.				
· · ·	6, 8 and 12" ACP FM Between PS#0385, PS#0374 and NW 119th St./37th Ave.		28-Aug-12 A	07-Aug-15 A	15 A (4.09 (9-13) Repa	acement of	6,8 and 12	ACP FINI BE	ween PS#	70385, PS	#03/4 an	10 INVV 1	19th St./3/th Ave.				
Engineering Design		394		28-Feb-14 A								- 1					
	gineering Design - 4.09 (9-13)	394		28-Feb-14 A	-13)				.		<u>.</u>						
Permitting		65	03-Mar-14 A	31-May-14 A								-					
	mitting - 4.09 (9-13)	65		31-May-14 A	amont					Permit	ting - 4 <mark>.0</mark> 9	(9-13)	ļļļļļ		.4		
Procurement			01-Jun-14 A	03-Feb-15 A	ettietit						<u>.</u> [						
	ocurement - 4.09 (9-13)	177		03-Feb-15 A	AF X O TO THE STATE OF THE STAT				-		Pro <mark>c</mark> ure	ement -	4.09 (9-13)		.4		
Construction		185		07-Aug-15 A	15 A Construction				<u>i i </u>			İ					
	nstruction - 4.09 (9-13)	133	04-Feb-15 A	07-Aug-15 A		1 1	1 1		1 1				Construction	- 4.09 (9-13)			
	bstantial Completion (CD Compliance Date 10/17/20) - 4.09 (9-13)	0		07-Aug-15 A	tial Completion (CD Co 15 A, Project Administr	ompliance D	ate 10/17/20	)) - 4.09.(9-1	3)		ļ <mark>.</mark>		<u> </u>				
Project Administration		769		07-Aug-15 A	I S A Project Administr	ation											
	ASD Project Administration - 4.09 (9-13)	769		07-Aug-15 A	Project Administration - 4.09 (14-19) Replace	4.09 (9-13)	-6-301-20-	HAND A SECTION OF	040074	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				-			
	f 6, 8 & 10" ACP FM Around PS#0376, 0427, 0375, 0377 and 0368		28-Aug-12 A	03-Jun-15 A	4.09 (14-19) Replace	interitof 6, 8	OK IU ACP	rivi Around I	o#∪3/6, (	J427, U37	a, U3 // a		0				
Engineering Design			28-Aug-12 A	31-Mar-14 A													
	gineering Design - 4.09 (14-19)		28-Aug-12 A	31-Mar-14 A	4-19)						<mark></mark>						
Permitting		65	· · · · · · · · · · · · · · · · · · ·	30-Jun-14 A		1 1											
	mitting - 4.09 (14-19)	65	<u> </u>	30-Jun-14 A	omodt					Permitt	ting - 4 <mark>.0</mark> 9	(14-19)					
Procurement		164		15-Feb-15 A	rement	1 1	1 1	1 1	1 1		<u>:</u>						
	ocurement - 4.09 (14-19)	164	01-Jul-14 A	15-Feb-15 A	Contracts						Pro <mark>c</mark> ure	ement -	4.09 (14-19)	-			
Construction		107		03-Jun-15 A	Construction	1 1	1 1	1 1	1 1				<u>                                     </u>				
	nstruction - 4.09 (14-19)		17-Feb-15 A	03-Jun-15 A								1	Construction	- 4.09 (14-19)			
	bstantial Completion (CD Compliance Date 10/17/20) - 4.09 (14-19)	0		03-Jun-15 A	Completion (CD Complete Project Administration	iance Date	10/17/20) - 4	.09 (14-19)	-		ļ <mark>.</mark> ]						
Project Administration			28-Aug-12 A	03-Jun-15 A	rigea Administration	1											
	ASD Project Administration - 4.09 (14-19)		28-Aug-12 A	03-Jun-15 A	ct.Administration - 4.09	9 (14-19)	<u></u>	<u>. ļ ļ</u>	<u></u>	<u></u>	<u> </u>	- 34 TO	40 - 41 00 (20 - 24) D-25	COD ENVISED BOYO	idee yo NW 305 Years	046 To 2 0 14700 TO 2	101 -400 
	8" ACPFM from PS#0366 to NW42ndPl/199thTer.& 1792LF 10"-39thCt/199th St		29-Aug-14 A	31-Jul-19	ro Doniga						<u>.</u>	JI-JUI-	19, 4.09 (20-21) Replace 467LF 8" /	OF FIVE HOM PS#0	10 INVV 4∠⊓0H/19	out let. & 1/92LF 1	บ <b>- </b> 39th
Pre-Design			29-Aug-14 A	30-Apr-15 A	re-Design							į					
CT20030 Pre	e-Design - 4.9 (20-21)	245	29-Aug-14 A	30-Apr-15 A	9 (20-21)	i i	1 1	- i	i i		1	1		- i - i - i - i - i - i - i - i - i - i	i i	i	1

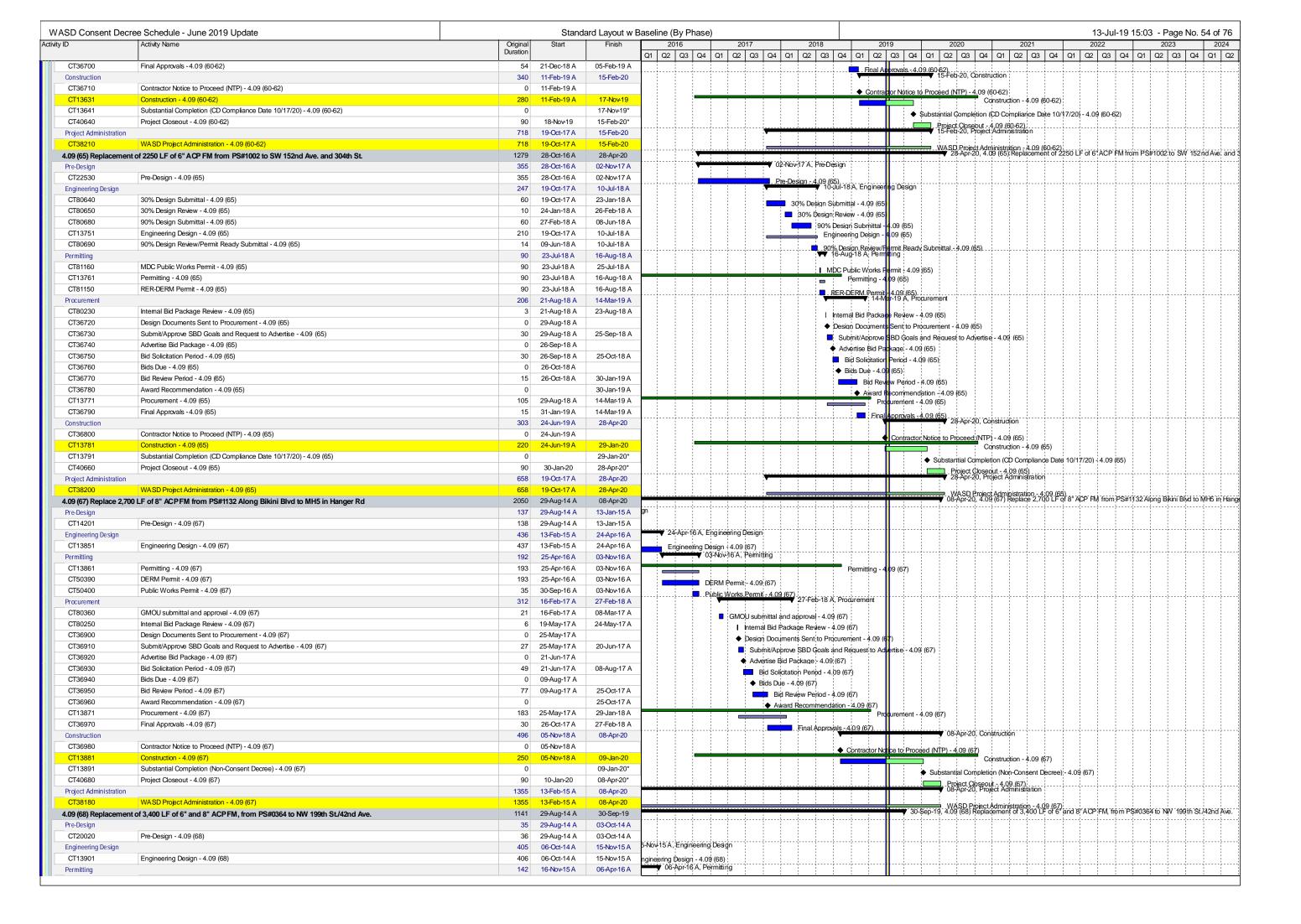
	ree Schedule - June 2019 Update	Original			Saseline (By Phase)	2040	200	10	2020		1	2024		1-19 15:0	03 - Page	; INO.
ID	Activity Name	Original Duration	Start	Finish	2016 2017 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q	2018	04 01 02		2020		01	2021	2022	04 01	2023	Τω
Engineering Design		152	30-Apr-15 A	29-Sep-15 A	ep-15 A, Engineering Design	7 41 42 40	4 01 02	Q0   Q7   Q1	QZ Q	5 Q-	Q I	QZ QO QT	Q1 Q2 Q3	Q+ Q1	1 QZ Q3	1 64
CT31001	30% Design Submittal - 4.09 (20-21)	34	01-May-15 A	03-Jun-15 A	Submittal - 4.09 (20-21)											
CT31011	60% Design Submittal - 4.09 (20-21)	28	04-Jun-15 A	01-Jul-15 A							1 1					
CT31021	90% Design Submittal - 4.09 (20-21)	22	02-Jul-15 A	23-Jul-15 A	n Submittal - 4.09 (20-21)						1 1					
CT12401	Engineering Design - 4.09 (20-21)	152	30-Apr-15 A	29-Sep-15 A	ign Submittal - 4.09 (20-21) neering Design - 4.09 (20-21)						1 1					
Permitting		83	29-Sep-15 A	21-Dec-15 A	21-Dec-15 A, Permitting				††		· † † -			†		1
CT12411	Permitting - 4.09 (20-21)	84	29-Sep-15 A	21-Dec-15 A		<u> </u>	Permitting - 4	09 (20-21)			1 1					
Procurement		170	22-Dec-15 A	09-Jun-16 A	09-Jun-16 A, Procurement			70 (20 2 )	<del>  </del>		· † † -			†		+
CT35370	100% Design Documents Sent to Procurement - 4.09 (20-21)	0	22-Dec-15 A		100% B	-1 4 00 (00 04)					1 1					
CT35380	Submit/Approve SBD Goals and Request to Advertise - 4.09 (20-21)	76	22-Dec-15 A	06-Mar-16 A	100% Design Documents Sent to Procureme		0.04				1 1					
CT35390	Advertise Bid Package - 4.09 (20-21)	0	07-Mar-16 A		Submit/Approve SBD Goals and Reques	st to Adventse - 4.09 (2	0-21)				1 1					
CT35400	Bid Solicitation Period - 4.09 (20-21)	30	07-Mar-16 A	05-Apr-16 A	◆ Advertise Bid Package - 4.09 (20-21)						1 1					
CT35410	Bids Due - 4.09 (20-21)	0	06-Apr-16 A		Bid Solicitation Period - 4.09 (20-21)											
CT35420	Bid Review Period - 4.09 (20-21)	23	06-Apr-16 A	28-Apr-16 A	♦ Bids Due - 4.09 (20-21)			1 1		1	1 1					
CT35430	Award Recommendation - 4.09 (20-21)	0		28-Apr-16 A	■ Bid Review Period - 4.09 (20-21)											
CT12421	Procurement - 4.09 (20-21)	171	22-Dec-15 A	09-Jun-16 A	◆ Award Recommendation -4.09 (20-	21)		urement - 4.09 (	20-21)	1	1 1					
CT35440	Final Approvals -4.09 (20-21)	43	28-Apr-16 A	09-Jun-16 A			FIG	urement - 4.09 (	20-21)							
CT50960	P.O. Issued - 4.09 (20-21)	0	20-Api-10 A	09-Jun-16 A	Final Approvals - 4.09 (20-21)						1 1				1 1	
nstruction	1.0. 20000 - 7.00 (20-21)	409	22-Aug-16 A	31-Jul-19	◆ P.O. Issued - 4.09 (20-21)			31-Jul-19, Co	struction					}		
CT35450	Contractor Notice to Proceed (NTP) - 4.09 (20.24)			31-Jul-19						į						
	Contractor Notice to Proceed (NTP) - 4.09 (20-21)	107	22-Aug-16 A	06 Mar 47 A	◆ Contractor Notice to Proceed	I (NTP) - 4.09 (20-21)										
T12431	Construction - 4.09 (20-21)	197	22-Aug-16 A	06-Mar-17 A						С	onstructio	on - 4.09 (20-21)				
T12441	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (20-21)	0	07 1447 4	06-Mar-17 A	◆ Substantial Cor	npletion (CD Complian	ce Date 10/17/20	- 4.09 (20-21)								
T40470	Project Closeout - 4.09 (20-21)	212	07-Mar-17 A	31-Jul-19				Project Close 31-Jul-19, Pro	out - 4.09	(20-21)				ļ		<del> </del>
oject Administration			01-May-15 A	31-Jul-19				51-Jun 19, PR	geor warnii	noualiO						
T38350	WASD Project Administration - 4.09 (20-21)		01-May-15 A	31-Jul-19			Aug-18 A, 4.09 (2	WASD Project	t Administ	ration -	4.09.(20-	21) rom PS#358 to P	5€#∩3∉3	ļļ		
	nt of 2,013 LF of 6" ACP FM from PS#358 to PS#0352		01-Nov-14 A	02-Aug-18 A	o Deple	02-	Aug-10 A, 4.09 (2	z) replacement	۱، ∠,∪ ائ L		TOP FIVE	1011 FO#308 TO F	J#UJUZ	ļļ		
e-Design		180	01-Nov-14 A	30-Apr-15 A	re-Design						1 1					
T22280	Pre-Design - 4.09 (22)	181	01-Nov-14 A	30-Apr-15 A	09 (22) A, Engineering Design				11		.ii.			11		
gineering Design		87	01-May-15 A	27-Jul-15 A	A, Engineering Design											
T37360	30% Design Submittal - 4.09 (22)	29	01-May-15 A	29-May-15 A	Submittal - 4.09 (22)						1 1					
T37370	60% Design Submittal - 4.09 (22)	26	01-Jun-15 A	26-Jun-15 A	n Submittal - 4.09 (22)						1 1					
T37380	90% Design Submittal - 4.09 (22)	29	29-Jun-15 A	27-Jul-15 A	ign Submittal - 4.09 (22)											
T12451	Engineering Design - 4.09 (22)	87	01-May-15 A	27-Jul-15 A	ing Design - 4.09 (22)					1	1 1					
rmitting		126	14-Aug-15 A	18-Dec-15 A	18-Dec-15 A, Permitting				† <del>-</del>							
CT12461	Permitting - 4.09 (22)	127	14-Aug-15 A	18-Dec-15 A		1 1 1	Permitting - 4.	09 (22)		1	1 1					
rocurement		154	18-Dec-15 A	20-May-16 A	20-May-16 A, Procurement			75.(/	<del> </del>					†		
CT35460	Design Documents Sent to Procurement - 4.09 (22)	0	18-Dec-15 A	,		10 (00)					1 1					
CT35470	Submit/Approve SBD Goals and Request to Advertise - 4.09 (22)	80	18-Dec-15 A	06-Mar-16 A	Design Documents Sent to Procurement 4.0						1 1					
CT35480	Advertise Bid Package - 4.09 (22)	0	07-Mar-16 A		Submit/Approve SBD Goals and Reques	st to Adventse -4.09 (2	<sup>2)</sup>			1	1 1					
CT35490	Bid Solicitation Period - 4.09 (22)	28	07-Mar-16 A	03-Apr-16 A	◆ Advertise Bid Package - 4.09 (22)											
CT35500	Bids Due - 4.09 (22)	0	04-Apr-16 A	0071071	Bid Solicitation Period - 4.09 (22)						1 1					
CT35510	Bid Review Period - 4.09 (22)	7	04-Apr-16 A	10-Apr-16 A	♦ Bids Due - 4.09 (22)											
CT35520	Award Recommendation - 4.09 (22)	0	047tpi 107t	11-Apr-16 A	Bid Review Period - 4:09 (22)			1 1		1	1 1					
CT12471	Procurement - 4.09 (22)	155	18-Dec-15 A	20-May-16 A	♦ Award Recommendation - 4.09 (22)	: : : :		4 00 6	20)							
CT35530	Final Approvals - 4.09 (22)	39	12-Apr-16 A	20-May-16 A			Pro	urement - 4.09 (	(22)		1 1					
		39	12-Api-16 A	-	Final Approvals -4.09 (22)											
T50970	P.O. Issued - 4.09 (22)	•	00.0-4.40.4	20-May-16 A	◆ P.O. Issued -4.09 (22)		Aug-18 A, Const	iction	ļļ		-   -			ļļ		
onstruction	0 4 4 14 5 4 70 14 777) 400 (00)	363	03-Oct-16 A	02-Aug-18 A		V 02.	rag iro r, comou									
T35540	Contractor Notice to Proceed (NTP) - 4.09 (22)	0	03-Oct-16 A		◆ Contractor Notice to Proce	ed (NTP) - 4.09 (22)					1 1					
CT12481	Construction - 4.09 (22)	150	03-Oct-16 A	01-Mar-17 A						c	onstructio	on - 4.09 (22)				
T12491	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (22)	0		01-Mar-17 A	◆ Substantial Con	npletion (CD Compliand	ce Date 10/17/20	- 4.09 (22)								i
T40480	Project Closeout - 4.09 (22)	213	02-Mar-17 A	02-Aug-18 A		Pro	iect Closeout - 4 Aug-18 A, Projec	9 (22)	ļļ		ļļ.			ļļ		
oject Administration			01-May-15 A	02-Aug-18 A		02-	Aug-10 A, PTOJEC	nauministration !	1	i				1 1	1 1	
T38340	WASD Project Administration - 4.09 (22)	884	01-May-15 A	02-Aug-18 A			SD.Project Admir	istration - 4.09 (2	2)	524 - 204	والمراجلي	ALVAN HILL	POWERS ! See	 		
. , .	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			14-Ma	r-19 A, 4.09 (23)	replacme	nt of 18	ສ/LFbf	8 ACP FM from	PS#1022 to SW	ა5∠na St 8	x ∡86LF Alon	g 187
e-Design		194	03-Jun-15 A	14-Dec-15 A	14-Dec-15 A, Pre-Design											
T22290	Pre-Design - 4.09 (23)	195	03-Jun-15 A	14-Dec-15 A	Pre-Design - 4.09 (23) 27-Jul-16 A, Engineering Design			<u> </u>	ļ <u>i</u>		.ļi.			ļl		
ngineering Design		226	14-Dec-15 A	27-Jul-16 A	27-Jul-16 A, Engineering Design	ın ı										
CT35001	30% Design Submittal - 4.09 (23)	71	17-Dec-15 A	25-Feb-16 A	30% Design Submittal -4.09 (23)											
CT35011	60% Design Submittal - 4.09 (23)	30	25-Feb-16 A	25-Mar-16 A	60% Design Submittal - 4.09 (23)											
T12501	Engineering Design - 4.09 (23)	137	14-Dec-15 A	28-Apr-16 A	Engineering Design - 4.09 (23)											
T35021	90% Design Submittal - 4.09 (23)	34	26-Mar-16 A	28-Apr-16 A	90% Design Submittal - 4.09 (23)											
T50310	90% Design Review -4.09 (23)	8	29-Apr-16 A	06-May-16 A	■ 90% Design Review - 4.09 (23)											
T50540	100% Design Submittal Permit Ready - 4.09 (23)	82	07-May-16 A	27-Jul-16 A	1 1 1 1 1 1 1 1	Ready - 4.09 (23)			i	j						.j
mitting		92	28-Jul-16 A	28-Oct-16 A	100% Design. Submittal Permit 28-Oct-16 A, Permitting	, , , , , , , , , , , , , , , , , , , ,										1
Г50230	Public Works Permit - 4.09 (23)	92	28-Jul-16 A	27-Oct-16 A			Public Works	Permit - 4.09 (23)								
T12511	Permitting - 4.09 (23)	93	28-Jul-16 A	28-Oct-16 A			Permitting - 4	i i '								
T50220	RER DERM Permit - 4.09 (23)	93	28-Jul-16 A	28-Oct-16 A		<u> </u>	- ! ! "	emit - 4.09 (23)						1 1		
ocurement		380	02-Dec-16 A	07-Dec-17 A		▼ 07-Dec-17 A, Procu			<del></del>					; <u>;</u>		
T80270	GMOU submittal and approval - 4.09 (23)	23	02-Dec-16 A	24-Dec-16 A	1 1 1 1 1 1 1 1				1	1	1			i i		
CT80290	Internal Bid Package Review - 4.09 (23)	6	16-Mar-17 A	21-Mar-17 A	■ GMOU submittal and	the state of the s										
		0		ZI-IVIAI-1/A		ckage Review - 4.09 (2	1 1									
T35550 T35560	Design Documents Sent to Procurement - 4.09 (23)	0	21-Mar-17 A	10 0 0 17 0		ents Sent to Procurem	1 1			1						1
LIACONII	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)		21-Mar-17 A	18-Apr-17 A	■ Submit/Appr	ove SBD Goals and Re	equest to Advertis	e - 4.09 (23)			1 1					
T35570	Advertise Bid Package - 4.09 (23)	0	19-Apr-17 A													

	e Schedule - June 2019 Update	Original			Baseline (By Phase)	2019   20	010	2020		2024		9 15:03 - Pag	·
ID	Activity Name	Original Duration	Start	Finish	2016 2017 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q		019 Q3 Q4 Q1	2020 Q2 Q3	Q4 O1	2021 Q2 Q3 Q4 Q1	2022 Q2 Q3 Q	2023 14 Q1 Q2 Q	
CT35580	Bid Solicitation Period - 4.09 (23)	56	19-Apr-17 A	13-Jun-17 A	1	citation Period - 4.09 (23)	GO   Q+   Q+	QZ   QO	Q1 Q1	GZ GO GT GI	G2   G0   G	4 41 42 4	0 97
CT35590	Bids Due - 4.09 (23)	0	14-Jun-17 A		1	e - 4.09 (23)							
CT35600	Bid Review Period - 4.09 (23)	125	14-Jun-17 A	02-Oct-17 A		Bid Review Period - 4.09 (23)							
CT35610	Award Recommendation - 4.09 (23)	0		02-Oct-17 A	1 1 1 1 1 1 1 1	Award Recommendation - 4,09 (23)							
CT12521	Procurement - 4.09 (23)	240	21-Mar-17 A	07-Dec-17 A			o <mark>c</mark> urement - 4.09 (2	23)					
CT35620	Final Approvals -4.09 (23)	30	03-Oct-17 A	07-Dec-17 A	<u> </u>	Final Approvals - 4.09 (23)							
Construction		292	03-Jan-18 A	14-Mar-19 A		14-N	M <mark>a</mark> r-19 A, Construct	ion					
CT35630	Contractor Notice to Proceed (NTP) - 4.09 (23)	0	03-Jan-18 A			◆ Contractor Notice to Proceed (NTF	F) - 4 00 (23)						
CT12531	Construction - 4.09 (23)	230	03-Jan-18 A	15-Jun-18 A		Contractor Notice to Floceed (141)	7-4.00 (23)		Construct	tion - 4.09 (23)			
CT12541	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (23)	0		15-Jun-18 A	1	◆ Substantial Completion	n CD Compliance I	hata 10/17/20	1 - 4 00 (23)				
CT40490	Project Closeout - 4.09 (23)	90	16-Jun-18 A	14-Mar-19 A			1 1	: : :	7-4.03 (23)	<b>'</b> i i i i			
Project Administration		1020	17-Dec-15 A	14-Mar-19 A		14-N	ect Closeout <u>-</u> 4.09 V <mark>a</mark> r-19 A, Project Ad	dministration					
CT38330	WASD Project Administration - 4.09 (23)	1020	17-Dec-15 A	14-Mar-19 A		I WAS	SID Project Administ	tration - 4 00	(23)				
4.09 (24) Replacement of	of 840 LF of 8" A CP FM Along NW 49th Ct.from PS#0353 to NW 177th St.	1065	01-Nov-14 A	30-Sep-17 A		WAS 30-Sep-17 A, 4.09 (24) Replacement of	840 LF of 8"ACP F	M Along NW	49th Ct.fro	m PS#0353 to NW 177	7th St.		
Pre-Design	•	141	01-Nov-14 A	22-Mar-15 A	Design		1						1 1
CT22300	Pre-Design - 4.09 (24)	142	01-Nov-14 A	22-Mar-15 A	(24)								
Engineering Design		332	23-Mar-15 A	18-Feb-16 A	18-Feb-16 A, Engineering Design		- <mark> </mark>	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
CT12551	Engineering Design - 4.09 (24)	333	23-Mar-15 A	18-Feb-16 A	Engineering Design - 4.09 (24)								
Permitting		41	19-Feb-16 A	31-Mar-16 A	31-Mar-16 A, Permitting		·	†					
,	Permitting - 4.09 (24)	42	19-Feb-16 A	31-Mar-16 A		Permitting - 4	4.09 (24)						
Procurement		84	07-Apr-16 A	30-Jun-16 A	30-Jun-16 A, Procurement		-	†			· i · · · · i · · · · i · · · · · · · ·		
	Design Documents Sent to Procurement - 4.09 (24)	0	07-Apr-16 A		Dogian Day ments South	2001 - 4 00 (24)							
	Submit/Approve SBD Goals and Request to Advertise - 4.09 (24)	8	07-Apr-16 A	14-Apr-16 A	Design Documents Sent to Procurent								
	Advertise Bid Package - 4.09 (24)	0	15-Apr-16 A	,	Submit/Approve SBD Goals and Re	juesi to Advenise - 4.09 (24)							
	Bid Solicitation Period - 4.09 (24)	27	15-Apr-16 A	11-May-16 A	◆ Advertise Bid Package - 4.09 (24)								
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	Bid Review Period - 4.09 (24)	2	12-May-16 A	13-May-16 A	♦ Bids Due - 4.09 (24)								
	Award Recommendation - 4.09 (24)	0	12 May 1071	13-May-16 A	I Bid Review Period - 4.09 (24)								
	Procurement - 4.09 (24)	85	07-Apr-16 A	30-Jun-16 A	◆ Award Recommendation - 4.09 (2		romont 4.00 (	24)					
	Final Approvals -4.09 (24)	46	16-May-16 A	30-Jun-16 A		i i i i i i i i i i	o <mark>c</mark> urement - 4.09 (2	24)					
	1 III al Appiovais -4.05 (24)	384		30-Sep-17 A	Final Approvals -4.09 (24)	30-\$ep-17 A, Construction	- <mark></mark>	}}					
Construction	Contractor Nation to Disposed (NTD): 4.00 (04)	0	12-Sep-16 A	30-Зер-17 А									
	Contractor Notice to Proceed (NTP) - 4.09 (24)		12-Sep-16 A	07.0-+40.4	◆ Contractor Notice to Proce	ed (NTP) - 4.09 (24)							
	Construction - 4.09 (24)	46	12-Sep-16 A	27-Oct-16 A					Construct	tion - 4.09 (24)			
	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (24)	0	00.0-4.40.4	27-Oct-16 A	<ul> <li>Substantial Completion</li> </ul>	(CD Compliance Date 10/17/20) - 4.09	<mark>(2</mark> 4)						
	Project Closeout - 4.09 (24)	338	28-Oct-16 A	30-Sep-17 A		Project Closeout - 4.09 (24) 30-Sep-17 A, Project Administration	- <mark></mark>	ļļ		kkk			
Project Administration		923	23-Mar-15 A	30-Sep-17 A	· ·	30-3ep-17 A, Floject Administration							
	WASD Project Administration - 4.09 (24)	923	23-Mar-15 A	30-Sep-17 A	0.00	NASD Project Administration - 4.09 (24) 3-Sep-17 A, 4.09 (25-26) Replacement of	) 6 1040 F 6 10 A	CP FM from N	(M/173rd Di	752nd Ave to NW 177	th St/52nd Ave		
` ' '	nt 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 30-Apr-15 A	re-Design								
Pre-Design	Pre-Design - 4.09 (25-26)	180	01-Nov-14 A	30-Apr-15 A	1 : : : : : : :								
	Pre-Design - 4.09 (25-26)		01-Nov-14 A		09 (25-26) -15 A, Engineering Design		- <mark></mark>	}}		ļ <u> </u>			
Engineering Design	000/ Daving Output Hall 4 00 (05 00)	117	30-Apr-15 A	25-Aug-15 A	lion, Englishing Dough								
	30% Design Submittal - 4.09 (25-26)		01-May-15 A	03-Jun-15 A	Submittal - 4.09 (25-26)								
	60% Design Submittal - 4.09 (25-26)		04-Jun-15 A	29-Jun-15 A	n Submittal - 4.09 (25-26)								
	90% Design Submittal - 4.09 (25-26)	24	30-Jun-15 A	23-Jul-15 A	ign Submittal - 4.09 (25-26)								
	Engineering Design - 4.09 (25-26)	118	30-Apr-15 A	25-Aug-15 A	ering Design - 4.09 (25-26)		- <mark></mark>	ļļ		 			
Permitting			29-Sep-15 A	11-Nov-15 A	-Nov-15 A, Permitting	<u> </u>							
CT12611	Permitting - 4.09 (25-26)	44	29-Sep-15 A	11-Nov-15 A	100000000000000000000000000000000000000	Permitting - 4	4 <mark>.0</mark> 9 (25-26)	ļļļ.					
Procurement		243	11-Nov-15 A	11-Jul-16 A	11-Jul-16 A, Procurement								
	Design Documents Sent to Procurement - 4.09 (25-26)	0	18-Dec-15 A		Design Documents Sent to Procurement - 4	09 (25-26)							
	Submit/Approve SBD Goals and Request to Advertise - 4.09 (25-26)	87	18-Dec-15 A	13-Mar-16 A	Submit/Approve SBD Goals and Requ	est to Advertise - 4.09 (25-26)							
	Advertise Bid Package - 4.09 (25-26)	0	14-Mar-16 A		◆ Advertise Bid Package - 4.09 (25-26)								
	Bid Solicitation Period - 4.09 (25-26)	52	14-Mar-16 A	04-May-16 A	Bid Solicitation Period - 4.09 (25-2)	5)							
T35770	Bids Due - 4.09 (25-26)		05-May-16 A		♦ Bids Due - 4.09 (25-26)								
	Bid Review Period - 4.09 (25-26)	7	05-May-16 A	11-May-16 A	■ Bid Review Period - 4.09 (25-26)								
CT35780	Award Recommendation - 4.09 (25-26)	0		11-May-16 A	◆ Award Recommendation - 4.09 (2	5-26)							
T35790	Procurement - 4.09 (25-26)	244	11-Nov-15 A	11-Jul-16 A			ro <mark>c</mark> urement - 4.09 (2	25-26)					
T35790	Floculement - 4.05 (23-20)		12-May-16 A	11-Jul-16 A	Final Approvals - 4.09 (25-26)								
CT35790 CT12621	Final Approvals - 4.09 (25-26)	61		11-Jul-16 A	P.O. Issued - 4.09 (25-26)								
CT35790 CT12621 CT35800	` '	61		11-5ul-10 A									
T35790 T12621 T35800 T50980	Final Approvals - 4.09 (25-26)		07-Oct-16 A	06-Sep-17 A	▼ 00	S-Sep-17 A, Construction			- :				1 1
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CT35790 CT12621 CT35800 CT50980 construction CT35810 CT12631 CT12641 CT40510 roject Administration CT38310 D9 (29-31) Replace 6" 8	Final Approvals - 4.09 (25-26)  P.O. Issued - 4.09 (25-26)  Contractor Notice to Proceed (NTP) - 4.09 (25-26)  Construction - 4.09 (25-26)  Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)  Project Closeout - 4.09 (25-26)	0 360 0 179 0 181 885 885 2068	07-Oct-16 A 07-Oct-16 A 04-Apr-17 A 01-May-15 A 01-May-15 A 01-Apr-14 A	06-Sep-17 A  03-Apr-17 A  03-Apr-17 A  06-Sep-17 A  06-Sep-17 A  06-Sep-17 A  28-Nov-19	Contractor Notice to Pro	ceed (NTP) - 4.09 (25-26)  Completion (CD Compliance Date 10/17/ oject Closeout -4.09 (25-26) -Sep-17 A, Project Administration	26)				Ms from 107th A	.e and SW 76 St∵	and 10" FM
T35790 T12621 T35800 T50980 Instruction T35810 T12631 T12641 T40510 Oject Administration T38310 9 (29-31) Replace 6" 8	Final Approvals - 4.09 (25-26) P.O. Issued - 4.09 (25-26)  Contractor Notice to Proceed (NTP) - 4.09 (25-26)  Construction - 4.09 (25-26)  Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)  Project Closeout - 4.09 (25-26)  WASD Project Administration - 4.09 (25-26)  & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812	0 360 0 179 0 181 885 885 2068	07-Oct-16 A 07-Oct-16 A 04-Apr-17 A 01-May-15 A 01-May-15 A 01-Apr-14 A 01-Apr-14 A	06-Sep-17 A  03-Apr-17 A  03-Apr-17 A  06-Sep-17 A  06-Sep-17 A  06-Sep-17 A  28-Nov-19  29-Sep-14 A	Contractor Notice to Pro	ceed (NTP) - 4.09 (25-26)  Completion (CD Compliance Date 10/17/ oject Closeout -4.09 (25-26) -Sep-17 A, Project Administration	26)				Mis from 107 th A	.e and SW 76 St.	and 10" FM
CT35790 CT12621 CT35800 CT50980 onstruction CT35810 CT12631 CT12641 CT40510 roject Administration CT38310 09 (29-31) Replace 6" 8 re-Design	Final Approvals - 4.09 (25-26) P.O. Issued - 4.09 (25-26)  Contractor Notice to Proceed (NTP) - 4.09 (25-26)  Construction - 4.09 (25-26)  Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)  Project Closeout - 4.09 (25-26)  WASD Project Administration - 4.09 (25-26)	0 360 0 179 0 181 885 885 2068 181	07-Oct-16 A 07-Oct-16 A 04-Apr-17 A 01-May-15 A 01-May-15 A 01-Apr-14 A 01-Apr-14 A	06-Sep-17 A  03-Apr-17 A  03-Apr-17 A  06-Sep-17 A  06-Sep-17 A  06-Sep-17 A  28-Nov-19  29-Sep-14 A	Contractor Notice to Pro	ceed (NTP) - 4.09 (25-26)  Completion (CD Compliance Date 10/17/ oject Closeout -4.09 (25-26) -Sep-17 A, Project Administration	26)				Ms from 107 th Av	.e and SW 76 St∵	and 10" FM
CT35790 CT12621 CT35800 CT50980 Construction CT35810 CT12631 CT12641 CT40510 Project Administration CT38310 09 (29-31) Replace 6" 8 Pre-Design CT22580 Ingineering Design	Final Approvals - 4.09 (25-26) P.O. Issued - 4.09 (25-26)  Contractor Notice to Proceed (NTP) - 4.09 (25-26)  Construction - 4.09 (25-26)  Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)  Project Closeout - 4.09 (25-26)  WASD Project Administration - 4.09 (25-26)  & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812  Pre-Design - 4.09 (29-31)	0 360 0 179 0 181 885 885 2068 181 182	07-Oct-16 A 07-Oct-16 A 07-Oct-16 A 01-May-17 A 01-May-15 A 01-Apr-14 A 01-Apr-14 A 01-Apr-14 A 30-Sep-14 A	06-Sep-17 A  03-Apr-17 A  03-Apr-17 A  06-Sep-17 A  06-Sep-17 A  06-Sep-17 A  28-Nov-19  29-Sep-14 A  19-Nov-15 A	Contractor Notice to Pro  Substantial  Policy  9-Nov-15 A, Engineering Design	ceed (NTP) - 4.09 (25-26)  Completion (CD Compliance Date 10/17/ oject Closeout -4.09 (25-26) -Sep-17 A, Project Administration	26)				Mis from 107 th Av	.e and SW 76 St∵	and 10" FM
CT35790 CT12621 CT35800 CT50980 construction CT35810 CT12631 CT12641 CT40510 roject Administration CT38310 D9 (29-31) Replace 6" 8 re-Design CT22580 Ingineering Design CT12751	Final Approvals - 4.09 (25-26) P.O. Issued - 4.09 (25-26)  Contractor Notice to Proceed (NTP) - 4.09 (25-26)  Construction - 4.09 (25-26)  Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)  Project Closeout - 4.09 (25-26)  WASD Project Administration - 4.09 (25-26)  & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812	0 360 0 179 0 181 885 885 2068 181 182 415	07-Oct-16 A 07-Oct-16 A 07-Oct-16 A 01-May-17 A 01-May-15 A 01-Apr-14 A 01-Apr-14 A 01-Apr-14 A 30-Sep-14 A	06-Sep-17 A  03-Apr-17 A  03-Apr-17 A  06-Sep-17 A  06-Sep-17 A  06-Sep-17 A  28-Nov-19  29-Sep-14 A  19-Nov-15 A	Substantial (Pro	ceed (NTP) - 4.09 (25-26)  Completion (CD Compliance Date 10/17, oject Closeout - 4.09 (25-26) - Sep-17 A, Project Administration  ASD Project Administration - 4.09 (25-2)	26)				Mis from 107 th A	.e and SW 76 St.	and 10" FM
CT35790 CT12621 CT35800 CT50980 construction CT35810 CT12631 CT12641 CT40510 roject Administration CT38310 D9 (29-31) Replace 6" 8 re-Design CT22580 Ingineering Design CT12751 ermitting	Final Approvals - 4.09 (25-26) P.O. Issued - 4.09 (25-26)  Contractor Notice to Proceed (NTP) - 4.09 (25-26)  Construction - 4.09 (25-26)  Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)  Project Closeout - 4.09 (25-26)  WASD Project Administration - 4.09 (25-26)  8. 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812  Pre-Design - 4.09 (29-31)  Engineering Design - 4.09 (29-31)	0 360 0 179 0 181 885 885 2068 181 182 415 416	07-Oct-16 A 07-Oct-16 A 07-Oct-16 A 01-May-17 A 01-May-15 A 01-Apr-14 A 01-Apr-14 A 01-Apr-14 A 30-Sep-14 A 07-Apr-16 A	06-Sep-17 A  03-Apr-17 A  03-Apr-17 A  06-Sep-17 A  06-Sep-17 A  06-Sep-17 A  28-Nov-19  29-Sep-14 A  29-Sep-14 A  19-Nov-15 A  19-Nov-15 A	Substantial (Pro	ceed (NTP) - 4.09 (25-26)  Completion (CD Compliance Date 10/17/ oject Closecut - 4.09 (25-26) - Sep-17 A, Project Administration  ASD Project Administration - 4.09 (25-2)	28-No	¥19, 4.09 (29	-31) Replac		Mis from 107th A	ue ànd SW 76 St∴	and 10° AM
2735790 2712621 2735800 2750980 2750980 27512631 2712631 2712641 2740510 20ject Administration 2738310 9 (29-31) Replace 6" 8 e-Design 2722580 1gineering Design 2712751 2750490	Final Approvals - 4.09 (25-26) P.O. Issued - 4.09 (25-26)  Contractor Notice to Proceed (NTP) - 4.09 (25-26)  Construction - 4.09 (25-26)  Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)  Project Closeout - 4.09 (25-26)  WASD Project Administration - 4.09 (25-26)  & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812  Pre-Design - 4.09 (29-31)	0 360 0 179 0 181 885 885 2068 181 182 415	07-Oct-16 A 07-Oct-16 A 07-Oct-16 A 01-May-17 A 01-May-15 A 01-Apr-14 A 01-Apr-14 A 01-Apr-14 A 30-Sep-14 A	06-Sep-17 A  03-Apr-17 A  03-Apr-17 A  06-Sep-17 A  06-Sep-17 A  06-Sep-17 A  28-Nov-19  29-Sep-14 A  19-Nov-15 A	Substantial (Pro	ceed (NTP) - 4.09 (25-26)  Completion (CD Compliance Date 10/17/ oject Closeout - 4.09 (25-26) - Sep-17 A, Project Administration  ASD Project Administration - 4.09 (25-2)	6 28-No	¥19, 4.09 (29	-31) Replac		Ms from 107th Av	weàndSW 76St∴	and 10° FM

	ecree Schedule - June 2019 Update	ļ			aseline (By Phase) 13-Jul-19 15:03 - Page No. 51 of 76
tivity ID	Activity Name	Original Duration	Start	Finish	2016   2017   2018   2019   2020   2021   2022   2023   2024
CT50480	RER DERM/FDEP Permit - 4.09 (29-31)	362	13-May-16 A	09-May-17 A	RER DERM/HDEP Permit- 4.09 (29-31)
Procurement		229	01-Mar-17 A	22-Sep-17 A	22-Sep-17,A, Procurement
CT80280	GMOU submittal and approval - 4.09 (29-31)	21	01-Mar-17 A	21-Mar-17 A	GMOU submittal and approval - 4.09 (29-31)
CT80180	Internal Bid Package Review - 4.09 (29-31)	12	•	02-May-17 A	■ Internal Bid Package Review - 4.09 (29-31)
CT35910	Design Documents Sent to Procurement - 4.09 (29-31)	0			♦ Design Documents Sent to Procurement - 4.09 (29-31)
CT35920	Submit/Approve SBD Goals and Request to Advertise - 4.09 (29-31)	22	•	24-May-17 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (29-31)
CT35930 CT35940	Advertise Bid Package - 4.09 (29-31)  Bid Solicitation Period - 4.09 (29-31)	0 54		17-Jul-17 A	◆ Advertise Bid Package - 4.09 (29-31)
CT35940 CT35950	Bids Due - 4.09 (29-31)	0	•	17-3ul-17 A	Bid Solicitation Period - 4.09 (29-31)
CT35960	Bid Review Period - 4.09 (29-31)	29		15-Aug-17 A	♦ Bids Due - 4.09 (29-31)
CT35970	Award Recommendation - 4.09 (29-31)	0		15-Aug-17 A	■ Bid Review Period -4.09 (29-31)  ◆ Award Recommendation: -4.09 (29-31)
CT12771	Procurement - 4.09 (29-31)	166	03-May-17 A	22-Sep-17 A	Procurement - 4.09 (29-31)
CT35980	Final Approvals -4.09 (29-31)	61	16-Aug-17 A	22-Sep-17 A	Final Approvals -4.09 (2931)
Construction		608	05-Mar-18 A	28-Nov-19	▼ 28-Nol-19, Construction
CT35990	Contractor Notice to Proceed (NTP) - 4.09 (29-31)	0			◆ Contractor Notice to Proceed NTP) - 4.09 (29-31)
CT12781	Construction - 4.09 (29-31)		05-Mar-18 A	30-Aug-19	Construction - 4.09 (29-31)
CT12791	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29-31)	0		30-Aug-19*	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29-31)
CT40540	Project Closeout - 4.09 (29-31)	90		28-Nov-19*	Project Closeout - 4,09 (29-31)  28-Nov-19, Project Administration
Project Administration	WASD Project Administration - 4.09 (29-31)	1522	•	28-Nov-19 28-Nov-19	
CT38280		1174	30-Sep-14 A 26-Nov-14 A	05-Apr-19 A	WA SD Project Administration - 4.09 (29-31).  ▼ 05-Apr-19.A, 4.09 (32) Replacement of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd
4.09 (32) Replaceme	ent of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd	1174		30-Apr-15 A	e-Design
CT22340	Pre-Design - 4.09 (32)	156	26-Nov-14 A	30-Apr-15 A	
Engineering Design		103		12-Aug-15 A	D9 (32) 15 A, Engineering Design
CT37420	30% Design Submittal - 4.09 (32)	55	-	24-Jun-15 A	n Submittal ~ 4.09 (32)
CT37430	60% Design Submittal - 4.09 (32)	27	25-Jun-15 A	21-Jul-15 A	gn Submittal - 4.09 (32)
CT37440	90% Design Submittal - 4.09 (32)	22	22-Jul-15 A	12-Aug-15 A	sign Submittal - 4:09 (32)
CT12801	Engineering Design - 4.09 (32)	103	01-May-15 A	12-Aug-15 A	ring Design - 4.09 (32)
Permitting		84	· ·	21-Dec-15 A	21-Dec-15:A, Permitting
CT12811	Permitting - 4.09 (32)	85	·	21-Dec-15 A	Permitting - 4,09 (32)  ▼ 22-Aug-16 A, Procurement
Procurement		244		22-Aug-16 A	22-Aug-16 A, Procurement
CT36000	Design Documents Sent to Procurement - 4.09 (32)	0		14-Mar-16 A	Design Documents Sent to Procurement - 4.09 (32)
CT36010 CT36020	Submit/Approve SBD Goals and Request to Advertise - 4.09 (32)  Advertise Bid Package - 4.09 (32)	84		14-Mai-16 A	Submit/Approve \$BD Goals and Request to Advertise - 4.09 (32)
CT36030	Bid Solicitation Period - 4.09 (32)	30		13-Apr-16 A	♦ Advertise Bid Package : 4.09 (32)
CT36040	Bids Due - 4.09 (32)	0		1071011071	Bid Solicitation Period - 4.09 (32)
CT36050	Bid Review Period - 4.09 (32)	15		28-Apr-16 A	♦ Bids Due!- 4.09 (32)
CT36060	Award Recommendation - 4.09 (32)	0		28-Apr-16 A	■ Bid Review Period - 4.09 (\$2)  ◆ Award Recommendation -4.09 (\$2)
CT12821	Procurement - 4.09 (32)	245	22-Dec-15 A	22-Aug-16 A	Progurement - 4.09 (32)
CT36070	Final Approvals - 4.09 (32)	117	28-Apr-16 A	22-Aug-16 A	Final Approvals - 4.09 (32)
CT51020	P.O. Issued - 4.09 (32)	0		22-Aug-16 A	◆ PO Issued :4 (19 (32)
Construction		363	14-Feb-17 A	05-Apr-19 A	▼ 05-Apr-19.A, Construction
CT36080	Contractor Notice to Proceed (NTP) - 4.09 (32)	0			◆ Contractor Notice to Proceed (NTP) - 4.09 (32)
CT12831	Construction - 4.09 (32)	242	14-Feb-17 A	13-Oct-17 A	Construction - 4.09 (32)
CT12841	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (32)	0		13-Oct-17 A	♦ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (32)
CT40550	Project Closeout - 4.09 (32)	90		05-Apr-19 A	Project Closeout - 4.09 (32).  05-Apr-19 A, Project Administration
Project Administration CT38270	WASD Project Administration - 4.09 (32)	987 987	01-May-15 A 01-May-15 A	05-Apr-19 A 05-Apr-19 A	
	701 LF 4" AC Pfrom PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.	954		31-Aug-18 A	WASD Project Administration - 4.09 (32).  ✓ 31-Aug-18 A, 4.09 (33) Replace 1701 LF 4" ACP from PVT PS at SW104th Avc. & 169th St. to MH42 at SW103rd Ave.
Engineering De sign	701 El 7 AOI HOITH VI TO GLOWIO-GLIANC. GLIOSHIOLE DINIPALECTORIOSICIANO.	73		25-Apr-16 A	▼ 25-Apr-16 A, Engineering Design
CT12851	Engineering Design - 4.09 (33)	74		25-Apr-16 A	Engineering Design + 4.09 (33)
Permitting		53	28-Apr-16 A	20-Jun-16 A	v v 20-Jun-16 A, Permitting
CT50300	Miami Dade Public Works Permit - 4.09 (33)	29	28-Apr-16 A	26-May-16 A	Miami Dade Public Works Permit - 4.09 (33)
CT12861	Permitting - 4.09 (33)	54	28-Apr-16 A	20-Jun-16 A	Permitting - 4 09 (33)
CT50290	RER (DERM) / FDEP Permit - 4.09 (33)	42	•	20-Jun-16 A	RER (DERM) FDEP Permit - 4 09 (33)
Construction		448		13-Oct-16 A	▼ 13-Oct-16 A, Construction
CT12881	Construction (WASD h House) - 4.09 (33)	12	01-Aug-16 A	12-Aug-16 A	Canstruction (WASD'n House) - 4.09 (33)
CT12891	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (33)	0	40 4 40 4	12-Aug-16 A	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (33)
CT40560	Project Closeout - 4.09 (33)	436		13-Oct-16 A	Project Closeout - 4.09 (33). ▼ 31-Aug-18 A Project Administration
Project Administration CT38260	WASD Project Administration - 4.09 (33)	23	31-Aug-18 A 31-Aug-18 A	31-Aug-18 A 31-Aug-18 A	
	e ACP DM with 8" & 12" DI FM from SW108 PI/SW177 St to SW95 Ave/SW163 St.	1631	21-Oct-15 A	07-Apr-20	1. WASD Project Administration 34.09 (33) 07-Apr-20, 4.09 (34-43) Replace ACP DM with 8" & 12" DIFM from SW108 PVSW177 St to SW 95 Av
Pre-Design	S. S. S. MIRIO & IZ STIM HOM OF 100 1 FOR 111 OLD OFF 30 AVGOVE 100 OL	338		23-Sep-16 A	₹ 23-Sep-16 A, Pre-Design
CT22370	Pre-Design - 4.09 (34-43)	339		23-Sep-16 A	
Engineering Design		451	23-Sep-16 A	10-May-18 A	Pre-Design - 4.09 (34-43).  ▼ 10-May-18 A, Engineering Design
CT37880	30% Design Submittal - 4.09 (34-43)	90		21-Dec-16 A	30% Design Submittal + 4.09 (34-43)
CT50430	30% Design Review - 4.09 (34-43)	37	22-Dec-16 A	27-Jan-17 A	30% Design Review - 4.09 (34-43)
CT37890	60% Design Submittal - 4.09 (34-43)	39	28-Jan-17 A	07-Mar-17 A	■ 60% Design Submittal -4.09 (34-43)
CT50440	60% Design Review - 4.09 (34-43)	48	08-Mar-17 A	24-Apr-17 A	60% Design Review ; 4.09 (34-43)
CT37900	90% Design Submittal - 4.09 (34-43)	39		02-Jun-17 A	90% Design Submittal - 4.09 (34-43)
CT50320	90% Design Review - 4.09 (34-43)	138		20-Oct-17 A	90% Design Review + 4.09 (34-43)
CT12951	Engineering Design - 4.09 (34-43)	420	•	10-May-18 A 10-May-18 A	Engineering Design - 4.09 (34-43)
CT80510	100% Design/Permit Ready Submittal - 4.09 (34-43)		21-Oct-17 A		



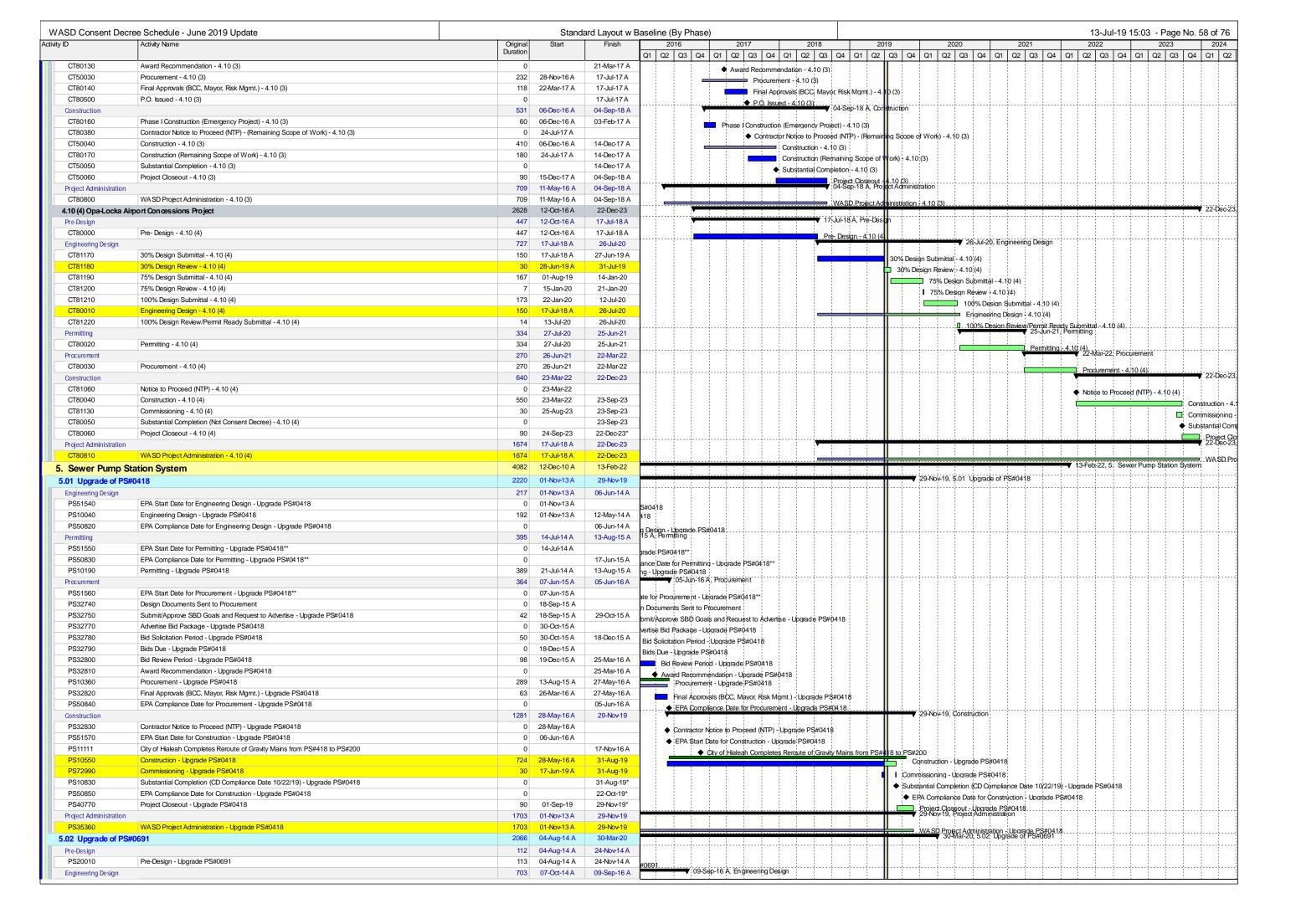


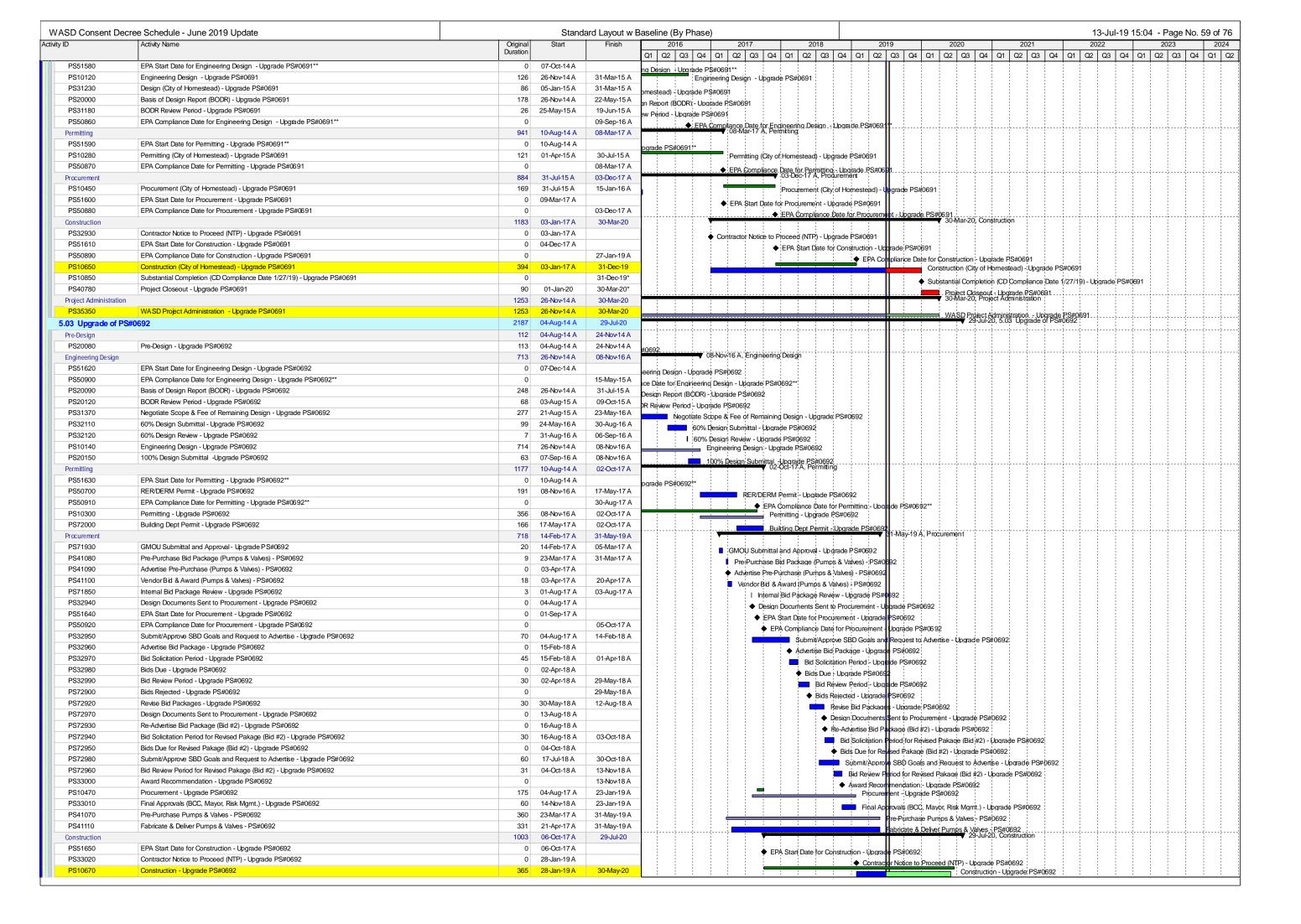


ASD Consent Decree Schedule - Activity Name	липе 2019 Opdate			ard Layout w E	Baseline (By Phase)	<u> </u>	0010		2020		2024			-19 15:03		10. 55
D Activity Name		Original Duration	Start	Finish	2016   2017   2018		2019 2 Q3 (	Q4 Q1	2020 Q2 Q3 (	4 Q1 C	2021	Q4 Q1	2022 Q2 Q3	Q4 Q1	2023 Q2 Q3	Q4
CT13911 Permitting - 4.09	(68)	143 1	6-Nov-15 A	06-Apr-16 A		Permitting -		2.   2.	40 1	4.   4	Q_   Q0	α. α.		4.   4.	- 40	<u>~</u>
Procurement		83 (	7-Apr-16 A	29-Jun-16 A	29-Jun-16;A, Procurement			1							1 1	
CT36990 Design Documer	nts Sent to Procurement - 4.09 (68)	0 0	7-Apr-16 A		◆ Design Documents Sent to Procurement - 4.09 (68)											
CT37000 Submit/Approve	SBD Goals and Request to Advertise - 4.09 (68)	8 (	7-Apr-16 A	14-Apr-16 A	Submit/Approve SBD Goals and Request to Advertise - 4.0	9 (68)										
CT37010 Advertise Bid Pa	ckage - 4.09 (68)	0 1	5-Apr-16 A		◆ Advertise Bid Package - 4.09 (68)											
CT37020 Bid Solicitation F	Period - 4.09 (68)	39 1	5-Apr-16 A	23-May-16 A	Bid Solicitation Perlod - 4.09 (68)											
CT37030 Bids Due - 4.09	(68)	0 2	3-May-16 A		◆ Bids Due - 4.09 (68)											
CT37040 Bid Review Perio	od - 4.09 (68)	3 2	4-May-16 A	26-May-16 A	Bid Review Period - 4.09 (68)											
CT37050 Award Recomm	endation - 4.09 (68)	0		26-May-16 A	◆ Award Recommendation - 4.09 (68)											
CT13921 Procurement - 4	.09 (68)	84 (	7-Apr-16 A	29-Jun-16 A		- : P	ro <mark>c</mark> uremer	nt - 4.09 (68	)							
CT37060 Final Approvals -	4.09 (68)	34 2	7-May-16 A	29-Jun-16 A	Final Approvals +4.09 (68)											
CT50990 P.O. Issued - 4.0	9 (68)	0		29-Jun-16 A	◆ P.O. Issued - 4.09 (68)											
onstruction		396 1	2-Sep-16 A	30-Sep-19	V 35555	1 1		30-\$ep-19,	Construction							
CT37070 Contractor Notice	e to Proceed (NTP) - 4.09 (68)	0 1	2-Sep-16 A		◆ Contractor Notice to Proceed (NTP) - 4.09 (68)											
CT13931 Construction - 4.	09 (68)	184 1	2-Sep-16 A	14-Mar-17 A	Consider Name (Constitution)	1 1		1 1		Constructio	n - 4.09 (68	3)				
CT13941 Substantial Com	pletion (Non-Consent Decree) - 4.09 (68)	0		14-Mar-17 A	♦ Substantial Completion (Non-Conse	nt Decree) - 4 09	(68)									
CT40690 Project Closeout	- 4.09 (68)	212 1	5-Mar-17 A	30-Sep-19	▼ Cabataman Component (1011 Sonice	it begiee) H.co	1 1	Project Clas	eout - 4 09 (6	8)						
Project Administration		1103 (	6-Oct-14 A	30-Sep-19				30-\$ep-19,	eout - 4,09 (6 Project Admir	istra tion					T. T.	
CT38170 WASD Project A	dministration - 4.09 (68)	1103 (	6-Oct-14 A	30-Sep-19		1 1		WASD Proi	ect Administra	tion - 4 09 (	(68)					
09 (69) Replacement of 2,320 LF of 12	" ACP FM from PS#0333 South to Miami Lakes Dr.	1233 1	6-Jun-14 A	28-Aug-18 A		28-Aug-18 A, 4.0	09 <mark>(</mark> 69) Re <sub>l</sub>	placement	f 2,320 LF of	12" ACP FN	VI from PS#0	0333 South	to Miami La	ikes Dr.		
re-Design		318 1	6-Jun-14 A	30-Apr-15 A	e-Design											
CT22590 Pre-Design - 4.0	9 (69)		6-Jun-14 A	30-Apr-15 A	ng (6b)											
ngineering Design			1-May-15 A	14-Aug-15 A	09 (69) 15 A, Engineering Design											
CT37480 30% Design Sub	omittal - 4.09 (69)		1-May-15 A	29-May-15 A												
T37490 60% Design Sub	* *		1-Jun-15 A	03-Jul-15 A	Submittal - 4.09 (69)											
T37500 90% Design Sub			06-Jul-15 A	14-Aug-15 A	n Suḥmittal - 4.09 (69)											
T13951 Engineering Des			1-May-15 A	14-Aug-15 A	sign \$ubmittal - 4.09 (69) ering Design - 4.09 (69)											
rmitting	ight - 4.00 (00)		9-Oct-15 A	18-Jan-16 A	▼ 18-Jan-16 A, Permitting		· - <mark>-</mark> <del> </del>									
	(60)		9-Oct-15 A	18-Jan-16 A			(00)									
	(09)				▼ 19-May-16 A, Procurement	Permitting -	4.09 (69)									
ocurement	1.0. (1.1. B		9-Jan-16 A	19-May-16 A	V (5 may 1671,1 loodionolit											
	nts Sent to Procurement - 4.09 (69)		9-Jan-16 A		◆ Design Documents Sent to Procurement - 4.09 (69)											
.,	SBD Goals and Request to Advertise - 4.09 (69)		9-Jan-16 A	06-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise - 4.09	69)										
CT37100 Advertise Bid Pa	• , ,		7-Mar-16 A		◆ Advertise Bid Package - 4.09 (69)											
CT37110 Bid Solicitation F		30 0	7-Mar-16 A	05-Apr-16 A	Bid Solicitation Period - 4.09 (69)											
T37120 Bids Due - 4.09	` '	0 0	16-Apr-16 A		♦ Bids Due - 4.09 (69)											
CT37130 Bid Review Perio	od - 4.09 (69)	6 0	6-Apr-16 A	11-Apr-16 A	Bid Review Period - 4:09 (69)											
CT37140 Award Recomm	endation - 4.09 (69)	0		11-Apr-16 A	◆ Award Recommendation - 4.09 (69)											
CT13971 Procurement - 4	.09 (69)	122 1	9-Jan-16 A	19-May-16 A		P	ro <mark>c</mark> uremer	nt - 4.09 (69	)							
CT37150 Final Approvals -	4.09 (69)	38 1	2-Apr-16 A	19-May-16 A	Final Approvals -4.09 (69)											
nstruction		470	18-Jul-16 A	28-Aug-18 A		28-Aug-18 A, Co	nstruction									-
CT37160 Contractor Notice	e to Proceed (NTP) - 4.09 (69)	0	18-Jul-16 A		◆ Contractor Notice to Proceed (NTP) - 4.09 (69)											
T13981 Construction - 4.	09 (69)	102	18-Jul-16 A	27-Oct-16 A	Summater reside to interest (1117) indexed	1 1		1 1		Constructio	n - 4.09 (69	))				
CT13991 Substantial Com	pletion (Non-Consent Decree) - 4.09 (69)	0		27-Oct-16 A	◆ Substantial Completion (Non-Consent Decree	1 - 4 00 (60)										
T40700 Project Closeout	- 4.09 (69)	368 2	8-Oct-16 A	28-Aug-18 A	1 : : : : : : : : : : :	- : :	00 (60	. ! !								
oject Administration		694 0	1-May-15 A	25-Mar-17 A	25-Mar-17; A, Project Administration	Project Closeout	-4.09.109	"								
T38150 WASD Project A	dministration - 4.09 (69)	695 0	1-May-15 A	25-Mar-17 A	WAS D Drain at All ministration 4 00	(60)										
<u> </u>	I at US-1 from SW 184th St. to N. of Caribbean Blvd		3-Sep-14 A	16-Mar-16 A	WASD Project Administration - 4.09 (70) Replace 8000LF of 10 ACP FM at U	3-1 from SW 18	4 <mark>th</mark> St. to I	N. of Caribb	ean Blvd							
e-Design			3-Sep-14 A	25-Oct-15 A	Oct-15 A, Pre-Design											
T20000 Pre-Design - 4.0	9 (70)		3-Sep-14 A	26-Oct-14 A												
-	sed Project Scope) - 4.09 (70)		9-Jun-15 A	25-Oct-15 A												
gineering Design	······································		7-Oct-14 A	16-Mar-16 A	-Design (Revised Project Scope) - 4.09 (70) 16-Mar-16 A, Engineering Design											
	ign (Original Project Scope) - 4.09 (70)		7-Oct-14 A	28-Jun-15 A	g Design (Original Project Scope) - 4.09 (70)											
T80440 Engineering Des			7-Oct-14 A	16-Mar-16 A	Engineering Design - 4.09 (70)											
	ign (Revised Project Scope) - 4.09 (70)		7-Oct-14 A	16-Mar-16 A												
T80700 Project Cancelle		0	Jul-107	16-Mar-16 A	Engineering Design (Revised Project Scope) - 4:09 (70)											i
	· · · · · · · · · · · · · · · · · · ·	-	7-Oct-14 A	16-Mar-16 A	Project Cancelled - 4.09 (70)											
oject Administration T38160 WASD Project A	dministration - 4.09 (70)		7-Oct-14 A	16-Mar-16 A												
,					WASD Project Administration - 4.09 (70)		30	)-Aug-19 /	09 (71) Renia	ce 8" A CP F	FM from PR	#0445 W a	st to NW 20	7th St, 4" Fror	n PS#0447	to NM
• • •	445, West to NW 207th St, 4" From PS#0444 to NW207St		1-Nov-14 A	30-Aug-19	sign											
Dro Docion 4 0	0 (74)		1-Nov-14 A	30-Jan-15 A			I									
T22550 Pre-Design - 4.0	স্থ ( <i>r</i> ।)		1-Nov-14 A	30-Jan-15 A	19-Apr-16 A, Engineering Design											
gineering Design	ing 4.00 (74)		2-Feb-15 A	19-Apr-16 A												
T14051 Engineering Des	ign - 4.09 (/1)		2-Feb-15 A	19-Apr-16 A	Engineeting Design - 4.09 (71)										<u>-</u>	
rmitting			9-Apr-16 A	28-Jul-16 A	▼ 28-Jul-16 A, Permitting											- 1
T50410 DERM Permit - 4	. ,		:0-Apr-16 A	09-May-16 A	■ DERM Permit - 4.09 (71)	_										
T14061 Permitting - 4.09	· /		9-Apr-16 A	28-Jul-16 A		Permitting -	4 <mark>.0</mark> 9 (71)									
Public Works Pe	rmit (City of Miami Gardens) - 4.09 (71)	100 2	:0-Apr-16 A	28-Jul-16 A	Public Works Permit (City of Miami Gardens) - 4 09	(7.1)										
ocurement		373 0	9-Feb-17 A	23-Jan-18 A	Public Works Permit (City of Miami Gardens) - 4.09 23 Jan-18 A , F	rocurement								1 1	1 1	
CT80390 GMOU Submitta	l and Approval - 4.09 (71)	21 0	9-Feb-17 A	01-Mar-17 A	■ GMOU Submittal and Approval - 4.09	(71)	1									
	rage Review - 4.09 (71)		7-May-17 A	21-May-17 A	1 : : : : : : : : : : :	: :										
	nts Sent to Procurement - 4.09 (71)		2-May-17 A	.,	I Internal Bid Package Review - 4	1 1										
	SBD Goals and Request to Advertise - 4.09 (71)		2-May-17 A	31-May-17 A	◆ Design Documents Sent to Pro	: :										- 1
	ckage - 4.09 (71)		1-Jun-17 A	O. May-17 A	Submit/Approve SBD Goals an	1 1	vertise - 4.0	09 (71)								
				25 1.147 4	◆ Advertise Bid Package - 4.09 (	i i	1									
CT37200 Bid Solicitation F	Period - 4.09 (71)	55 0	1-Jun-17 A	25-Jul-17 A	Bid Soliditation Period - 4.0	2 (74)	- T		- i	. i		- 1	- 1	1 1		- 1

WASD Consent Dec	cree Schedule - June 2019 Update		Stand	lard Layout w E	Baseline (By Phase)	13-Jul-19 15:03 - Page No. 56 of 76
Activity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018	2019 2020 2021 2022 2023 2024 3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
CT37210	Bids Due - 4.09 (71)	0	26-Jul-17 A		◆ Bids Due - 4.09 (71)	3 44 41 42 43 44 41 42 43 44 41 42 43 44 41 42 43 44 41 42 43 44 41 42
CT37220	Bid Review Period - 4.09 (71)	97	26-Jul-17 A	15-Dec-17 A	Bid Review Pe	iod - 4.09 (71)
CT37230	Award Recommendation - 4.09 (71)	0		15-Dec-17 A	◆ Award Recom	
CT14071	Procurement - 4.09 (71)	192		23-Jan-18 A		Produrement - 4.09 (7,1)
CT37240	Final Approvals -4.09 (71)	30		23-Jan-18 A	Final Appro	als -4.09 (71) 30-Aug-19, Construction
Construction CT37250	Contractor Notice to Proceed (NTD) 4.00 (74)	310		30-Aug-19		V Johnson, Consuccion
CT14081	Contractor Notice to Proceed (NTP) - 4.09 (71)  Construction - 4.09 (71)	210		24-Apr-19 A	-	◆ Contractor Notice to Proceed (NTP) 4.09 (71)
CT14091	Substantial Completion (Non-Consent Decree) - 4.09 (71)	0	· ·	24-Apr-19 A	1 1 1 1 1 1 1 1 1 1 1	Construction - 4.09 (71)
CT40720	Project Closeout - 4.09 (71)	90		30-Aug-19*		◆ Substantial Completion (Non-Consent Decree) - 4.09 (71)
Project Administration		1332		30-Aug-19	<del></del>	Project Closéaut - 4.09. (71) 30-Aug-19, Project Administration
CT38140	WASD Project Administration - 4.09 (71)	1332	02-Feb-15 A	30-Aug-19		WASD Project Administration - 4.09 (71)
4.09 (72) Replace 915	52 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	▼ 18 Jul-16 A, 4.09 (72) Replace 9152 LF of 8", 12	WASD Project Administration -4.09 (71) and 16 "ACP FM from PS#0891 to SW 108th St -127th Ave88th St
Engineering De sign		0	18-Jul-16 A	18-Jul-16 A	▼ 18-Jul-16 A, Engineering Design	
CT14161	Project Transferred to CIP - 4.09 (72)	0		18-Jul-16 A	<u> </u>	Project Transferred to CIP - 4.09 (72)
	350 LF of 10", 8" and 6" ACP FM from PS#0728, PS#0709, PS#0738, PS#0735,PS#0730	1892		02-Nov-19		02-Nov-19, 4.09 (73) Replace 14,350 LF of 10", 8" and 6" ACP FM from PS#0728, PS#0709, PS#0738, PS#073
Pre-Design		216	-	02-Apr-15 A	-De sign	
CT20010	Pre-Design - 4.09 (73)	217		02-Apr-15 A	9 (73) 2-Nov-15 A, Engineering Design	
Engineering De sign	200/ Pasing Culturities 4.00 /72)	223		12-Nov-15 A	-Novi 3 A, Engineering Design	
CT37510	30% Design Submittal - 4.09 (73) 60% Design Submittal - 4.09 (73)	126	· ·	06-Aug-15 A	sign Submittal - 4.09 (73)	
CT37520 CT14111	60% Design Submittal - 4.09 (73)  Engineering Design - 4.09 (73)	56 224	-	01-Oct-15 A 12-Nov-15 A	Design Submittal - 4.09 (73)	
CT37530	90% Design Submittal - 4.09 (73)	42	·	12-Nov-15 A 12-Nov-15 A	ngineering Design - 4.09 (73)	
Permitting		245		19-Aug-16 A	0% Design Submittal - 4,09 (73) 19-Aug-16 A, Permitting	
CT50510	Miami Dade Public Works Permit - 4.09 (73)	74		29-Feb-16 A		
CT50500	RER (DERM) / FDEP Permit - 4.09 (73)	83	-	09-Mar-16 A	Miami Dade Public Works Permit - 4,09 (73)  RER (DERM) / FDEP Permit - 4,09 (73)	
CT50520	South Florida Water Management District (SFWMD) Permit - 4.09 (73)	79	04-Jan-16 A	22-Mar-16 A	South Florida Water Management District (SFWMD) Per	31.400(73)
CT14121	Permitting - 4.09 (73)	246	18-Dec-15 A	19-Aug-16 A	South Folda Water Management District (St WMD) Fell	Permitting - 4.09 (73)
CT50870	Tree Permit - 4.09 (73)	39	12-Jul-16 A	19-Aug-16 A	Tree Permit +4.09 (73).	
Procurement		503	13-Jan-17 A	02-Mar-18 A	▼ 02-Mar-1	3 A, Proqurement
CT80260	Internal Bid Package Review - 4.09 (73)	5	13-Jan-17 A	17-Jan-17 A	I Internal Bid Package Review - 4.09 (	73)
CT80370	GMOU submittal and approval - 4.09 (73)	21		12-Mar-17 A	☐ GMQU submittal and approval - 4	.09 (73)
CT37260	Design Documents Sent to Procurement - 4.09 (73)	0			◆ Design Documents Sent to Pro	curement - 4.09 (73)
CT37270	Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	16	·	03-May-17 A	■ Submit/Approve SBD Goals a	nd Request to Advertise - 4:09 (73)
CT80530	Resolution of Easement Conflicts - 4.09 (73)	180	,	01-Nov-17 A	Resolution of Eas	ement Conflicts - 4.0 <mark>9</mark> (73)
CT80540	Design Documents Re-Sent to Procurement - 4.09 (73)	0		20 Nov 47 A	1	s Re-Sent to Procurement - 4.09 (73)
CT80550 CT37280	Re-Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)  Advertise Bid Package - 4.09 (73)	45		28-Nov-17 A		ove SBD Goals and Request to Advertise - 4.09 (73)
CT37290	Bid Solicitation Period - 4.09 (73)	45		03-Jan-18 A	◆ Advertise Bid Pa	
CT37300	Bids Due - 4.09 (73)	0	-	00 0011 1071	1 1 1 1 1 1 1 1 1 1 1 1	n Period 4.09 (73)
CT37310	Bid Review Period - 4.09 (73)	30		17-Jan-18 A	♦ Bids Due - 4.	
CT37320	Award Recommendation - 4.09 (73)	0		17-Jan-18 A	1 1 1 1 1 1 1 1 1 1 1 1	Period - 4.09 (73)
CT14131	Procurement - 4.9 (73)	288	18-Apr-17 A	02-Mar-18 A	→ Award Reco	mmendation - 4.09 (73)  Producement - 4.9 (73)
CT37330	Final Approvals -4.09 (73)	90	18-Jan-18 A	02-Mar-18 A	Final Apr	rovals - 4:09.(73)
Construction		460	23-Jul-18 A	02-Nov-19		02-Nov-19, Construction
CT37340	Contractor Notice to Proceed (NTP) - 4.09 (73)	0	23-Jul-18 A		]	Contractor Notice to Proceed (NTP) - 4.09 (73)
CT14151	Construction - 4.09 (73)	370	23-Jul-18 A	04-Aug-19		Construction - 4.09 (73)
CT14181	Substantial Completion (Non-Consent Decree) - 4.09 (73)	0		04-Aug-19*		◆ Substantial Completion (Non-Consent Decree) - 4.09 (73)
CT40740	Project Closeout - 4.09 (73)	90		02-Nov-19*		Project Closeaut - 4.09 (73) 02-Nov-19, Project Administration
Project Administration		1494		02-Nov-19		U2-NoV-19, Project Administration
CT38130	WASD Project Administration - 4.09 (73)	1494		02-Nov-19		WASD Project Administration - 4.09 (73)
	rport 48" PCCP Force Main Replacement	3434		22-Dec-23	05-May-16 A, Engineering Design	
Engineering Design CT71530	EPA Start Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**	577		05-May-16 A		
CT50890	EPA Start Date for Engineering Design - Replace 48" PCOP FM @ Opa-Locka Airport**	0	00-00:14 A	23-Apr-15 A	ng Design - Replace 48" PCCP FM @ Opa-Locka Airport**	
CT10100	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport	506	17-Dec-14 A	05-May-16 A	e Date for Engineering Design - Replace 48" PCCP FM @ Opa-L Engineering Design - Replace 48" PCCP FM @ Opa-L	
Permitting	g sough hopeas to too. The gopa sound hipon	725		23-Jul-16 A	Engineering Design: Replace 48" PCCP FM @ Opa-L	Juga Milyuli
CT71540	EPA Start Date for Permitting - Replace 48" PCCP FM @ OpaLocka Airport**	0		25 001 1071		
CT10180	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	321		14-Jun-16 A	place 48" PCCP FM @ Opa-Locka Airport**  Permitting - Replace 48" PCCP FM @ Opa-Locka	Airport
CT50900	EPA Compliance Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	0		23-Jul-16 A		
Procurement		239	04-May-16 A	29-Dec-16 A	◆ EPA Compliance Date for Permitting - Replace 4/ 29-Dec-16 A, Procurement	LI, NOLL, IVI S, NIPATUVA , DUPUIL
CT71550	EPA Start Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport**	0			◆ EPA Start Date for Procurement - Replace 48" Po	YCP FM @ Onal ocka Aimont**
CT10260	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	230	04-May-16 A	19-Dec-16 A	Procurement - Replace 48" PCCP FM	
CT50910	EPA Compliance Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	0		29-Dec-16 A	◆ EPA Compliance Date for Procuremen	t - Replace 48" PCCP FM. @ Opa-Locká Airpoit.
Construction		596	12-Oct-16 A	11-May-18 A	11-10	ay-18 A, Construction
CT71560	EPA Start Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport	0			◆ EPA Start Date for Construction - Replace	18 <sup>†</sup> PCCP FM @ Opa-Locka Airport
CT50920	EPA Compliance Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport	0		28-Jan-18 A	1 1 1 1 1 1 1 1 1 1 1 1	arice Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport
CT10330	Construction - Replace 48" PCCP FM @ Opa-Locka Airport	420		11-May-18 A		Construction - Replace 48", PCCP FM @ Opa-Locka Airport
CT10400	Substantial Completion (CD Compliance Date 10/25/18) - Replace 48" PCCP FM @ Opa-Locka Airport	0		11-May-18 A	◆ Sub	tahtial Completion (CD Compliance Date 10/25/18). Replace 48" PCCP FM @ Opa-Locka Airport.  29 Apr-19 A, 4:10 (1) Rehab Existing 48" FM Along North Side of Biscayne Canal from WW 37th Ave. to NW 32nd Ave.
	ng 48" FM Along North Side of Biscayne Canal from NW 37th Ave. to NW 32nd Ave.	907		29-Apr-19 A	13-Dec-15 A, Pre-Design	
Pre-Design CT37600	Negotiate Scope and Fee for Remaining Design - Rehab Existing 48" FM East of Opa Locka Airport	118	-	13-Dec-15 A 13-Dec-15 A		
	1-ogosiaso ocopo ana i oci for normanning presigni - norman Existing 40 i TNI Edist Of Opd Lound Milpott		-		Negotiate Scope and Fee for Remaining Design - Rehab Existin 05-May:16 A. Engineering Design	g 48". FMt. East of Opa Locka Airport
Engineering Design	200g. Total Enough of Apa Eoola Tipol	143	_	05-May-16 A	Negatiate Scope and Fee for Remaining Design - Rehab Existin 05-May-16 A, Engineering Design	1 45" FM Last Of Op <b>a</b> Locka Airport

WASD Consent Dec	ree Schedule - June 2019 Update		Stand	dard Layout w I	Baseline (By Phase)								13-Jul-1	9 15:03	- Page N	No. 57 of 76
Activity ID	Activity Name	Original Duration	Start	Finish	2016	2017 2018			2020		2021		2022		2023	2024
CT37630	Draft Performance Specifications - Rehab Existing 48" FM East of Opa Locka Airport	124	14-Dec-15 A	15-Apr-16 A		Q2 Q3 Q4 Q1 Q2 Q3			2 Q3 Q	4 Q1	Q2   Q3   C	04   Q1   C	02   Q3   C	.4 Q1 C	2 Q3	Q4   Q1   C
CT37640	Performance Specifications Review - Rehab Existing 48" FM East of Opa Locka Airport	7	16-Apr-16 A	22-Apr-16 A		cifications - Rehab Existing 48" FM E tions Review - Rehab Existing 48" FI	1 1	1 1 1								
CT37590	Engineering Design - Rehab Existing 48" FM East of Opa Locka Airport	144	· ·	05-May-16 A		Rehab Existing 48" FM East of Opa	1 1	Locka Albon								
CT37650	Final Performance Specifications Submittal - Rehab Existing 48" FM East of Opa Locka Airport	13	23-Apr-16 A	05-May-16 A	Final Performance Spe	ecifications Submittal - Rehab Existing	ng 48" FM Fas	st of Opa Locka Airport								
Permitting		1	04-May-16 A	05-May-16 A	▼ 05-May-16 A, Permittir	ng										
CT37660	Permitting - Rehab Existing 48" FM East of Opa Locka Airport	2	,	05-May-16 A	J. Permitting - Rehab Exi	isting 48" FM East of Opa Locka Air -16,A, Procurement	oort									
Procurement		227	,	19-Dec-16 A	19-Dec	-16 A, Procurement										
CT37670	Design Documents Sent to Procurement - Rehab Existing 48" FM East of Opa Locka Airport	0	oo may rort	07.1440.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ent to Procurement - Rehab Existing	1 1									
CT37680 CT37700	Submit/Approve SBD Goals and Request to Advertise - Rehab Existing 48"FM East of Opa Locka Airport  Advertise Bid Package - Rehab Existing 48" FM East of Opa Locka Airport	22	06-May-16 A 16-Sep-16 A	27-May-16 A		Goals and Request to Advertise - F	1 1	1 1 1	ka Airport							
CT37710	Bid Solicitation Period - Rehab Existing 48" FM East of Opa Locka Airport	34		19-Oct-16 A	1 : : : : :	Package - Rehab Existing 48" FM E		1 1 1								
CT37720	Bids Due - Rehab Existing 48" FM East of Opa Locka Airport	0	20-Oct-16 A			tion Period - Rehab Existing 48" FM	1 1	Locka Airport								
CT37730	Bid Review Period - Rehab Existing 48" FM East of Opa Locka Airport	32	20-Oct-16 A	20-Nov-16 A		Rehab Existing 48" FM East of Opa ew Period - Rehab Existing 48" FM E	1 1	ocka Aimort								
CT37740	Award Recommendation - Rehab Existing 48" FM East of Opa Locka Airport	0		21-Nov-16 A		ecommendation - Rehab Existing 4	1 1									
CT37690	Procurement - Rehab Existing 48" FM East of Opa Locka Airport	228	06-May-16 A	19-Dec-16 A		ement - Rehab Existing 48" FM Eas		1 1 1								
CT37750	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab Existing 48" FM East of Opa Locka Airport	28		19-Dec-16 A	Final A	pprovals (BCC, Mayor, Risk Mgmt.).	Rehab Existir	ng 48" FM East of Opa Lo	cka Airport							
Construction	0 N.C D	415		29-Apr-19 A			<b>_</b>	29 Apr-19 A, Constructi	on							
CT37760 CT37770	Contractor Notice to Proceed (NTP) - Rehab Existing 48" FM East of Opa Locka Airport  Construction - Rehab Existing 48" FM East of Opa Locka Airport	311	21-Dec-16 A	27-Oct-17 A	◆ Contrac	ctor Notice to Proceed (NTP) - Reha		1 1 1	1 1							
CT37770	Substantial Completion (CD Compliance Date 10/25/18) - Rehab Existing 48" FM East of Opa Locka Airport	0	21-Dec-16 A	27-Oct-17 A 27-Oct-17 A	-		1 - 1	M East of Opa Locka Air	i i							
CT40750	Project Closeout - Rehab Existing 48" FM East of Opa Locka Airport	90	28-Oct-17 A	29-Apr-19 A	-	<ul> <li>Substantial Completic</li> </ul>	on (CD Compli			1 1						
Project Administration	g	774		29-Apr-19 A				Project Closeout - Reha 29-Apr-19 A, Project Ad	ם באsting 48 ministration	: HM East	ot Opa Locka	. Airport				
CT35381	WASD Project Administration - Rehab Existing 48" FM East of Opa Locka Airport	774		29-Apr-19 A				WASD Project Administ	ration - Pehr	h Existina	48" FM Fact	of Ona Lock	a Aimort			
4.10 (2) Opa-Locka Ai	rport 48" PCCP Force Main Replacement (Sections 1 and 2)	1370	17-Dec-14 A	30-Aug-19				WASD Project Administ 30-Aug-19, 4.1	0 (2) Opa-Lo	cka Airport	48" PCCPFc	rœ Main Re	placement (	Sections 1 a	nd 2)	
Pre-Design		54	01-May-15 A	24-Jun-15 A	A, Pre-Design											
CT22150	Negotiate Scope and Fee for Remaining Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	55	•	24-Jun-15 A	Scope and Fee for Remaining De	esign - Replace 48" PCCP FM @ Or eing Design	a-Locka Airoo	rt.(Sections 1.&.2)								
Engineering De sign		505		05-May-16 A	U5-May-16 A, Enginee	ering Design										
CT22140	Basis of Design Report (BODR) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	184		18-Jun-15 A	sign Report (BODR) - Replace 48	8" PCCP FM @ Opa-Locka Airport (S	Sections 1 & 2	)								
CT22160 CT22170	30% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)  30% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	47 8	25-Jun-15 A 11-Aug-15 A	10-Aug-15 A 18-Aug-15 A	1 1 1 1 1 1	CP FM @ Opa-Locka Airport (Section	1 1									
CT22170	60% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	91	-	13-Nov-15 A		PFM @ Opa-Locka Airport (Sections	1 1									
CT22780	60% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	7	14-Nov-15 A	20-Nov-15 A		48" PCCP FM @ Opa-Locka Airport " PCCP FM @ Opa-Locka Airport (\$		2)								
CT22210	100% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	124	21-Nov-15 A	23-Mar-16 A		Replace 48" PCCP FM @ Opa-Lock	1 1	tions 1 & 2)								
CT37540	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	506	17-Dec-14 A	05-May-16 A		Replace 48" PCCP FM @ Opa-Lock tting										
Permitting		320	30-Jul-15 A	14-Jun-16 A	14-Jun-16 A, Permit	tting										
CT50240	RER (DERM) / FDEP Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	13		12-Apr-16 A	RER (DERM) / FDEP Pe	ermit - Replace 48" PCCP FM @ Op	a-Locka Airpor	t (Sections 1 & 2)								
CT37550	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	321	30-Jul-15 A	14-Jun-16 A	Permitting - Replace	e 48" PCCP FM @ Opa-Locka Airpo	rt (Sections 1	& 2 <mark>)</mark>								
CT50250	FAA Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	321 145	30-Jul-15 A 04-May-16 A	14-Jun-16 A 26-Sep-16 A	FAA Permit - Replace	ce 48" PCCP FM @ Opa-Locka Airo , Procurement	ort (Sections 1	.&. <mark>2</mark> )								
Procurement CT33101	Design Documents Sent to Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		20-Зер-10 А	-		1 1									
CT33111	Submit/Approve SBD Goals and Request to Advertise - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	24		27-May-16 A		ent to Procurement - Replace 48" PC OGdals and Request to Advertise - R	1 11		1 1	1.00						
CT33121	Advertise Bid Package - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	16-Jun-16 A			ge - Replace 48" PCCP FM @ Opa		1 1 1 1	port (Section	IS I & Z)						
CT33131	Bid Solicitation Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	53	16-Jun-16 A	07-Aug-16 A		Period - Replace 48" PCCP FM @ 0	1 1	1 1 1								
CT33141	Bids Due - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	08-Aug-16 A		1 1 1 1 1	ace 48" PCCP FM @ Opa-Locka Air	1 11									
CT33151	Bid Review Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	15	08-Aug-16 A	22-Aug-16 A	■ Bid Review Per	riod - Replace 48" PCCP FM @ Opa	-Locka Airport	(Sections 1 & 2)								
CT33161	Award Recommendation - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		22-Aug-16 A	◆ Award Recomm	mendation - Replace 48" PCCP FM	@ Opa-Locka	Airport (Sections 1 & 2)								
CT37580 CT33171	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)  Final Approvals (BCC, Mayor, Risk Momt.) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	146	,	26-Sep-16 A 26-Sep-16 A		t - Replace 48" PCCP FM @ Opa-Lo										
Construction	Filial Applovals (Boc., Iviayo), NSK Iviginit.) - Replace 46 Poor Fivi & Opa-Locka Alipoit (Sections 1 & 2)	35 705	-	30-Aug-19	Final Approva	als (BCC, Mayor, Risk Momt.) - Repl	ace 48.".PCCP	P.FM @ Opa-Locka Airbor 30-Aug-19, Cor	t (Sections 1 struction	& 2)						
CT33181	Contractor Notice to Proceed (NTP) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	12-Oct-16 A	- corrugiro			1 1			- 1						
CT37560	Construction - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	420	12-Oct-16 A	11-May-18 A	Contractor i	Notice to Proceed (NTP) - Replace 4		e 48" PCCP FM @ Opa-Li	- 1 1	- 1 - 1	8.21					
CT37570	Substantial Completion (CD Compliance Date 10/25/18) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		11-May-18 A			1 1	n (CD Compliance Date 1	1 1		( )	Opa-Locka	Airport (Secti	ons 1 & 2)		
CT40760	Project Closeout - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		12-May-18 A	30-Aug-19*			; ; ;	Project Closeou 30-Aug-19, Pro	i i		i i	1 1	i i	i i		
Project Administration			17-Dec-14 A	30-Aug-19				30-Aug-19, Pro	ject Administ	ration						
CT35371	WASD Project Administration - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)  MA Jong NW 150th St. from NW 57th St. to NW 54th St.	1175 805	17-Dec-14 A 07-Mar-16 A	30-Aug-19 04-Sep-18 A			04-Sep-18 A 4	WASD Project A 4.10 (3) Replace 16" FM A	Administratio Alona NW 15	n - Replac 9th St. fm	e 48" PCCP F m NW 57th S	M @ Opa-Lot. t. to NW 54	ocka Airoort ( th St.	Sections 1 /	د (2 یا	
4.10 (3) Replace 16" F	M Along NW 159th St. from NW 57th St. to NW 54th St.	114		29-Jun-16 A	▼ 29-Jun-16,A, Pre-D				. 3							
CT50000	Pre- Design - 4.10 (3)	115		29-Jun-16 A												
Engineering Design		132		20-Sep-16 A	Pre- Design - 4.10 20-Sep-16 A,	Enigineering Design										
CT50010	Engineering Design - 4.10 (3)	133	11-May-16 A	20-Sep-16 A	Engineering I	Design - 4:10 (3)										
Permitting		104	10-Sep-16 A	23-Dec-16 A	Engineering L 23-Dec	-16 A, Permitting								1		
CT50260	FDOT Utility Permit - 4.10 (3)	42	· ·	21-Oct-16 A	FDOT Utility	y Permit - 4.10 (3)										
CT50280	DERM Sewer Permit - 4.10 (3)		21-Sep-16 A	01-Dec-16 A	DERM S	Sewer Permit - 4.10 (3)										
CT50020 CT50270	Permitting - 4.10 (3)  City Of Miami Gardens Public Works Permit - 4.10 (3)	95		23-Dec-16 A 23-Dec-16 A	Permitt											
Procurement	Only On Whentill Galucins Fubility Vy Once Follitit * 4.10 (3)	94 231	•	23-Dec-16 A 17-Jul-17 A	City Of	Miami Gardens Public Works Perm 17-Jul-17 A, Procurement	it - 4.10 (3)	<mark> </mark>								
CT80070	Design Documents Sent to Procurement - 4.10 (3)	0		Tr-our TrA	-											
CT80150	Phase I Procurement (Emergency Project) - 4.10 (3)	6	30-Nov-16 A	05-Dec-16 A		Documents Sent to Procurement - 4 Procurement (Emergency Project) -	i i									
CT80080	Submit/Approve SBD Goals and Request to Advertise - 4.10 (3)	57	28-Nov-16 A	23-Jan-17 A	1 : : : : :	mit/Approve SBD Goals and Reques	11.1	- 410 (3)								
CT80090	Advertise Bid Package - 4.10 (3)	0	24-Jan-17 A			ertise Bid Package - 4.10 (3)	. to movertibe									
CT80100	Bid Solicitation Period - 4.10 (3)	35		27-Feb-17 A		d Solicitation Period - 4.10 (3)										
CT80110	Bids Due - 4.10 (3)  Bid Review Period - 4.10 (3)	0		C. 1	<b>♦</b> Bio	ds Due - 4.10 (3)										
CT80120			28-Feb-17 A	21-Mar-17 A		3id Review Period - 4.10 (3)			1 1	1 1	1 1		1 1	1 1		

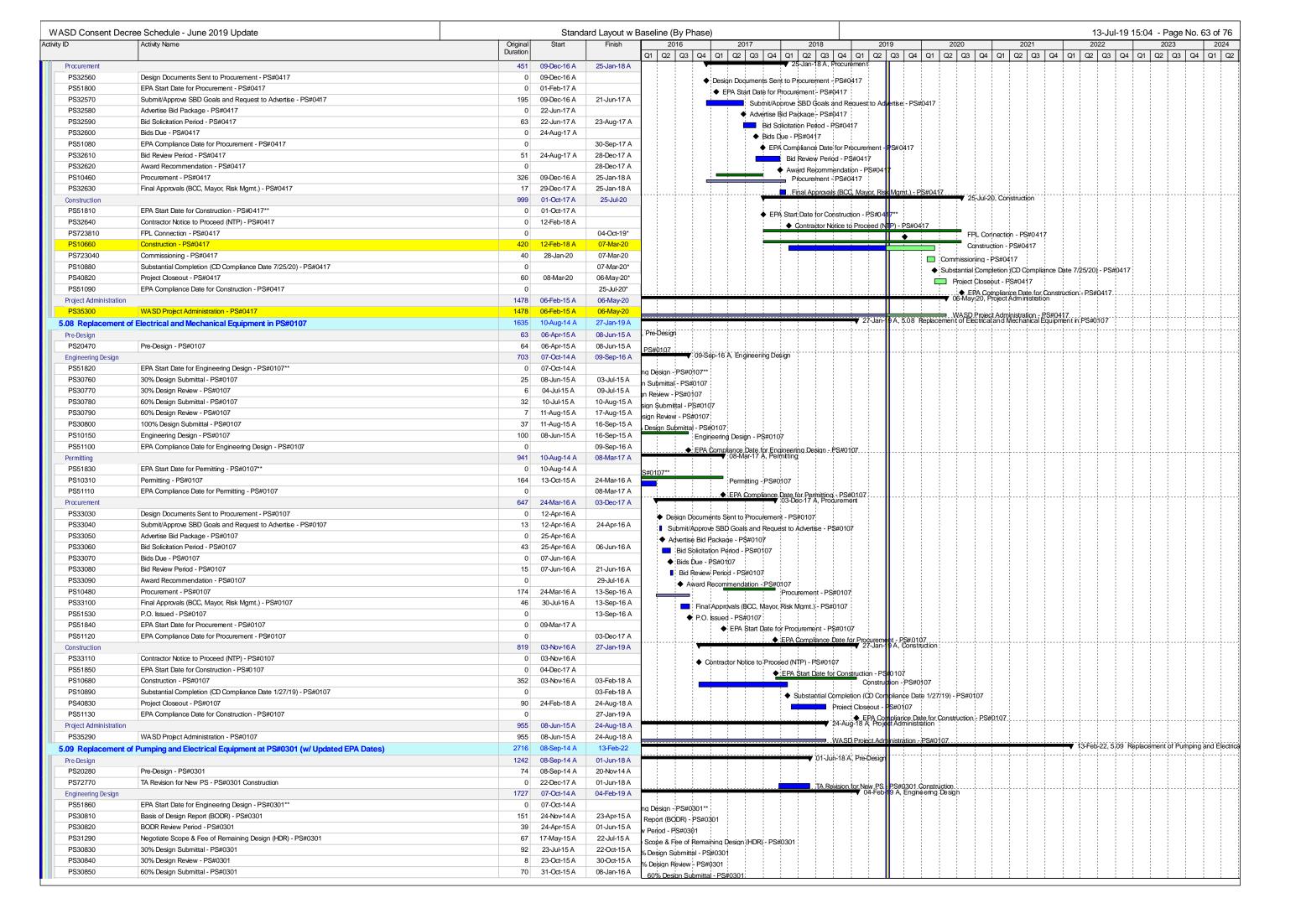




	cree Schedule - June 2019 Update				aseline (By Phase) 13-Jul-19 15:04 - Page No. 60 of 76
ivity ID	Activity Name	Original Duration	Start	Finish	2016   2017   2018   2019   2020   2021   2022   2023   2024   Q1   Q2   Q3   Q4   Q1   Q3   Q4   Q1   Q2   Q3   Q4   Q1   Q3   Q
PS723000	Commissioning - Upgrade PS#0692	30	01-May-20	30-May-20	
PS10860	Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692	0	•	30-May-20*	☐ Commission/ing - Upgrade PS#0692  ◆ Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692
PS50930	EPA Compliance Date for Construction - Upgrade PS#0692	0		17-Jun-20*	◆ EPA Compliance: Date for Construction - Upgrade PS#0692
PS40790	Project Closeout - Upgrade PS#0692	60	31-May-20	29-Jul-20*	Project Closeaut - Uograde PS#0692. 29 Jul 20, Project Administration
Project Administration		1647	26-Nov-14 A	29-Jul-20	29-Jul-20, Project Administration
PS35340	WASD Project Administration - Upgrade PS#0692	1647	26-Nov-14 A	29-Jul-20	WASD Project Administration - Upgrade PS#0692 11-Feb:22, 5.04 Replacement of Switchgear PS#0412
5.04 Replacement	of Switchgear PS#0414 and Generator Replacement	2685	07-Oct-14 A	11-Feb-22	
Engineering Design		540	07-Oct-14 A	30-Mar-16 A	30-Mar-16 A, Engheering Design
PS51660	EPA Start Date for Engineering Design - PS#0414**	0	07-Oct-14 A		ng Design - IPS#0/414**
PS50940	EPA Compliance Date for Engineering Design - PS#0414**	0	00 5 1 45 4	13-May-15 A	ce Date for Engineering Design - P\$#0414**
PS10100	Engineering Design - PS#0414	416		30-Mar-16 A	Engineering Design - PS#04/14  15-Jul-17:A, Permitting
Permitting PS51670	EDA Clost Data for Damitting DC#0444tt	793	14-May-15 A	15-Jul-17 A	Tooler Ind., remining
PS10250	EPA Start Date for Permitting - PS#0414**  Permitting - PS#0414	387	14-May-15 A 25-May-16 A	15-Jun-17 A	e for Permitting - PS#0414**
PS50950	EPA Compliance Date for Permitting - PS#0414	0	25-Way-16 A	15-Jul-17 A	Permitting - PS#0414
Procurement	ELA COmpilance Date for Fermitting -1 0#0414	836	08-Jun-15 A	20-Sep-17 A	PA Compliance Date for Permitting - PS#0414  20 Sep-17:A Procurement
PS51680	EPA Start Date for Procurement - PS#0414**	0	08-Jun-15 A	20 0cp 11 //	
PS50960	EPA Compliance Date for Procurement - PS#0414**	0	00 0011 1071	15-Aug-17 A	ate for Procurement - PS#0414**
PS10420	Procurement - PS#0414	310	15-Nov-16 A	20-Sep-17 A	
Construction		683	16-Aug-17 A	15-Jun-19 A	15-Jún-19 Å, Construction
PS51690	EPA Start Date for Construction - PS#0414**	0			♦ EPA Start Date for Construction - PS#0414
PS10610	Construction - PS#0414	301		11-Jun-19 A	© EPA Start Date for Construction - PS#0414  Construction - PS#0414
PS50970	EPA Compliance Date for Construction - PS#0414	0	·	15-Jun-19 A	
Project Administration		1316	09-Feb-15 A	10-Aug-19	◆ EPA Compliance Date for Construction - PS#0414.     10-Aug-19, Project Administration
PS35330	WASD Project Administration - PS#0414	1316	09-Feb-15 A	10-Aug-19	WASD Project Administration - PS#0414
5.04 (1) Replacement	nt of Switchgear PS#0414	1787	17-Oct-14 A	10-Aug-19	WASD Project Administration - PS#0414 10-Aug-19, 5,04 (1) Replacement of Switchgear PS#0414
Pre-Design		112	17-Oct-14 A	06-Feb-15 A	sgn
PS20240	Pre-Design - PS#0414	113	17-Oct-14 A	06-Feb-15 A	4
Engineering Design		415	09-Feb-15 A	30-Mar-16 A	30-Mar-16 A, Engheering Design
PS20001	Basis of Design Report (BODR) - PS#0414	114	09-Feb-15 A	02-Jun-15 A	gn Report (BODR) - PS#0414
PS20011	BODR Review Period - PS#0414	34	03-Jun-15 A	06-Jul-15 A	iew Period - PS#0414
PS31250	Negotiate Scope & Fee of Remaining Design - PS#0414	153	08-Jul-15 A	07-Dec-15 A	Negotiate Scope & Fee of Remaining Design - PS#0414
PS20021	30% Design Submittal - PS#0414	74	29-Sep-15 A	11-Dec-15 A	30% Design Submittal - PS#0414
PS20031	30% Design Review - PS#0414	12		23-Dec-15 A	30% Design Review - PS#0414
PS20041	60% Design Submittal - PS#0414	47	24-Dec-15 A	08-Feb-16 A	60% Design Submittal - PS#0414
PS20051	60% Design Review - PS#0414	22	08-Feb-16 A	29-Feb-16 A	■ 60% Design Review - P\$#0414
PS723120	Engineering Design - PS#0414	0	09-Feb-15 A	30-Mar-16 A	Engineering Design - PS#0414
PS20061	100% Design Submittal - PS#0414	45		30-Mar-16 A	100% Design Submittal - PS#0414 15 Jun-17 A, Permitting
Permitting	DEDM Denvis Octobristal DOWNAM	386	25-May-16 A	15-Jun-17 A	V Source   V Source
PS50370	DERM Permit Submittal - PS#0414  Permitting - PS#0414	0		05 M 40 A	◆ DERM Permit Submittal - PS#0414
PS723130 PS50390	Dem Permit Submittal Review - PS#0414	0		25-May-16 A 09-Jun-16 A	Permitting - PS#0414
PS50390 PS50430	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0414	14	25-May-16 A 10-Jun-16 A	23-Jun-16 A	■ Derm Permit Submittal Review - PS#0414:
PS50380	Municipality Bldg. Dept. Submittal - PS#0414	0		23-301F10 A	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0414
PS50410	Municipality Bldg. Dept. Submittal Review - PS#0414	31	30-Sep-16 A	30-Oct-16 A	Municipality Bldg. Dept. Submittal - PS#0414
PS50450	DERM Permit Approval - PS#0414	166	· · · · · · · · · · · · · · · · · · ·	12-Dec-16 A	Municipality Bldg. Dept. Submittal Review - PS#0414
PS50440	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0414	140		18-Apr-17 A	DERM Permit Approval - PS#0414
PS50460	Municipality Bldg. Dept. Submittal Approval - PS#0414	58	19-Apr-17 A	15-Jun-17 A	A/E Prepares/Submits Responses to Municipality Bitq. Dept. Submittal - PS#0414
Procurement		310	· · · · · · · · · · · · · · · · · · ·	20-Sep-17 A	. Municipality Bldg, Dept, Submittal Approvel - PS#0414/.  ▼ 20-Sep-17-A, Procurement
PS32290	Design Documents Sent to Procurement - PS#0414	0	15-Nov-16 A		A Basina Dawaranta Sant to December 1 BS-4044
PS723140	Procurement - PS#0414	0		15-Nov-16 A	◆ Design: Documents: Sent to Procurement - PS#0414     Procurement - PS#0414
PS32300	Submit/Approve SBD Goals and Request to Advertise - PS#0414	127	15-Nov-16 A	21-Mar-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0414
PS32310	Advertise Bid Package - PS#0414	0	22-Mar-17 A		Subilitivippioue SIDI Guais and Requestito Advertise 1 F3#0414     Advertise Bid Package - PS#0414
PS32320	Bid Solicitation Period - PS#0414	36	22-Mar-17 A	26-Apr-17 A	■ Bid Soliditation Period - PS#0414
PS32330	Bids Due - PS#0414	0	27-Apr-17 A		♦ Bids Due - PS#0414
PS32340	Bid Review Period - PS#0414	84	27-Apr-17 A	19-Jul-17 A	Bid Review Period - PS#0414
PS32350	Award Recommendation - PS#0414	0		19-Jul-17 A	◆ Award Recommendation - PS#0414
PS32360	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0414	63		20-Sep-17 A	Final Approvals (BCC, Mayor, Risk Mamt.) - PS#0414 0 10-Aug-19, Construction
Construction			21-Sep-17 A	10-Aug-19	10-Aug-19, Construction
PS32370	Contractor Notice to Proceed (NTP) - PS#0414		21-Sep-17 A		◆ Contractor Notice to Proceed (NTP) - PS#0414
PS723790	FPL Connection - PS#0414	0		12-Apr-19 A	FP_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	40 hm 40 h	11-Jun-19 A	◆ Substantial Completion (CD Compliance Date 6/15/19) - PS#0414
PS40800	Project Closeout - PS#0414		12-Jun-19 A	10-Aug-19*	Project Closeout - PS#0414. ▼ 11-Feb;22, 5,04 (2) Generator Replacement
5.04 (2) Generator Re	epiacement	1200		11-Feb-22	30-May-19 A, Pre-Design
Pre-Design	Pro Docian - PS#0/1/4 Congretor Poplessment	90		30-May-19 A	
PS723160	Pre-Design - PS#0414 Generator Replacement	90	15-Aug-18 A 31-May-19 A	30-May-19 A 12-Feb-20	Pre-Design ; PS#0414, Generator Replacement.  12-Feb-20, Engineering Design
Engineering Design PS723200	30% Design Submittal - PS#0414 Generator Replacement		<u> </u>	12-Feb-20 31-Oct-19	
PS723200 PS723210	30% Design Submittal - PS#0414 Generator Replacement	14	31-May-19 A 01-Nov-19	14-Nov-19	30% Design Submittal - P\$#0414 Generator;Replacement
	00 /0 DOGING I NO WOW - I OMOTIT OCHORAU INCPRACTION	14	O I TNOVE IS	14-1404-19	□ 30% Design Review - PS#0414 Generator Replacement
PS723210 PS723250	100% Design Submittal - PS#0414 Generator Replacement	60	15-Nov-19	13-Jan-20	100% Design Submittal - PS#0414 Generator Replacement

	cree Schedule - June 2019 Update				Baseline (By Phase) 13-Jul-19 15:04 - Page No. 61 of 76
ivity ID	Activity Name	Original Duration	Start	Finish	2016
PS723490	100% Design Review/Permit Ready Submittal - PS#0414 Generator Replacement	30	14-Jan-20	12-Feb-20	<del>1                                    </del>
Permitting	,	240	13-Feb-20	09-Oct-20	100% Design Review/Permit Ready Submittal - PS#0414. Generator Replacement 09-Oct-20, Permitting
PS723270	Permitting - PS#0414 Generator Replacement	240	13-Feb-20	09-Oct-20	Permitting - PS#0414 Generator Replacement
Procurement		180	10-Oct-20	07-Apr-21	Petnitting - PS#0414;Genetator,Replacement 07-Apr-21, Procurement
PS723350	Design Documents Sent to Procurement - PS#0414 Generator Replacement	0	10-Oct-20		♦ Design Documents Sent to Procurement - PS#0414 Generator Replacement
PS723370	Submit/Approve SBD Goals and Request to Advertise - PS#0414 Generator Replacement	60	10-Oct-20	08-Dec-20	Submit/Approve SBD Goals and Request to Advertise - PS#0414 Generator Replace
PS723380	Advertise Bid Package - PS#0414 Generator Replacement	0	09-Dec-20		◆ Advertise Bid Package - PS#0414 Generator Replacement
PS723390	Bid Solicitation Period - PS#0414 Generator Replacement	60	09-Dec-20	06-Feb-21	Bid Solicitation Period - P\$#0414 Generator Replacement
PS723400	Bids Due - PS#0414 Generator Replacement	0	07-Feb-21	2011 21	◆ Bids Due - PS#0414 Generator Replacement
PS723410	Bid Review Period - PS#0414 Generator Replacement	30	07-Feb-21	08-Mar-21	☐ Bid Review Period - PS#0414 Generator Replacement
PS723420 PS723360	Award Recommendation - PS#0414 Generator Replacement  Procurement - PS#0414 Generator Replacement	180	10-Oct-20	08-Mar-21 07-Apr-21	◆ Award Recommendation - PS#0414 Generator Replacement
PS723430	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0414 Generator Replacement	30	09-Mar-21	07-Apr-21	Procurement - PS#0414 Generator Replacement
Construction	Titlal Approvais (BCC), Mayor, Non Nightt.) 1 0#0414 Conclusion replacement	310	08-Apr-21	11-Feb-22	☐ Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0414 Generator Replacemen
PS723440	Contractor Notice to Proceed (NTP) - PS#0414 Generator Replacement	0.0	08-Apr-21	1110022	<b>1</b>
PS723450	Construction - PS#0414 Generator Replacement	250	08-Apr-21	13-Dec-21	♦ Contractor Notice to Proceed (NTF) - PS#0414 Generator Replacement  Construction - PS#0414 Generator Replacement
PS723460	Commissioning - PS#0414 Generator Replacement	30	14-Nov-21	13-Dec-21	Commissioning - PS#0414 Generator Replacement
PS723470	Substantial Completion (Non-Consent Decree) - PS#0414 Generator Replacement	0		13-Dec-21	
PS723480	Project Closeout - PS#0414 Generator Replacement	60	14-Dec-21	11-Feb-22	
5.05 Replacement	of Switchgear and Rehabilitation of Wetwell PS#0415	1859	10-Aug-14 A	11-Sep-19	11-Sep-19, 5.05 Replacement of Switchgear and Rehabilitation of Wetwell PS#0414 Generator Replacement
Pre-Design		133	26-Sep-14 A	06-Feb-15 A	sgn
PS20250	Pre-Design - PS#0415	134	26-Sep-14 A	06-Feb-15 A	
Engineering Design		601	07-Oct-14 A	30-May-16 A	30-May-16 A, Engineering Design
PS51700	EPA Start Date for Engineering Design - PS#0415**	0	07-Oct-14 A		ng Design - PS#0415**
PS20002	Basis of Design Report (BODR) - PS#0415	127	09-Feb-15 A	15-Jun-15 A	sign Report (BODR) - PS#0415
PS20012	BODR Review Period - PS#0415	120	16-Jun-15 A	13-Oct-15 A	DR Review Period PS#0415
PS31260	Negotiate Scope & Fee of Remaining Design - PS#0415	134	27-Jul-15 A	07-Dec-15 A	Negotiate Scope & Fee of Remaining Design - PS#0415
PS20022	30% Design Submittal - PS#0415	76	14-Oct-15 A	28-Dec-15 A	30% Design Submittal- PS#0415
PS20032	30% Design Review - PS#0415	14	29-Dec-15 A 12-Jan-16 A	11-Jan-16 A	30% Design Review - PS#0415
PS20042 PS20052	60% Design Submittal - PS#0415  60% Design Review - PS#0415	46	27-Feb-16 A	26-Feb-16 A 11-Mar-16 A	60% Design Submittal - PS#0415
PS50980	EPA Compliance Date for Engineering Design - PS#0415**	14	27-Feb-16 A	24-Apr-16 A	■ 60% Design Review - PS#0415
PS10110	Engineering Design - PS#0415	477	09-Feb-15 A	30-May-16 A	◆ EPA Compliance Date for Engineering Design - PS#0415 **  Engineering Design - PS#0415
PS20062	100% Design Submittal - PS#0415	80	12-Mar-16 A	30-May-16 A	Engineering.Design - PS#0415
Permitting		1116		30-Aug-17 A	.100% Design Submittal - PS#0415.
PS51710	EPA Start Date for Permitting - PS#0415**	0	10-Aug-14 A		S#0415**
PS50250	DERM Permit Submittal - PS#0415	0	31-May-16 A		◆ DERM Permit Submittal: PS#0415
PS50270	Derm Permit Submittal Review - PS#0415	62	01-Jun-16 A	01-Aug-16 A	Dem Permit Şubmittal Review - PS#0415
PS50310	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0415	31	02-Aug-16 A	01-Sep-16 A	■ A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0415
PS50260	Municipality Bldg. Dept. Submittal - PS#0415	0	28-Sep-16 A		♦ Murlicipality Bldg. Dept. Submittal + PS#0415
PS50330	DERM Permit Approval - PS#0415	104	02-Sep-16 A	14-Dec-16 A	DERM Permit Approval - PS#0415
PS50290	Municipality Bldg. Dept. Submittal Review - PS#0415	186		01-Apr-17 A	Municipality Bldg. Dept. Submittal Review - PS#0415
PS50320	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0415	34		05-May-17 A	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - P\$#0415
PS10270	Pemitting - PS#0415	365	•	30-May-17 A	Pernitting -PS#0415
PS50340 PS50990	Municipality Bldg. Dept. Submittal Approval - PS#0415  EPA Compliance Date for Permitting - PS#0415	25	06-May-17 A	30-May-17 A 30-Aug-17 A	■ Municipality Bldg. Dept. Submittal Approvat - PS#0415
Procurement	EFA Compliance Date for Fermitting - F3#0413	348	17-Nov-16 A	15-Oct-17 A	PA Compliance Date for Permitting - PS#0415.  ▼ 15-Oct-17 A, Procurement
PS32380	Design Documents Sent to Procurement - PS#0415	0	17-Nov-16 A	13-0CF17 A	¶
PS51720	EPA Start Date for Procurement - PS#0415	0			◆ Design Documents Sent to Procurement - PS#0415
PS32390	Submit/Approve SBD Goals and Request to Advertise - PS#0415	197	17-Nov-16 A	01-Jun-17 A	◆ EPA Start Date for Procurement - PS#0415
PS32400	Advertise Bid Package - PS#0415	0	02-Jun-17 A		Submit/Approve SBD Goals and Request to Advertise - PS#0415  ◆ Advertise Bid Package - PS#0415
PS32410	Bid Solicitation Period - PS#0415	56		27-Jul-17 A	● Adventise Bio Package - PS#0415  Bid Solicitation Period - PS#0415
PS32420	Bids Due - PS#0415	0	28-Jul-17 A		♦ Bids Due - PS#0415
PS32430	Bid Review Period - PS#0415	54	28-Jul-17 A	19-Sep-17 A	■ Bid Review Period - PS#0415
PS32440	Award Recommendation - PS#0415	0		19-Sep-17 A	♦ Award Recommendation - PS#0415
PS10440	Procurement - PS#0415	328	17-Nov-16 A	10-Oct-17 A	Procurement - PS#0415
PS32450	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0415	21	20-Sep-17 A	10-Oct-17 A	☐ Final Approvals (BCC, Mayor, Risk Mgm.) - PS#0415
PS51000	EPA Compliance Date for Procurement - PS#0415	0		15-Oct-17 A	◆ EPA Compliance Date for Procurement PS#.0415.  The second seco
Construction		681	11-Oct-17 A	11-Sep-19	11-Sep-19, Construction
PS32460	Contractor Notice to Proceed (NTP) - PS#0415	0			♦ Contractor Notice to Proceed (NTP) - PS#0415
PS51730	EPA Start Date for Construction - PS#0415	0	16-Oct-17 A	04.1 ::::	◆ EPA Start Date for Construction - PS#0 + 15
PS723780	FPL Connection - PS#0415	0	11 Oot 47 A	24-Jun-19 A	FPL Connection - PS#0415
PS10640	Construction - PS#0415	421		12-Aug-19	Construction - PS#0415
PS723020 PS10870	Commissioning - PS#0415  Substantial Completion (CD Compliance Date 9/02/19) - PS#0415	30	14-Jul-19	12-Aug-19 12-Aug-19*	☐ Commissioning - PS#041/5
PS10870 PS51010	Substantial Completion (CD Compliance Date 9/02/19) - PS#0415  EPA Compliance Date for Construction - PS#0415	0		12-Aug-19* 02-Sep-19*	◆ Substantial Completion (CD Compliance Date 9/02/19) - PS#0415
PS51010 PS40000	Project Closeout - PS#0415	30	13-Aug-19	11-Sep-19*	◆ EPA Compliance Date for Construction - P\$#0415
Project Administration	·	1456		11-Sep-19	□ Project Closeout → PS#0415.  11-Sep-19, Project Administration
PS35320	WASD Project Administration - PS#0415	1456		11-Sep-19	<mark>-</mark>
	of Switchgear PS#0416	1800		13-Aug-19	WASD Project Administration - PS#0415.  ▼ 13-Aug-19, 5:06 Replacement of Switchgear PS#0416
		110		05-Feb-15 A	sign in the state of the state
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Pre-Design PS20260	Pre-Design - PS#0416	111	18-Oct-14 A	05-Feb-15 A	

	ecree Schedule - June 2019 Update	l Odininal			Baseline (By Phase) 13-Jul-19 15:04 - Page No
	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
PS51740	EPA Start Date for Engineering Design - PS#0416**	0	07-Oct-14 A		<del>1                                    </del>
PS51020	EPA Compliance Date for Engineering Design - PS#0416**	0		13-May-15 A	nq Desian -:PS#0416**
PS30600	Basis of Design Report (BODR) - PS#0416	117	06-Feb-15 A	02-Jun-15 A	nce Date for Engineering Design - P\$#0416**
°S30610	BODR Review Period - PS#0416	34	03-Jun-15 A	06-Jul-15 A	gn Rèport (BODR) - PS#0416
S31270	Negotiate Scope & Fee of Remaining Design - PS#0416	153	08-Jul-15 A	07-Dec-15 A	iew Period + PS#0416
				-	Negotiate Scope & Fee of Remaining Design - PS#0416
S30620	30% Design Submittal - PS#0416	77	29-Sep-15 A	14-Dec-15 A	30% Design Submittal -PS#0416
530630	30% Design Review - PS#0416	10	15-Dec-15 A	24-Dec-15 A	30% Design Review - PS#0416
530640	60% Design Submittal - PS#0416	46	25-Dec-15 A	08-Feb-16 A	60% Design Submittal - PS#0416
S30650	60% Design Review - PS#0416	21	09-Feb-16 A	29-Feb-16 A	■ 60% Design; Review - PS#0416
\$10080	Engineering Design - PS#0416	474	06-Feb-15 A	24-May-16 A	Engineering Design - PS#0416
S30660	100% Design Submittal - PS#0416	99	16-Feb-16 A	24-May-16 A	1009 Decine Submitted DC40446
mitting		748	14-May-15 A	31-May-17 A	100% Design Submittal 5PS#0416. 31-May-17 A, Permitting:
S51750	EPA Start Date for Permitting - PS#0416**	0	14-May-15 A	-	1. Ł. J. J. J. J. J. J. J. J. J. J. J. J. J.
550130	DERM Permit Submittal - PS#0416	0	· · · · · · · · · · · · · · · · · · ·		e for Permitting - PS#0416**
S50150	Dem Permit Submittal Review - PS#0416		25-May-16 A	16-Jun-16 A	◆ DERM Permit Submittal +PS#0416
					■ Derm Permit Submittal Review - PS#0416
S50190	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0416		17-Jun-16 A	01-Sep-16 A	A/E Prepares/Submits Responses to DERM Permit Submittal - PS# <mark>0</mark> 416
350120	Bldg. Dept. Permit Submittal - PS#0416	0	29-Sep-16 A		♦ Bldg. Depl. Permit Submittal - PS#0416
550160	Bldg. Dept. Permit Submittal Review - PS#0416	55	29-Sep-16 A	22-Nov-16 A	■ Bldg, Dept. Permit Submittal Review - PS#0416
S50210	DERM Permit Approval - PS#0416	104	02-Sep-16 A	14-Dec-16 A	DERM Permit Approval - PS#0416
550180	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416	144	23-Nov-16 A	15-Apr-17 A	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416
510230	Permitting - PS#0416	351	24-May-16 A	09-May-17 A	Permitting - PS#0416
350230	Bldg. Dept. Permit Approval - PS#0416	24	16-Apr-17 A	09-May-17 A	<b>1</b>
51030	EPA Compliance Date for Permitting - PS#0416	0	·	31-May-17 A	Bilda. Dept. Permit Approval - P\$#0416
curement	1	799	08-Jun-15 A	15-Aug-17 A	◆ EPA Compliance Date for Permitting - PS#0416.  15-Aug-17 A; Procurement
51760	EPA Start Date for Procurement - PS#0416**			15-Aug-17 A	
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332470	Design Documents Sent to Procurement - PS#0416		15-Nov-16 A		◆ Design Documents Sent to Procurement - PS#0416
332480	Submit/Approve SBD Goals and Request to Advertise - PS#0416	127	15-Nov-16 A	21-Mar-17 A	Submit/Approve \$BD Goals and Request to Advertise PS#0416
332490	Advertise Bid Package - PS#0416	0	22-Mar-17 A		♦ Advertise Bid Package - PS#0416
32500	Bid Solicitation Period - PS#0416	36	22-Mar-17 A	26-Apr-17 A	Bid Solicitation Period - PS#0416
32510	Bids Due - PS#0416	0	27-Apr-17 A		♦ Bids Dué - PS#0416
32520	Bid Review Period - PS#0416	41	27-Apr-17 A	06-Jun-17 A	■ Bid Review Period - PS#0416
332530	Award Recommendation - PS#0416	0		06-Jun-17 A	<b>1</b>
S10400	Procurement - PS#0416	246	15-Nov-16 A	18-Jul-17 A	◆ Award Recommendation - PS#0416 Procurement - PS#0416
S32540	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0416	42	07-Jun-17 A	18-Jul-17 A	<b>1</b>
S51040	EPA Compliance Date for Procurement - PS#0416			15-Aug-17 A	Final Approvals (BCC, Mayor, Risk Mgmi.) - P\$#0416
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nstruction		783	20-Jul-17 A	13-Aug-19	↓ John J. Constitution
S32550	Contractor Notice to Proceed (NTP) - PS#0416	0	20-Jul-17 A		◆ Contractor Notice to Proceed (NTP) - P\$#0418
S51770	EPA Start Date for Construction - PS#0416	0	16-Aug-17 A		◆ EPA Start Date for Construction - PS#0416
S723800	FPL Connection - PS#0416	0		13-Mar-19 A	FPL Connection → PS#0/416
S10590	Construction - PS#0416	300	20-Jul-17 A	11-Jun-19 A	Construction - PS#0416
S723030	Commissioning - PS#0416	59	18-Mar-19 A	11-Jun-19 A	Commissioning - PS#0416
S10780	Substantial Completion (CD Compliance Date 6/13/19) - PS#0416	0		11-Jun-19 A	<b>1</b>
S51050	EPA Compliance Date for Construction - PS#0416	0		13-Jun-19 A	
S40810	Project Closeout - PS#0416	63	12-Jun-19 A	13-Aug-19*	◆ EPA Compliance Date for Construction - PS#0416
ject Administration		1255	06-Feb-15 A	13-Aug-19	Project Qoseput - PS#0416  13-Aug-19, Project Administration
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S35310	WASD Project Administration - PS#0416		06-Feb-15 A	13-Aug-19	WASD Project Administration - PS#0416.  ▼ 25-Jul-20, 5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#
Replacement	t of Switchgear and Rehabilitation of Wetwell PS#0417	2177	10-Aug-14 A	25-Jul-20	▼ 23-out-20, 3-ot respectment of Switchigeal and Renabilitation to vertice if 3-in
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	ree Schedule - June 2019 Update	T =			aseline (By Phase)		13-Jul-19 15:04 - Page No. 64 of 76
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3	2019 3 Q4 Q1 Q2 Q3 Q4 Q1	2020 2021 2022 2023 2024 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
PS30860	60% Design Review - PS#0301	17	09-Jan-16 A	25-Jan-16 A	60% Design Review - PS#0301		
PS10070	Engineering Design - PS#0301	548	24-Nov-14 A	24-May-16 A	Engineering Design	gn - PS#0301	
PS30870	100% Design Submittal - PS#0301	120	26-Jan-16 A	24-May-16 A	100% Design Submittal - PS#0301		
PS51260	EPA Compliance Date for Engineering Design - PS#0301	0		31-Oct-17 A	◆ EPA Compliance D	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	d - PS#0301 Construction	
PS72610	100% Revised Design/Permit Ready Submittal - PS#0301 Construction	62	20-Mar-18 A	18-Dec-18 A			Ready Submittal - PS#0301 Construction
PS72890	Final Bid Set Submittal - PS#0301 Construction	30	25-Jan-19 A	04-Feb-19 A		■ Final Bid Set Submittal - P	
Permitting		1023	23-May-16 A	06-Aug-19		06-Aug-19, Pe	mitting
PS41620	DERM Permit - PS#0301	64	23-May-16 A	04-Nov-16 A	DERM Permit - PS#0301		
PS41660	Municipality Bldg. Dept. Permit Approval - PS#0301	8	29-Sep-16 A	07-Dec-16 A	Municipality Bldg. Dept. Permit Approval	I- PS#0301	
PS51870	EPA Start Date for Permitting - PS#0301 Construction	0	01-Nov-17 A			r Permitting - PS#0301 Construction	
PS51270	EPA Compliance Date for Permitting - PS#0301 Construction	0		29-Apr-18 A		Compliance Date for Permitting - PS#030	01 Construction
PS72780	Site Plan Approval for Revised Drawings - PS#0301 Construction	60	04-Jun-18 A	21-Jun-18 A		ite Plan Approval for Revised Drawings	
PS723770	Tree Permit - PS#0301 Construction	30	07-Nov-18 A	05-Mar-19 A		Tree Permit - PS#0301 C	
PS72620	DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction	60	10-Aug-18 A	09-Mar-19 A	_		oval for Revised Drawings - PS#0301 Construction
PS723760	Wetland Delineation Permit - PS#0301 Construction	30	07-Nov-18 A	09-Mar-19 A	_		mit - PS#0301 Construction
PS72800	City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction	60	28-Feb-19 A	30-Apr-19 A		- 1	g Permit Approval for Revised Drawings - PS#0301 Construction
PS10220	Permitting for Revised Drawings - PS#0301 Construction	117	10-Aug-18 A	06-Aug-19			Revised Drawings - PS#0301 Construction
PS72790	MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction	22	24-Jun-19 A	06-Aug-19		<del></del>	M_Env. Permit for Revised Drawings - PS#0301 Construction
Procurement		1068	08-Dec-16 A	07-Oct-19	V	07-Oct-19,	Procurement
PS32650	Design Documents Sent to Procurement - PS#0301	0	08-Dec-16 A		◆ Design Documents Sent to Procurement	nt - PS#0301	
PS32660	Submit/Approve SBD Goals and Request to Advertise - PS#0301	105	08-Dec-16 A	22-Mar-17 A	Submit/Approve SBD Goals and F		
PS32670	Advertise Bid Package - PS#0301	0					
PS32680	Bid Solicitation Period - PS#0301	35		26-Apr-17 A	◆ Advertise Bid Package: PS#0301		
PS32690	Bids Due - PS#0301	0		· ·	Bid Solicitation Period - PS#030	DU .	
PS32700	Bid Review Period - PS#0301	93	· · · · · · · · · · · · · · · · · · ·	28-Jul-17 A	◆ Bids Due - PS#0301	10204	
PS32710	Scope Change Letter sent to EPA - PS#0301	0		28-Jul-17 A	Bid Review Period - PS#(		
PS51880	EPA Start Date for Procurement - PS#0301 Construction	0	30-Apr-18 A	20 001 1171	◆ Scope Change Letter ser	i i i i i i	
PS51280	EPA Compliance Date for Procurement - PS#0301 Construction	0	007pi 107t	26-Oct-18 A	◆ EPA S	Start Date for Procure <mark>rn</mark> ent - PS#0301 C	
PS72830	Submit/Approve SBD Goals and Request to Advertise - PS#0301 Construction	38	12-Jan-19 A	21-Feb-19 A		◆ EPA Compliance Date for Procure	
PS72820	Design Documents Sent to Procurement - PS#0301 Construction	0		21-1 60-19 A			ls and Request to Advertise - PS#0301 Construction
	·						t to Procurement - PS#0301 Construction
PS32720	Advertise Bid Package - PS#0301 Construction	0	<u> </u>	10-Jul-19		◆ Advertise Bid Package	- PS#0301 Construction
PS72840	Bid Solicitation Period - PS#0301 Construction		04-Apr-19 A	10-301-19		Bid Solicitation F	Period - PS#0301 Construction
PS72850	Bids Due - PS#0301 Construction	0		00 Ave 40		Bids Due - PS#0	301 Construction
PS72860	Bid Review Period - PS#0301 Construction	29	11-Jul-19	08-Aug-19		🗀 Bid Review Pe	riod - PS#0301 Construction
PS72870	Award Recommendation - PS#0301 Construction	0		08-Aug-19	_		mendation - PS#0301 Construction
PS72600	Procurement of Revised Scope - PS#0301 Construction		28-Mar-19 A	07-Oct-19		Projcureme	ent of Revised Scope - PS#0301 Construction
PS72880	Final Approval - PS#0301 Construction	60		07-Oct-19		Final Apph	oval -PS#0301 Construction. 13-Feb-22, Construction
Construction		1202		13-Feb-22		Y	Io-Feb-22, Constituction
PS51890	EPA Start Date for Construction - PS#0301 Construction	0				<ul> <li>EPA Start Date for Construction -</li> </ul>	PS#0301 Construction
PS32730	Contractor Notice to Proceed (NTP) - PS#0301 Construction	0	08-Oct-19			◆ Contractor	Notice to Proceed (NTP) - PS#0301 Construction
PS72590	Construction of New PS - PS#0301 Construction	600	08-Oct-19	29-May-21			Construction of New PS - PS#0301 Construction
PS723050	Commissioning - PS#0301 Construction	60	31-Mar-21	29-May-21			CommissionIng - PS#0301 Construction
PS10790	Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction	0		29-May-21*			◆ Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0
PS723820	Demolition of Existing PS & Construction of New Generator Tank - PS#0301 Construction	200	30-May-21	15-Dec-21			Demolition of Existing PS & Construction of New Generator 1
PS51290	EPA Compliance Date for Construction - PS#0301 Construction	0		24-Jan-22*			◆ EPA Compliance Date for Construction - PS#0301 Constru
PS40840	Project Closeout - PS#0301 Construction	60	16-Dec-21	13-Feb-22*			Project Closeout - PS#0301 Construction 13-Feb-22, Project Administration
Project Administration		2223	24-Nov-14 A	13-Feb-22			→ 13-Feb-22, Project Administration
PS35280	WASD Project Administration - PS#0301 Construction	2223		13-Feb-22		61/40 A E 40 CC 1	
5.10 Upgrade of PS#	<del>‡</del> 0488	1332	07-Oct-14 A	09-May-18 A		lay-18 A, 5.10 Upgrade of PS#0488	
Pre-Design		152	01-Nov-14 A	02-Apr-15 A	-Design		
PS30980	Pre-Design - Upgrade PS#0488	153	01-Nov-14 A	02-Apr-15 A	rade PS#0488		
Engineering Design		298	07-Oct-14 A	01-Aug-15 A	rade PS#0488 5 A, Engineering Design		
PS51900	EPA Start Date for Engineering Design - Upgrade PS#0488**	0	07-Oct-14 A		ng Design - Upgrade PS#0488**		
PS51250	EPA Compliance Date for Engineering Design - Upgrade PS#0488**	0		13-May-15 A	nce Date for Engineering Design - Upgrade PS#0488**		
PS31320	30% Design Submittal - Upgrade PS#0488	67	03-Apr-15 A	08-Jun-15 A	Submittal - Upgrade PS#0488		
PS31330	30% Design Review -Upgrade PS#0488	14	09-Jun-15 A	22-Jun-15 A	n Review -Upgrade PS#0488		
PS30950	60% Design Submittal - Upgrade PS#0488	24	23-Jun-15 A	16-Jul-15 A	an Submittal - Upgrade PS#0488		
PS30960	60% Design Review -Upgrade PS#0488	7	17-Jul-15 A	23-Jul-15 A	gn Review Upgrade PS#0488		
PS30970	100% Design Submittal - Upgrade PS#0488	9	24-Jul-15 A	01-Aug-15 A	esign Submittal - Upgrade PS#0488		
PS10090	Engineering Design - Upgrade PS#0488	120	03-Apr-15 A	01-Aug-15 A	ring Design - Upgrade PS#0488		
Permitting		401	14-May-15 A	18-Jun-16 A	▼ 18-Jun-16 A, Permitting		
PS51910	EPA Start Date for Permitting - Upgrade PS#0488**	0	· ·		o for Domitting - libraredo DC#0499**		
PS10240	Permitting - Upgrade PS#0488	93		17-Nov-15 A	e for Permitting - Upgrade PS#0488** Permitting - Upgrade PS#0488		
PS51240	EPA Compliance Date for Permitting - Upgrade PS#0488	0		18-Jun-16 A		404.00	
Procurement		646	08-Jun-15 A	15-Mar-17 A	◆ EPA Compliance Date for Permitting - Upgrade PS#	+U406	
PS51920	EPA Start Date for Procurement - Upgrade PS#0488**	0 0	08-Jun-15 A				
PS32200	Design Documents Sent to Procurement - Upgrade PS#0488	0	18-Nov-15 A		ate for Procurement - Upgrade PS#0488**		
PS32210	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0488	61	18-Nov-15 A	17-Jan-16 A	esign Documents Sent to Procurement - Upgrade PS#0488		
PS32210 PS32220	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	18-Jan-16 A	17-Jair IUA	Submit/Approve SBD Goals and Request to Advertise - Upgrad	de PS#0488	
F-03ZZZU	Advertise Bid Package - Upgrade PS#0488  Bid Solicitation Period - Upgrade PS#0488			17 Fab 10 A	Advertise Bid Package - Upgrade PS#0488		
Degage	DEL SURTERIOR PRINCIPA E INCIPACE PSELVIXX	31	18-Jan-16 A	17-Feb-16 A	Did Colinitation David Library do DC#0400	in a real of the contract of t	
PS32230	**				■ Bid Solicitation Period - Upgrade PS#0488		
PS32230 PS32240 PS32250	Bids Due - Upgrade PS#0488  Bid Review Period - Upgrade PS#0488	0	18-Feb-16 A	03-Mar-16 A	Bids Due - Upgrade PS#0488		

	cree Schedule - June 2019 Update	1 200			Baseline (By Phase)							1				5:04 - Pag		
tivity ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4 Q1	2017	2018		019	202			2021	2022		2023		202
PS32260	Award Recommendation - Upgrade PS#0488	0		03-Mar-16 A	1 ! ! ! !			24 Q1 Q2	Q3 Q4	Q1 Q2	Q5 Q4	Qi Q	2 Q3 Q4	Q1   Q2   C	23   Q4	Q1   Q2   Q	13 Q4	Q1
PS10410	Procurement - Upgrade PS#0488	153	18-Nov-15 A	18-Apr-16 A	◆ Award Recommendati	Procurement - Up												
PS32270	Final Approvals - Upgrade PS#0488	46	04-Mar-16 A	18-Apr-16 A	Final Approvals - Up					1 1	į							
PS41690	P.O. Issued - Upgrade PS#0488	0		18-Apr-16 A	P.O. Issued - Upgra													
PS51230	EPA Compliance Date for Procurement - Upgrade PS#0488	0		15-Mar-17 A		◆ EPA Compliance	Date for Procurement	nt - Upgrade PS	S#0488									
Construction		758	03-May-16 A	09-May-18 A	<b>V</b>		09-May-18	8 A, Constructio	o <mark>n</mark>									
PS10595	Contractor Notice to Proceed (NTP) - Upgrade PS#0488	0	03-May-16 A		◆ Contractor Notice	to Proceed (NTP) - U	pgrade PS#0488				:							
PS10600	Construction - Upgrade PS#0488	220	03-May-16 A	08-Dec-16 A				ion - Upgrade P	<b>5</b> #0488	1 1	į							
PS10800	Substantial Completion (CD Compliance Date 5/09/18) - Upgrade PS#0488	0		08-Dec-16 A	◆ Sut	bstantial Completion	(CD Compliance Date	e 5/09/18) - Upg	grade PS#048	8								
PS51930	EPA Start Date for Construction - Upgrade PS#0488	0	16-Mar-17 A			◆ EPA Start Date for	r Construction - Upgra	rade PS#0488		1 1								
PS40850	Project Closeout - Upgrade PS#0488	305	09-Dec-16 A	26-Aug-17 A	_	Projec	t Closeout - Upgrade	PS#0488										
PS51220	EPA Compliance Date for Construction - Upgrade PS#0488	0		09-May-18 A			◆ EPA Comp g-17 A, Project Admin	pliance Date for	r Construction.	- Upgrade P	S#0488							
Project Administration		921	03-Apr-15 A	26-Aug-17 A		▼ 26-Au	g-17 A, Project Admin	nistration										
PS35270	WASD Project Administration - Upgrade PS#0488	921	03-Apr-15 A	26-Aug-17 A		WASE	Project Administratio	on - Upgrade Ps	\$#0488	10 5 11 16	etallation	of 49 inch I	M from Kondo	all Dr. to the Su	ction Sido o	f DS#0536		<u> </u>
	48 inch FM from Kendall Dr. to the Suction Side of PS#0536	1718	07-Oct-14 A	30-Aug-19	44700045 3 7000 700000				JO-Aug	j-19, Ş. II ki	isialialion (	JI 40 IIIÇII I		ali Di. lo lile Sui	ulon side o	1 1 3#0330		, <u> </u>
Pre-Design		136	31-Jul-15 A	14-Dec-15 A	14-Dec-15 A, Pre-Design					- 1 1	į						- 1 - 1	
PS20160	Negotiate Balance of Design Scope & Fee (HDR) - Install 60" FM from Kendal Dr. to PS#0536	137	31-Jul-15 A	14-Dec-15 A	Negotiate Balance of Design 15-Jul-16 A, E	n Scope & Fee (HDR	) Install.60" FM.from	.Kendal Dr. to I	P.\$#0536					.				ļļ.
Engineering Design	EDI OL LD L / E I I D I I I I I I I I I I I I I I I I	647	07-Oct-14 A	15-Jul-16 A	13-501-10-A, L	Litginee(ing Design												
PS51940	EPA Start Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0	07-Oct-14 A	40 M 45 A	ng Design - Install 60" FM fro		: : : :				į							
PS51210	EPA Compliance Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0	17 Doo 14 A	13-May-15 A	ice Date for Engineering De			S#0536**									-	
PS20170	Basis of Design Report (BODR) - Install 60" FM from Kendal Dr. to PS#0536	220	17-Dec-14 A	24-Jul-15 A	Design Report (BODR) - Insta		: : : :				:							. !
PS20210 PS31340	60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	133	16-Dec-15 A	26-Apr-16 A	60% Design Subm			1 1										
PS31340 PS10060	60% Design Review - Install 60" FM from Kendal Dr. to PS#0536  Engineering Design - Install 60" FM from Kendal Dr. to PS#0536	524	27-Apr-16 A 17-Dec-14 A	03-May-16 A 23-May-16 A	■ 60% Design Revie													
PS10060 PS20230	90% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	-	04-May-16 A	23-May-16 A 15-Jul-16 A		sign - Install 60" FM fro		1 1										
Permitting	20 % 20 agri Oubrinttai - iribtaii 00 - Fris HUIII NeTitual Di. 10 F 3#0330	687	14-May-15 A	31-Mar-17 A	90% Design	Submittal - Install 60" 31-Mar-17 A, Pe	FM from Kendal Dr. t rmitting	to_PS#0536	<del>-</del>									, <del> </del> -
PS51950	EPA Start Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536**	0	14-May-15 A	JI-Wai-17 A	-					- 1 1	į				1 1		- 1 1	
PS10210	Pemitting - Install 60" FM from Kendal Dr. to PS#0536	-	31-Aug-16 A	24-Feb-17 A	e for Permitting - Install 60" F		b PS#0536** all 60" FM from Kenda	al Dr. to PS#05	326									
PS51200	EPA Compliance Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536	0	017109 1071	31-Mar-17 A	- I I	•				. []								
Procurement	2.77 Compliance Sale 10.7 Comming Indian Co. 1 Thronton Land Shi to 1 Chicoco	816	08-Jun-15 A	31-Aug-17 A		◆ EPA Compliance 31-Au	Date for Permitting - g-17 A, Procurement	- Install 60" FM.	.from Kendal.D	Or. to P.S#05	36							, <del> </del> -
PS51960	EPA Start Date for Procurement - Install 60"FM from Kendal Dr. to PS#0536**	0	08-Jun-15 A		1		D . DO!!!!											
PS72030	GMOU Submittal and Approval - Install 60" FM from Kendal Dr. to PS#0536	23	29-Nov-16 A	21-Dec-16 A	ate for Procurement - Install		: : : :	M (born Khadal	1 Dr. 40 DC#0#3								1 1	
PS72040	Internal Bid Package Review - Install 60" FM from Kendal Dr. to PS#0536	4	03-Apr-17 A	06-Apr-17 A	_ GN	MOU Submittal and A	17.7			1 1								
PS33120	Design Documents Sent to Procurement - Install 60" FM from Kendal Dr. to PS#0536	0	07-Apr-17 A	· ·	1	- i i i i	kage Review - Install 6	i i	1 1	i i	2#0E36							
PS33130	Submit/Approve SBD Goals and Request to Advertise - hstall 60" FM from Kendal Dr. to PS#0536	17	07-Apr-17 A	23-Apr-17 A	1		ints Sent to Procurem e SBD Goals and Red				,	DC#0E26	.					. !
PS33140	Advertise Bid Package - Install 60" FM from Kendal Dr. to PS#0536	0	24-Apr-17 A		1		ackage - Install 60" Fl				endarbi. ti	J F 3#0530	'					
PS33150	Bid Solicitation Period - Install 60" FM from Kendal Dr. to PS#0536	52	24-Apr-17 A	14-Jun-17 A			tion Period - Install 60	: :	1 1	: :								
PS33160	Bids Due - Install 60" FM from Kendal Dr. to PS#0536	0	15-Jun-17 A		1		Install 60" FM from Ke			W30								
PS33170	Bid Review Period - Install 60" FM from Kendal Dr. to PS#0536	37	15-Jun-17 A	21-Jul-17 A	1	i i i i	w Period - Install 60"	i i	1 1	536	:							
PS33180	Award Recommendation - Install 60" FM from Kendal Dr. to PS#0536	0		21-Jul-17 A	7		ecommendation - Inst			: :	į				1 1		-	
PS33190	Final Approvals (BCC, Mayor, Risk Mgmt.) - Install 60" FM from Kendal Dr. to PS#0536	69	22-Jun-17 A	29-Aug-17 A	1		Approvals (BCC, Mayo				al Dr. to P	S#0536						
PS10380	Procurement - Install 60" FM from Kendal Dr. to PS#0536	188	24-Feb-17 A	30-Aug-17 A			rement - Install 60" FN				a. D., 10							
PS51190	EPA Compliance Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536	0		31-Aug-17 A		◆ EPA C	ompliance Date for P	Procurement - Ir	Install 60" FM fr	rom Kendal	Dr. to PS#	0536			1 1		1 1	
Construction		884	18-Jan-17 A	30-Aug-19	<b>-</b>				30-Aug	1-19, Constru	uction							
PS51970	EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536**	0	18-Jan-17 A		<b>→</b> E	EPA Start Date for Co	nstruction - Install 60	" FM from Kend	idal Dr. to PS#0	0536**								
PS33200	Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536	0	30-Aug-17 A			◆ Contra	actor Notice to Procee	ed (NTP) - Instal	al 60" FM from	Kendal Dr. t	to PS#053	6						
PS10570	Construction - Install 60" FM from Kendal Dr. to PS#0536	261	30-Aug-17 A	13-Feb-19 A	_				Construction -	Install 60" F	M from Ke	ndal Dr. to	PS#0536					
PS723060	Commissioning - Install 60" FM from Kendal Dr. to PS#0536	30	24-Jan-19 A	13-Feb-19 A				■ Comm	ni <mark>s</mark> sioning - Inst	tall 60" FM fi	rom Kenda	al Dr. to PS	#0536					. !
PS10810	Substantial Completion (CD Compliance Date 5/18/19) - Install 60" FM from Kendal Dr. to PS#0536	0		13-Feb-19 A	_			◆ Substa	a <mark>n</mark> tial Completi	ion (CD Con	npliance D	ate 5/18/19	9) - Install 60" F	M from Kendal	Dr. to PS#0	0536		
PS51180	EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to PS#0536	0	445145	18-May-19 A	_			•						endal Dr. to PS	#0536			
PS40860	Project Closeout - Install 60" FM from Kendal Dr. to PS#0536		14-Feb-19 A	30-Aug-19*		<u></u>	<u> </u>		Project	Closeout - I	nstall 60" J	M from Ke	endal Dr. to PS	#0536				, <u> </u>
Project Administration		1338	17-Dec-14 A	30-Aug-19					▼ SU-Aug	j-13, i-10jeci	Administra	a tiloi i						
PS35260	WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536	1338	17-Dec-14 A	30-Aug-19					WASD 30-8	Project Adm	ninistration Replaces	- Install 60	"FM from Ken	idal Dr. to PS#0 #0187	536			; <b>-</b> }
	of Switchgear at PS#0187	1759	07-Oct-14 A	30-Sep-19	esian													ļ <u>ļ</u>
Pre-Design	Dra Daniera Daniera C/C at DC#0407	118	29-Oct-14 A	24-Feb-15 A	- Sugir						i							, 1
PS20480	Pre-Design - Replace S/G at PS#0187	119	29-Oct-14 A	24-Feb-15 A	e S/G at PS#0187 5-Nov-15 A; Engineering De	esian	ļ <u> </u>		- <mark></mark>									; <u></u>
Engineering Design	EDA Start Data for Engineering Davigs - Panilage C/C at DSWM 97#	414	07-Oct-14 A	25-Nov-15 A	ort, Engineering De						!							, 1
PS51980	EPA Start Date for Engineering Design - Replace S/G at PS#0187**  Preliminary Engineering Report (PER) - Replace S/G at PS#0187	42	07-Oct-14 A 24-Feb-15 A	07-10-15	ng Design - Replace S/G at						į							, 1
PS30880	Preliminary Engineering Report (PER) - Replace S/G at PS#0187	27		07-Apr-15 A 04-May-15 A	neering Report (PER) - Repla	- i i i i					-							. :
PS30890 PS51170	PER Review Period - Replace S/G at PS#0187  EPA Compliance Date for Engineering Design - Replace S/G at PS#0187**	2/	08-Apr-15 A	13-May-15 A	eriod - Replace S/G at PS#0													. 1
PS32190	Negotiate Balance of Design - Replace S/G at PS#0187  Negotiate Balance of Design - Replace S/G at PS#0187	57	05-May-15 A	30-Jun-15 A	ice Date for Engineering De	7 ( )	t PS#0187**											. 1
PS31300	30% Design Submittal - Replace S/G at PS#0187	59	01-Jul-15 A	28-Aug-15 A	Balance of Design - Replace						į							. :
PS31310	30% Design Review - Replace S/G at PS#0187			12-Sep-15 A	esign Submittal - Replace S													. !
PS30920	60% Design Submittal - Replace S/G at PS#0187	33	14-Sep-15 A	16-Oct-15 A	Design Review - Replace S/G	i i i i												. 1
PS30930	60% Design Review - Replace S/G at PS#0187	10	17-Oct-15 A	26-Oct-15 A	6 Design Submittal - Replace	1 1 1 1					į							. !
PS10050	Engineering Design - Replace S/G at PS#0187	275	24-Feb-15 A	25-Nov-15 A	% Design Review - Replace						!							, 1
. 5.0000	100% Design Submittal - Replace S/G at PS#0187	30	27-Oct-15 A	25-Nov-15 A	Ingineering Design - Replace		-											. 1
PS30940	The state of the s	454	14-May-15 A	10-Aug-16 A	00% Design Submittal - Rep 10-Aug-16	piace 5/G at PS#018 A, Permitting	۲		<del></del>					-				<u>-</u>
PS30940																	- 1	
Permitting	EPA Start Date for Permitting - Replace S/G at PS#0187**	0		1 1 3	1, 1 1						:						1 1	١ :
Permitting PS51990	EPA Start Date for Permitting - Replace S/G at PS#0187**  DERM Permit - Replace S/G at PS#0187	0	14-May-15 A		e for Permitting - Replace S/	S/G at PS#0187**					 							
Permitting	EPA Start Date for Permitting - Replace S/G at PS#0187**  DERM Permit - Replace S/G at PS#0187  EPA Compliance Date for Permitting - Replace S/G at PS#0187**			22-Dec-15 A 23-May-16 A	DERM Permit - Replace S/0	S/G at PS#0187**		10.147										

	ecree Schedule - June 2019 Update	الم منامة ا			Baseline (By Phase) 13-Jul-19 15:04 - Page No. 60
tivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023   Q1   Q2   Q3   Q4   Q1   Q3   Q4   Q1   Q3
PS41680	RER Bldg. Dept Permit - Replace S/G at PS#0187	133	31-Mar-16 A	10-Aug-16 A	
Procurement		877	08-Jun-15 A	03-Nov-17 A	RER Bidg. Dept Permit - Replace S/G at PS#0187.  03-Nov-17 A, Procurement
PS71590	EPA Start Date for Procurement - Replace S/G at PS#0187**	0	08-Jun-15 A		ate for Procurement - Replace S/G at PS#0187**
PS50670	Initiate Procurement - PS#0187		23-May-16 A		♦ Initiate: Procurement - PS#0187
PS33210	Design Documents Sent to Procurement - PS#0187	0	26-Jul-16 A		Design Documents Sent to Procurement - PS#0187
PS35040	Pre-Purchase Bid Package (Plug Valves) - PS#0187	140	10-Jun-16 A	27-Oct-16 A	Pre-Purchase Bid Package (Plug Valves) - PS#0187
PS72050	Pre-Purchase Bid Package (Pumps) - PS#0187	140	10-Jun-16 A	27-Oct-16 A	Pre-Purchase Bid Package (Pumps) - PS#0187
PS72110	Pre-Purchase Bid Package (Ball Control Valves) - PS#0187	140	10-Jun-16 A	27-Oct-16 A	Pre-Purchase Bid Package (Ball Control Valvés) - P\$#0187
PS35050 PS72060	Advertise Pre-Purchase (Plug Valves) - PS#0187  Advertise Bid Package (Pumps) - PS#0187	0	28-Oct-16 A 28-Oct-16 A		◆ Advertise Pre-Purchase (Plug Valves) - PS#0187
PS72120	Advertise Bid Package (Ball Control Valves) - PS#0187	0	28-Oct-16 A		◆ Advertise Bid Package (Pumps) - PS#0187
PS33220	Submit/Approve SBD Goals and Request to Advertise - PS#0187	118	26-Jul-16 A	20-Nov-16 A	◆ Advertise Bid Package (Ball Control Valves) - PS#0187
PS33230	Advertise Bid Package - PS#0187	0	21-Nov-16 A		\$ubmit/Approve SBD Goals and Request to Advertise - PS#0 \$7  ♦ Advertise Bid Package - PS#0187
PS35060	Vendor Bid & Award (Plug Valves) - PS#0187	33	28-Oct-16 A	29-Nov-16 A	✓ Advertise Bid Package - PS#0167     Vendor Bid & Award (Plug Valves) - PS#0187
PS35070	VendorNTP (Plug Valves) - PS#0187	0		29-Nov-16 A	VendorNTP (PugiValves) - PS#0187      VendorNTP (PugiValves) - PS#0187
PS72130	Vendor Bid & Award (Ball Control Valves) - PS#0187	64	28-Oct-16 A	30-Dec-16 A	Veridor Bid & Award (Ball Control Valves) - PS#0187
PS72140	VendorNTP (Ball Control Valves) - PS#0187	0		30-Dec-16 A	♦ Vendor NTP (Ball Control Valves) - PS#0187
PS33240	Bid Solicitation Period - PS#0187	45	21-Nov-16 A	04-Jan-17 A	Bid Solicitation Period - PS#0187
PS33250	Bids Due - PS#0187	0	05-Jan-17 A		♦ Bids Due - PS#0187
PS72070	Vendor Bid & Award (Pumps) - PS#0187	76	28-Oct-16 A	11-Jan-17 A	Vendor Bid & Award (Pumps) - PS#0187
PS72080	VendorNTP (Pumps) - PS#0187	0		11-Jan-17 A	♦ VendorNTP (Pumps)-PS#0187
PS33260	Bid Review Period - PS#0187	35	05-Jan-17 A	08-Feb-17 A	■ Bid Review Period - PS#0187
PS33270	Award Recommendation - PS#0187	0	20.14 40.4	08-Feb-17 A	◆ Award Recommendation - PS#0187
PS10370 PS33280	Procurement - Replace S/G at PS#0187	275	23-May-16 A	21-Feb-17 A 21-Feb-17 A	Procurement - Replace S/G at PS#0187
PS41810	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0187  Executed Contract S-903 - PS#0187	13	09-Feb-17 A 21-Feb-17 A	21-Feb-17 A	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0187
PS51150	EPA Compliance Date for Procurement - Replace S/G at PS#0187	0	214 60-17 A	31-Mar-17 A	♦ Executed Contract S-903 - PS#0187
PS72160	Pre-Purchase Ball Control Valves - PS#0187	493	10-Jun-16 A	25-May-17 A	◆ EPA Compliance Date for Procurement -Replace S/G at P\$#0187
PS72150	Fabricate & Deliver Ball Control Valves - PS#0187	289	31-Dec-16 A	25-May-17 A	Pre-Purchase Ball Control Valves - PS#0187
PS32180	Pre-Purchase Plug Valves - PS#0187	412	10-Jun-16 A	26-Jul-17 A	Fabricate & Deliver Ball Control Valves - PS#0187  Pre-Purchase Plug Valves - PS#0187
PS35080	Fabricate & Deliver Plug Valves - PS#0187	239	30-Nov-16 A	26-Jul-17 A	Fabricate & Deliver Plug Valves - PS#0187
PS72100	Pre-Purchase Pumps - PS#0187	509	10-Jun-16 A	03-Nov-17 A	Pre-Purchase Pumps - PS#0187
PS72090	Fabricate & Deliver Pumps - PS#0187	294	11-Jan-17 A	03-Nov-17 A	Fahricate & Deliver Pumps - PS#0187
Construction		875	09-Mar-17 A	30-Sep-19	▼ 30-Sep-19, Construction
PS33290	Contractor Notice to Proceed (NTP) - PS#0187	0	09-Mar-17 A		◆ Contractor Notice to Proceed (NTP) - PS#0187
PS71600	EPA Start Date for Construction - Replace S/G at PS#0187	0	01-Apr-17 A		♦ EPA Start Date for 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 att PS#0187
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 26-Mar-19 A	
PS51140 PS40870	EPA Compliance Date for Construction - Replace S/G at PS#0187  Project Closeout - PS#0187	Ů,	26-Mar-19 A	26-iviai-19 A 30-Sep-19*	◆ EPA Compliance Date for Construction - Replace S/G at PS#0187
Project Administration	·	1194	24-Feb-15 A	29-May-19 A	Project Closeout - PS#0187.  ✓ 29-May-19 A, Project Administration
PS35250	WASD Project Administration - Replace S/G at PS#0187	1194	24-Feb-15 A	29-May-19 A	<b>-</b>
-	nergency Generators and Controls at Regional Pump Stations	687	02-Sep-14 A	20-Jul-16 A	WASD Project Administration - Replace S/G at PS#0187  ✓ 20-Jul-16 A, 5.13 Refurbish Emergency Generators and Controls at Regional Pump Stations
Engineering Design	nergency Generators and Gonitors at regionary unipotations	99	02-Sep-14 A	10-Dec-14 A	g Design
PS71610	EPA Start Date for Engineering Design - Refurbish Emer Gen Controls at Pumpstations**	0	02-Sep-14 A	10 200 1471	
PS10030	Engineering Design (N/A) - Refurbish Emer Gen Controls at Pumpstations	40	12-Sep-14 A	21-Oct-14 A	Design - Refurbish Emer Gen Controls at Pumpstations**  ) - Refurbish Emer Gen Controls at Pumpstations  ) - Refurbish Emer Gen Controls at Pumpstations
PS51300	EPA Compliance Date for Engineering Design - Refurbish Emer Gen Controls at Pumpstations	0	<u> </u>	10-Dec-14 A	pr Engineering Design - Refub ish Emer Gen Controls at Pumpstations.
Permitting		209	12-Sep-14 A	09-Apr-15 A	mitting
PS10180	Permitting (N/A) - Refurbish Emer Gen Controls at Pumpstations	40	12-Sep-14 A	21-Oct-14 A	- Refurbish Emer Gen Controls at Pumpstations
PS71620	EPA Start Date for Permitting - Refurbish Emer Gen Controls at Pumpstations	0	11-Dec-14 A		itting - Refultish Emer Gen Controls at Pumpstations
PS51310	EPA Compliance Date for Permitting - Refurbish Emer Gen Controls at Pumpstations	0		09-Apr-15 A	Date for Permitting - Refurbish Emer Gen Controls at Pumpstations 22-Jun-16 A, Procurement
Procurement		649	12-Sep-14 A	22-Jun-16 A	√, ∠∠-Jun-16 A, Procurement
PS30390	5.13 (14) Procurement - Refurbish PS#0522 Emergency Generator & Controls	40	12-Sep-14 A	21-Oct-14 A	urbish PS#0522 Emergency Generator & Controls
PS30480	5.13 (17) Procurement - Refurbish PS#0683 Emergency Generator & Controls	40	19-Sep-14 A	28-Oct-14 A	furbish PS#0683 Emergency Generator & Controls
PS30360	5.13 (13) Procurement - Refurbish PS#0517 Emergency Generator & Controls	40	19-Sep-14 A	28-Oct-14 A	furbish PS#0517 Emergency Generator & Controls
PS30510	5.13 (18) Procurement - Refurbish PS#685 Emergency Generator & Controls	38	07-Oct-14 A	13-Nov-14 A 13-Nov-14 A	efurbish PS#685 Emergency Generator & Controls
PS30180 PS71630	5.13 (7) Procurement - Refurbish PS#0422 Emergency Generator & Controls  EPA Start Date for Procurement - Refurbish Emer Gen Controls at Pump stations	0	07-Oct-14 A 03-Jan-15 A	13-N0V-14 A	furbish PS#0422 Emerajency Generator & Controls
PS30450	5.13 (16) Procurement - Refurbish PS#0681 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	puremient - Refurbish Emer Gen Controls at Pumpstations
PS30420	5.13 (15) Procurement - Refurbish PS#0571 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	Refurbish PS#0681 Emergency Generator & Controls
PS30300	5.13 (11) Procurement - Refurbish PS#0426 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	Refurbish PS#0931 Emergency Generator & Controls
PS30240	5.13 (9) Procurement - Refurbish PS#0424 Emergency Generator & Controls	59	02-Feb-15 A	01-Apr-15 A	- Refurbish: PS#0426 Emergency Generator & Controls
PS30120	5.13 (5) Procurement - Refurbish PS#0348 Emergency Generator & Controls	73	20-Jan-15 A	02-Apr-15 A	nent - Refurbish PS#0424 Emergency Generator & Controls
PS30090	5.13 (4) Procurement - Refurbish PS#0347 Emergency Generator & Controls	52	16-Feb-15 A	08-Apr-15 A	ment - Refurbish PS#0348 Emergency Generator & Controls ment - Refurbish PS#0347 Emergency Generator & Controls
PS30330	5.13 (12) Procurement - Refurbish PS#0516 Emergency Generator & Controls	102	05-Jan-15 A	16-Apr-15 A	rement - Refurbish PS#034/ Emergency Generator & Controls  rement - Refurbish PS#0516 Emergency Generator & Controls
PS30150	5.13 (6) Procurement - Refurbish PS#0421 Emergency Generator & Controls	2	22-Apr-15 A	23-Apr-15 A	pment - Refurbish PS#0421 Emergency Generator & Controls
PS30000	5.13 (1) Procurement - Refurbish PS#0306 Emergency Generator & Controls	136	22-Dec-14 A	06-May-15 A	rement - Refurbish PS#0306 Emergency Generator & Controls
PS30030	5.13 (2) Procurement - Refurbish PS#0345 Emergency Generator & Controls	26	04-May-15 A	29-May-15 A	urement - Refurbish PS#0345 Emergency Generator & Controls
PS30270	5.13 (10) Procurement - Refurbish PS#0425 Emergency Generator & Controls	26	04-May-15 A	29-May-15 A	curement - Refurbish PS#0425 Emergency Generator, & Controls
PS30540	5.13 (19) Procurement - Refurbish PS#1072 Emergency Generator & Controls	22	15-Jun-15 A	06-Jul-15 A	Procurement - Refurbish PS#1072 Emergency Generator & Controls
PS30210	5.13 (8) Procurement - Refurbish PS#0423 Emergency Generator & Controls	22	15-Jun-15 A	06-Jul-15 A 09-Sep-15 A	ocurement - Refutbish PS#0423 Emergenicy Generator & Controls

	cree Schedule - June 2019 Update		Stand		Baseline (By Phase) 13-Jul-19 15:04 - Page No. 67 of 7
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 204 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 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 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
PS10340	Procurement (Summary) - Refurbish Emer Gen Controls at Pumpstations	364	12-Sep-14 A	10-Sep-15 A	Procurement (Summarly) - Refurbish Emer Gen Controls at Pumpstations
PS30060	5.13 (3) Procurement - Refurbish PS#0346 Emergency Generator & Controls	32	10-Aug-15 A	10-Sep-15 A	3) Procurement - Refurbish PS#0346 Emergency Generator & Controls
PS51320	EPA Compliance Date for Procurement - Refurbish Emer Gen Controls at Pumpstations	0		22-Jun-16 A	● EPA Compliance Date for Procurement - Refurbish Erner Gen Controls at Pumpstations  7 20-Jul-16 A, Construction
Construction	5 40 (47) Q	637	22-Oct-14 A	20-Jul-16 A	▼ 20-Jul-16 A, Construction
PS30490	5.13 (17) Construction - Refurbish PS#0683 Emergency Generator & Controls	29	29-Oct-14 A	26-Nov-14 A	Refurbish PS#0683 Emergency Generator & Controls
PS30520	5.13 (18) Construction - Refurbish PS#0685 Emergency Generator & Controls	18	14-Nov-14 A 14-Nov-14 A	01-Dec-14 A 08-Dec-14 A	Refurbish PS#0685 Emergency Generator & Controls
PS30190 PS30370	5.13 (7) Construction - Refurbish PS#0422 Emergency Generator & Controls  5.13 (13) Construction - Refurbish PS#0517 Emergency Generator & Controls	25	14-Nov-14 A	10-Dec-14 A	Refurbish PS#0422 Emergency Generator & Controls
PS30400	5.13 (14) Construction - Refurbish PS#0522 Emergency Generator & Controls	83	22-Oct-14 A	12-Jan-15 A	Refulbish PS#0517 Emergency Generator & Controls
PS30310	5.13 (11) Construction - Refurbish PS#0426 Emergency Generator & Controls	29	07-Jan-15 A	04-Feb-15 A	- Refurbish PS#0522 Emergency Generator & Controls
PS30460	5.13 (16) Construction - Refurbish PS#0681 Emergency Generator & Controls	29	13-Jan-15 A	10-Feb-15 A	n - Refurbish PS#0426 Emergency Generator & Controls  n - Refurbish PS#0681 Emergency Generator & Controls
PS30430	5.13 (15) Construction - Refurbish PS#0571 Emergency Generator & Controls	29	20-Jan-15 A	17-Feb-15 A	on - Refurbish PS#0571 Emergency Generator & Controls  on - Refurbish PS#0571 Emergency Generator & Controls
PS30160	5.13 (6) Construction - Refurbish PS#0421 Emergency Generator & Controls	2	22-Apr-15 A	23-Apr-15 A	uction' - Refurbish PS#0421 Emergency Generator & Controls
PS30100	5.13 (4) Construction - Refurbish PS#0347 Emergency Generator & Controls	29	09-Apr-15 A	07-May-15 A	ruction - Refurbish PS#0347 Emergency Generator & Controls
PS30250	5.13 (9) Construction - Refurbish PS#0424 Emergency Generator & Controls	29	10-Apr-15 A	08-May-15 A	ruction - Refurbish PS#0424 Emergency Generator & Controls
PS30130	5.13 (5) Construction - Refurbish PS#0348 Emergency Generator & Controls	55	03-Apr-15 A	27-May-15 A	struction - Refurbish PS#0348 Emergency Generator & Controls
PS30040	5.13 (2) Construction - Refurbish PS#0345 Emergency Generator & Controls	10	01-Jun-15 A	10-Jun-15 A	struction - Refurbish PS#0345 Emergency Generator & Controls
PS30280	5.13 (10) Construction - Refurbish PS#0425 Emergency Generator & Controls	12	01-Jun-15 A	12-Jun-15 A	Instruction - Refulbish PS#0425 Emergency Generator & Controls
PS30010	5.13 (1) Construction - Refurbish PS#0306 Emergency Generator & Controls	81	12-May-15 A	31-Jul-15 A	Construction - Refurbish PS#0306 Emergency Generator & Controls
PS30550	5.13 (19) Construction - Refurbish PS#1072 Emergency Generator & Controls	29	07-Jul-15 A	04-Aug-15 A	Construction - Refurbish PS#1072 Emergency Generator & Controls
PS30220	5.13 (8) Construction - Refurbish PS#0423 Emergency Generator & Controls	29	07-Jul-15 A	04-Aug-15 A	Construction - Refurbish PS#0423 Emergency Generator & Controls
PS30580	5.13 (20) Construction - Refurbish PS#1073 Emergency Generator & Controls  5.13 (3) Construction - Refurbish PS#0346 Emergency Generator & Controls	19	10-Sep-15 A	28-Sep-15 A	(20) Construction - Refurbish PS#1073 Emergency Generator & Controls
PS30070		29	11-Sep-15 A	09-Oct-15 A	3) Construction - Refurbish PS#0346 Emergency Géneration & Controls
PS71640 PS10520	EPA Start Date for Construction - Refurbish Emer Gen Controls at Pumpstations  Construction (Summary) - Refurbish Emer Gen Controls at Pumpstations	464	03-Jan-16 A 29-Oct-14 A	04-Feb-16 A	EPÀ Start: Date for Construction - Refurbish Emer Gen Controls at Pumpstations
PS30340	5.13 (12) Construction - Refurbish PS#0516 Emergency Generator & Controls	269	12-May-15 A	04-Feb-16 A	Construction (Summary) - Refurbish Emer Gen Controls at Pumpstations
PS10630	Substantial Completion (CD Compliance Date 7/20/16) - Refurbish Emer Gen Controls at Pumpstations	0	12-Way-13A	04-Feb-16 A	5,13 (12) Construction - Refurbish PS#0516 Emetgency/Generator & Controls
PS51330	EPA Compliance Date for Construction - Refurbish Emer Gen Controls at Pumpstations	0		20-Jul-16 A	♦ Substantial Completion (CD Compliance Date 7/20/16) - Refurbish Emer Gen Controls at Pumpstations
Project Administration		268	12-May-15 A	04-Feb-16 A	<ul> <li>◆ ERA Compliance Date for Construction. Refurbish Ernet Gen. Controls at Pumpstations.</li> <li>▼ 04-Feb-16 A, Project Administration</li> </ul>
PS72640	WASD Project Administration - Refurbish Emergency Generator & Controls	269	12-May-15 A	04-Feb-16 A	
5.14 Upgrade of PS		652	19-Mar-12 A	31-Dec-13 A	. WASD Project Administration - Refurbish Emergency Generator & Controls
Procurement		383	19-Mar-12 A	06-Apr-13 A	
PS10000	Procurement - Upgrade PS#0086, 0492	183	19-Mar-12 A	17-Sep-12 A	1
PS71650	EPA Start Date for Procurement - Upgrade PS#0086, 0492	0	08-Oct-12 A		1
PS51340	EPA Compliance Date for Procurement - Upgrade PS#0086, 0492	0		06-Apr-13 A	1
Construction		269	06-Apr-13 A	31-Dec-13 A	
PS71660	EPA Start Date for Construction - Upgrade PS#0086, 0492	0	06-Apr-13 A		<b>1</b>
PS10010	Construction - Upgrade PS#0086, 0492	101	06-Apr-13 A	15-Jul-13 A	]
PS10160	Substantial Completion (CD Compliance Date 12/31/13) - Upgrade PS#0086, 0492	0		15-Jul-13 A	Jograde PS#0086, 0492
PS51350	EPA Compliance Date for Construction - Upgrade PS#0086, 0492	0		31-Dec-13 A	ie PS#0086, 0492
Project Administration		483	19-Mar-12 A	15-Jul-13 A	
PS72650	WASD Project Administration - Upgrade PS#0086, 0492	484	19-Mar-12 A	15-Jul-13 A	86, 0492 ▼ 25-Jan-18 A, 5.1.5 Upgrade of PS#0065, 0201, 0334, 0374, 0607
	S#0065, 0201, 0334, 0374, 0607	2916	12-Dec-10 A	25-Jan-18 A	
Engineering Design	EDA Clark Date for Engineering Daving Library to D0//0005 0004 0004 0004 0007	1496	12-Dec-10 A	16-Jan-15 A	Iring Design:
PS71670	EPA Start Date for Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	01-Jan-14 A	00 lon 15 A	le PS#0065, 0201, 0334, 0374, 0607
PS51360 PS10170	EPA Compliance Date for Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607**  Engineering Design - Upgrade PS#0065, 0204, 0274, 0607	1497	12-Dec-10 A	09-Jan-15 A 16-Jan-15 A	for Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607**
Permitting	Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607	1579	12-Dec-10 A	09-Apr-15 A	Upgrade PS#0065, 0201, 0334, 0374, 0607
PS71680	EPA Start Date for Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	10-Jan-15 A	03Api-13A	<b>1</b>
PS10260	Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	1528	12-Dec-10 A	16-Feb-15 A	mitting - Upgrade PS#0065, 0201, 0334, 0374, 0607 rade PS#0065, 0201, 0334, 0374, 0607
PS51370	EPA Compliance Date for Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	0		09-Apr-15 A	1 : : : : : : : : : : : : : : : : : : :
Procurement		1625	12-Dec-10 A	25-May-15 A	Date for Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607.  Procurement
PS71690	EPA Start Date for Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	08-Oct-14 A		ent - Upgrade PS#0065, 0201, 0334, 0374, 0607
PS51380	EPA Compliance Date for Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607**	0		06-Apr-15 A	Date for Procurement -Upgrade P\$#0065, 0201, 0334, 0374, 0607**
PS10320	Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607	1626	12-Dec-10 A	25-May-15 A	- Upgrade PS#0065, 0201, 0334, 0374, 0607
Construction		1845	12-Dec-10 A	31-Dec-15 A	31-Dec-15 A, Construction
PS71700	EPA Start Date for Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	06-Apr-15 A		or Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607
PS10350	Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	1845	12-Dec-10 A	30-Dec-15 A	Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607
PS10500	Substantial Completion (CD Compliance Date 12/31/15) - Upgrade PS#0065, 0201, 0334, 0374, 0607	0		30-Dec-15 A	Substantial Completion (CD Compliance Date 12/31/15) - Upgrade PS#0065, 0201 0334, 0374, 0607
PS51390	EPA Compliance Date for Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	0		31-Dec-15 A	EPA Combliance Date for Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607 22-Dec-15-A, 5-15 (1) Pump Station 0065 Compliance Project
	on 0065 Compliance Project		01-Aug-14 A	22-Dec-15 A	22-20-10/n, v. is (1) i unip diaudi www willplance riogot
Pre-Design	Dra Daniera DCHOOCE Compliance Drait-1	87	01-Aug-14 A	26-Oct-14 A	
PS20490	Pre-Design - PS#0065 Compliance Project	87	01-Aug-14 A	26-Oct-14 A	npliance Project Ing Design
Engineering De sign	Engineering Design - DS#0065 Compliance Project	81	27-Oct-14 A	16-Jan-15 A	4
PS12002	Engineering Design - PS#0065 Compliance Project	82 28	27-Oct-14 A	16-Jan-15 A 16-Feb-15 A	PS#0065 Compliance Project
Permitting PS12012	Permitting - PS#0065 Compliance Project	28	19-Jan-15 A 19-Jan-15 A	16-Feb-15 A 16-Feb-15 A	47
1 012012	1 Strings 1 Onoto Compilation 1 10/60	63	23-Feb-15 A	27-Apr-15 A	0065 Compliance Project to curement
Procurement	Descurement DC#000F Compliance Design	64	23-Feb-15 A 23-Feb-15 A	27-Apr-15 A 27-Apr-15 A	PS#0065 Compliance Project
Procurement PS12022					
PS12022	Procurement - PS#0065 Compliance Project			· ·	22-Dec-15-A, Construction
PS12022 Construction		225	11-May-15 A	22-Dec-15 A	22-Dec-15-A, Construction
PS12022	Construction - PS#0065 Compliance Project  Substantial Completion (CD Compliance Date 12/31/15) - PS#0065 Compliance Project			· ·	

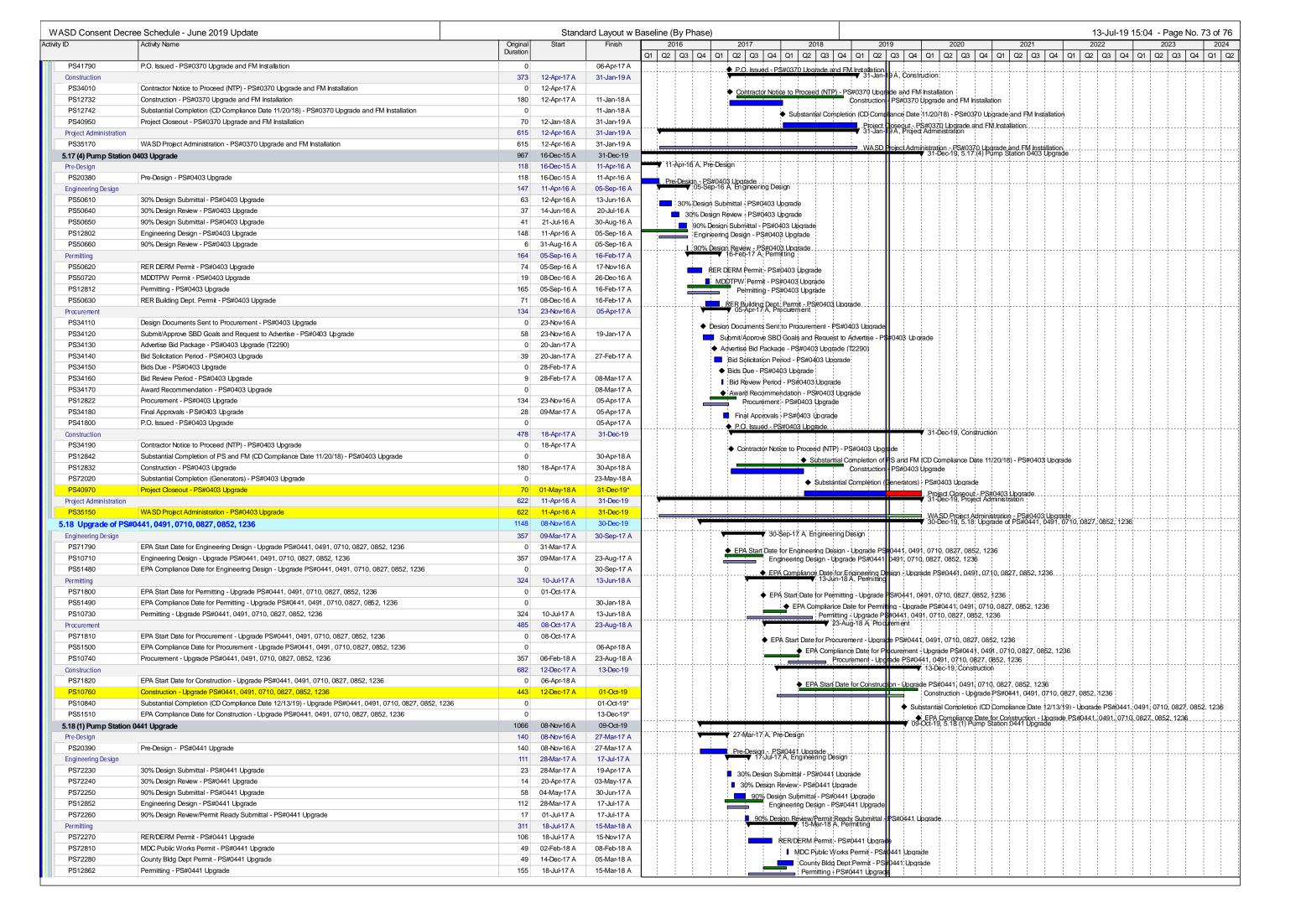
WASD Consent Dec	ree Schedule - June 2019 Update		Standa	ard Layout w I	Baseline (By Phase) 13-Jul-19 15:04 - Page No. 68 of 76
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024
PS72720	WASD Project Administration - PS#0065 Compliance Project	422	27-Oct-14 A	22-Dec-15 A	Q1 Q2 Q3 Q4 Q1 Q2
	p Station 0065 Phase 1	446	01-Aug-14 A	21-Oct-15 A	Oct-15 A, 5;15 (1;1) FM;for Pump Station 0065 Phase 1
Pre-Design		87	01-Aug-14 A	26-Oct-14 A	
PS31110	Pre-Design - FM for PS#0065 Phase 1	87	01-Aug-14 A	26-Oct-14 A	65 Phase 1 ing Design
Engineering De sign		81	27-Oct-14 A	16-Jan-15 A	
PS31060	Engineering Design - FM for PS#0065 Phase 1	82	27-Oct-14 A	16-Jan-15 A 16-Feb-15 A	FM for PS#0065 Phase 1
Permitting PS31070	Permitting - FM for PS#0065 Phase 1	28	19-Jan-15 A 19-Jan-15 A	16-Feb-15 A 16-Feb-15 A	or PS#0065 Phase 1
Procurement	Tollinding Thirton Chrosos Flado T	91	23-Feb-15 A	25-May-15 A	Procurement
PS31080	Procurement - FM for PS#0065 Phase 1	92	23-Feb-15 A	25-May-15 A	- FM for PS#0065 Phase 1
Construction		148	26-May-15 A	21-Oct-15 A	Oct-15 A, Construction
PS31090	Construction - FM for PS#0065 Phase 1	149	26-May-15 A	21-Oct-15 A	Construction - FM for PS#0065 Phase 1
PS31100	Substantial Completion (CD Compliance Date 12/31/15) - FM for PS#0065 Phase 1	0		21-Oct-15 A	stantial Completion (CD Compliance Date 12/31/15)FM for PS#0065 Phase 1 Oct-15 A, Project Administration
Project Administration	WA OD Desire A Administration FM to DOWOOOF Phase 4	359	27-Oct-14 A	21-Oct-15 A	4 : : : : : : : : : : : : : : : : : : :
PS72730	WASD Project Administration - FM for PS#0065 Phase 1  p Station 0065 Phase 2 (Non-Consent Decree)	360 1561	27-Oct-14 A 28-Aug-14 A	21-Oct-15 A 25-Jan-18 A	WASD Project Administration - FM for PS#0065 Phase 1  ✓ 25-Jan-18 A, 5.15 (1.2) FM for Pump Station 0065 Phase 2 (Non-Consent Decree)
Pre-Design	p Station 0005 Phase 2 (Noti-Consent Decree)	425	28-Aug-14 A	27-Oct-15 A	Oct-15 A, Pre-Design
PS72170	Pre-Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	426	28-Aug-14 A	27-Oct-15 A	Decign FM for DS#005E Phage 3 (Non Consent Debree)
Engineering Design		216	28-Oct-15 A	31-May-16 A	-Design - FM for PS#0065 Phase 2 (Non-Consent Decree). 31-May-16 A, Englineering Design
PS72180	Engineering Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	217	28-Oct-15 A	31-May-16 A	Engineering Design - FM for PS#0065 Phase 2 (Non-Consent Degree)
Permitting		77	01-Jun-16 A	17-Aug-16 A	▼ 17-Aug 16 A Permitting
PS72190	Permitting - FM for PS#0065 Phase 2 (Non-Consent Decree)	78	01-Jun-16 A	17-Aug-16 A	Permitting - FM for PS#0065 Phase 2 (Non-Consent Decree)
Procurement	Programment FM for PC#0065 Phase 2 (Non Concent Pages)	199	19-Sep-16 A	06-Apr-17 A	4
PS72200 Construction	Procurement - FM for PS#0065 Phase 2 (Non-Consent Decree)	200 608	19-Sep-16 A 07-Apr-17 A	06-Apr-17 A 25-Jan-18 A	Procurement - FM for PS#0065 Phase 2 (Non-Consent Decree).  ✓ 25-Jan-18 A, Construction
PS72210	Construction - FM for PS#0065 Phase 2 (Non-Consent Decree)	294	07-Apr-17 A	25-Jan-18 A	<del> </del>
PS72220	Substantial Completion - FM for PS#0065 Phase 2 (Non-Consent Decree)	0		25-Jan-18 A	Construction - FM for PS#0065 Phase 2 (Non-Consent Decree)
Project Administration		821	28-Oct-15 A	25-Jan-18 A	Substantial Completion FM for PS#0065. Phase 2 (Non-Consent Decree).     Substantial Completion FM for PS#0065. Phase 2 (Non-Consent Decree).
PS72740	WASD Project Administration - FM for PS#0065 Phase 2 (Non-Consent Decree)	821	28-Oct-15 A	25-Jan-18 A	WASD Project Administration - FM for PS#0065 Phase 2 (Non-Consent Decree)
	n 0201 Compliance Project	976	01-Jan-13 A	04-Sep-15 A	b-15 Å, 5.15 (2) Pump Station 0201 Compliance Project
Engineering Design	Engineering Design DC#0004 Compliance Design	367	01-Jan-13 A	03-Jan-14 A	
PS12052 Permitting	Engineering Design - PS#0201 Compliance Project	368 172	01-Jan-13 A 06-Jan-14 A	03-Jan-14 A 27-Jun-14 A	PS#0201 Compliance Project
PS12062	Permitting - PS#0201 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	0201:Compliance Project
Procurement		262	30-Jun-14 A	19-Mar-15 A	purement
PS12072	Procurement - PS#0201 Compliance Project	263	30-Jun-14 A	19-Mar-15 A	S#02D1 Compliance Project
Construction		168	20-Mar-15 A	04-Sep-15 A	b-15 A, Construction
PS12082	Construction - PS#0201 Compliance Project	169	20-Mar-15 A	04-Sep-15 A	Construction - PS#0201 Compliance Project
PS12092	Substantial Completion (CD Compliance Date 12/31/15) - PS#0201 Compliance Project	0	04 lon 12 A	04-Sep-15 A	Initial Completion (CD Compliance Date 12/3:1/15) PS#0201 Compliance Project D-15 A, Project Administration
Project Administration PS72750	WASD Project Administration - PS#0201 Compliance Project	976 977	01-Jan-13 A 01-Jan-13 A	04-Sep-15 A 04-Sep-15 A	WASD Project Administration - PS#0201 Compliance Project
	n 0334 Compliance Project	1093		30-Dec-15 A	30-Dec-15; A, 5.15 (3) Pump: Station 0334 Compliance Project
Engineering De sign		367	01-Jan-13 A	03-Jan-14 A	
PS12102	Engineering Design - PS#0334 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	PS#0334 Compliance Project
Permitting		172	06-Jan-14 A	27-Jun-14 A	
PS12112	Permitting - PS#0334 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	0334/Compliance Project
Procurement	Procurement - PS#0334 Compliance Project	232	17-Jun-14 A	04-Feb-15 A	4
PS12122 Construction	Procurement - PS#U334 Compliance Project	233 328	17-Jun-14 A 05-Feb-15 A	04-Feb-15 A 30-Dec-15 A	S#0334 Compliance Project 30-Dec-15 A, Construction
PS12132	Construction - PS#0334 Compliance Project	329	05-Feb-15 A	30-Dec-15 A	Construction - PS#0334 Compliance Project
PS12142	Substantial Completion (CD Compliance Date 12/31/15) - PS#0334 Compliance Project	0		30-Dec-15 A	<b>1</b>
Project Administration		1093	01-Jan-13 A	30-Dec-15 A	Substantial Completion (CD Compliance Date 12/31/15) - PS#0334 Compliance Project 30-Dec-15 A, Project Administration
PS72690	WASD Project Administration - PS#0334 Compliance Project	1094	01-Jan-13 A	30-Dec-15 A	WASD Project Administration - PS#0334 Compliance Project
5.15 (3.1) FM for Pum	p Station 0334	846	01-Jan-13 A	27-Apr-15 A	15 (3.1) FM for Pump Station (0334)
Engineering Design	Engineering Design - EM for Dumn Station 0224	367	01-Jan-13 A	03-Jan-14 A	
PS12152 Permitting	Engineering Design - FM for Pump Station 0334	368 219	01-Jan-13 A 06-Jan-14 A	03-Jan-14 A 13-Aug-14 A	FM for Pump Station 0334
PS12162	Permitting - FM for Pump Station 0334	220	06-Jan-14 A	13-Aug-14 A	for Pump Station 0334
Procurement	• • • • • • • • • • • • • • • • • • •	146	30-Jun-14 A	23-Nov-14 A	
PS12172	Procurement - FM for Pump Station 0334	147	30-Jun-14 A	23-Nov-14 A	M for Pump Station 0334
Construction		154	24-Nov-14 A	27-Apr-15 A	pristruction
PS12182	Construction - FM for Pump Station 0334	155	24-Nov-14 A	27-Apr-15 A	Construction - FM for Pump Station 0334
PS12192	Substantial Completion (CD Compliance Date 12/31/15) - FM for Pump Station 0334	0	04 / 45 :	27-Apr-15 A	mpletion (CD Compliance Date 12/31/15) -FM for Pump Station 0334
Project Administration	WASD Project Administration - EM for Dump Station 0224	846	01-Jan-13 A	27-Apr-15 A	4^ 1
PS72700 <b>5.15 (4) Pump Station</b>	WASD Project Administration - FM for Pump Station 0334	847	01-Jan-13 A 12-Dec-10 A	27-Apr-15 A 03-Jan-14 A	WASD Project Administration - FM for Pump Station 0334  Dograde
5.15 (4) Pump Station Engineering Design	TNO. UST + Upgraue	1118	12-Dec-10 A 12-Dec-10 A	03-Jan-14 A 03-Jan-14 A	<del>                                     </del>
PS12202	Engineering Design - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	PS#0374 Upgrade
Permitting		1118	12-Dec-10 A	03-Jan-14 A	
PS12212	Permitting - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	0374 Upgrade
Procurement		1118	12-Dec-10 A	03-Jan-14 A	
PS12222	Procurement - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	S#0374 Upgrade
Construction		1118	12-Dec-10 A	03-Jan-14 A	

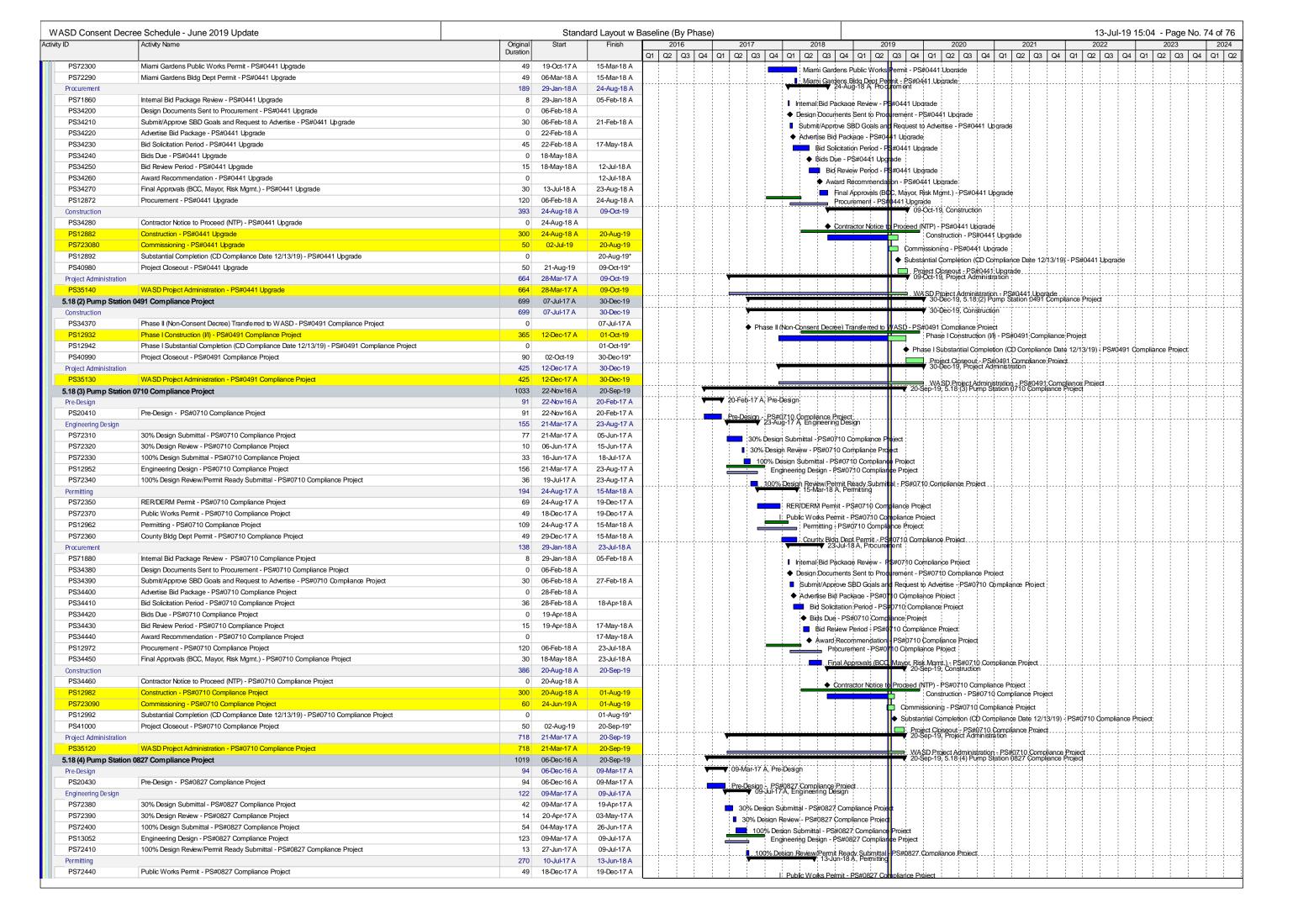
	cree Schedule - June 2019 Update			<u> </u>	Baseline (By Phase) 13-Jul-19 15:04 - Page No. 69 of 7
vity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 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 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
PS12232	Construction - PS#0374 Upgrade - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	Construction - PS#0374 Upgrade - Completed In-House
PS12242	Substantial Completion (CD Compliance Date 12/31/15) - PS#0374 Upgrade	0		03-Jan-14 A	2/31//15) - PS#0374 Upgrade
Project Administration		1118	12-Dec-10 A	03-Jan-14 A	
PS72710	WASD Project Administration - PS#0374 Upgrade - Completed In-House ion No. 0374 FM Installation	1119	12-Dec-10 A 12-Dec-10 A	03-Jan-14 A 03-Jan-14 A	WASD Project Administration - PS#0374, Upgrade - Completed In-House
Engineering De sign	ION NO. 0574 FW INSIGNATION	1118	12-Dec-10 A	03-Jan-14 A	
PS12252	Engineering Design - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	PS#0374 FM Installation
Permitting		1118	12-Dec-10 A	03-Jan-14 A	
PS12262	Permitting - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	0374;FM Installation
Procurement		1118	12-Dec-10 A	03-Jan-14 A	
PS12272	Procurement - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	S#0374 FM Installation
Construction PS12282	Construction - PS#0374 FM Installation - Completed In-House	1118	12-Dec-10 A 12-Dec-10 A	03-Jan-14 A 03-Jan-14 A	
PS12292	Substantial Completion (CD Compliance Date 12/31/15) - PS#0374 FM Installation	0	12-Dec-10 A	03-Jan-14 A	Construction - PS#0374 FM Installation - Completed In-House
Project Administration	· · · · · · · · · · · · · · · · · · ·	1118	12-Dec-10 A	03-Jan-14 A	2/31/15) - PS#0374 FM Installation
PS72680	WASD Project Administration - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0374 FM Installation
5.15 (5) Pump Statio	n 0607 Compliance Project	1025	01-Jan-13 A	23-Oct-15 A	Oct-15 A, 5;15 (5) Pump Station 0607 Compliance Project
Engineering Design		367	01-Jan-13 A	03-Jan-14 A	
PS12302	Engineering Design - PS#0607 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	PS#0607 Compliance Project
Permitting PS12312	Domitting DS#0607 Compliance Project	151	06-Jan-14 A	06-Jun-14 A	
PS12312 Procurement	Permitting - PS#0607 Compliance Project	152 210	06-Jan-14 A 30-Jun-14 A	06-Jun-14 A 26-Jan-15 A	0607 Compliance Project
PS12322	Procurement - PS#0607 Compliance Project	211	30-Jun-14 A	26-Jan-15 A	S#0607 Compliance Project
Construction	· · · · · · · · · · · · · · · · · · ·	269	27-Jan-15 A	23-Oct-15 A	Oct-15 A, Construction
PS12332	Construction - PS#0607 Compliance Project	270	27-Jan-15 A	23-Oct-15 A	Construction - PS#0607 Compliance Project
PS12342	Substantial Completion (CD Compliance Date 12/31/15) - PS#0607 Compliance Project	0		23-Oct-15 A	ostantial Completion (CD Combliance Date 12/31/15) - PS#0607 Compliance Project Cot-15 A, Project Administration
Project Administration		1025	01-Jan-13 A	23-Oct-15 A	
PS72670	WASD Project Administration - PS#0607 Compliance Project	1026	01-Jan-13 A	23-Oct-15 A	WASD Project Administration - PS#0607 Compliance Project   ▼ 31-Jul-19, 5.16 Upgrade of PS#0198, 0437, 0466, 0680
	S#0198, 0437, 0466, 0680	1550 273	03-Nov-14 A 02-Jan-15 A	31-Jul-19 02-Oct-15 A	ct-15.A, Engineering Design
Engineering De sign PS71710	EPA Start Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	02-Jan-15 A	02-OCI-15 A	<b>- </b>
PS51400	EPA Compliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	02 0011 1071	06-Sep-15 A	lineering Design - Upgrade PS#0198, 0437, 0466, 0680**
PS10330	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680	155	01-May-15 A	02-Oct-15 A	Dompliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**   Design - Upgrade PS#0198, 0437, 0466, 0680
Permitting		140	10-Aug-15 A	28-Dec-15 A	28-Dec-15 Ă, Permitting
PS71720	EPA Start Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680	0	07-Sep-15 A		tart Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680
PS51410	EPA Compliance Date for Permitting - Upgrade PS#01 98, 0437, 0466, 0680**	0		05-Dec-15 A	EPA Compliance Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680**
PS10430	Permitting - Upgrade PS#0198, 0437, 0466, 0680	141	10-Aug-15 A	28-Dec-15 A	Permitting - Upglade PS#0198, 0437, 0466, 0680
Procurement PS71730	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680	229	04-Nov-15 A 06-Dec-15 A	20-Jun-16 A	
PS51420	EPA Compliance Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680**	0	00-DCC-13-A	02-Jun-16 A	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680
PS10490	Procurement - Upgrade PS#0198, 0437, 0466, 0680	230	04-Nov-15 A	20-Jun-16 A	◆ EPA Compliance Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680 PS#0198, 0437, 0466, 0680
Construction		1018	18-Apr-16 A	31-Dec-18 A	31-Dec-18 A, Construction
PS71740	EPA Start Date for Construction - Upgrade PS#0198, 0437, 0466, 0680	0	03-Jun-16 A		◆ EPA Start Date for Construction - Upgrade PS#0198, 0437, 0466, 0680
PS10540	Construction - Upgrade PS#0198, 0437, 0466, 0680	562	18-Apr-16 A	24-Jan-18 A	Construct <mark>o</mark> n - Upgrade PS#0198, 0437, 0466, 0680
PS10700 PS51430	Substantial Completion (CD Compliance Date 12/31/18) - Upgrade PS#0198, 0437, 0466, 0680  EPA Compliance Date for Construction - Upgrade PS#0198, 0437, 0466, 0680**	0		24-Jan-18 A 31-Dec-18 A	Substantial Completion (CD Compliance Date 12/31/18) -: Upgraide PS#0198, 0437, 0466, 0680
	n 0198 Compliance Project	1305	03-Nov-14 A	28-Feb-19 A	<ul> <li>♠ EPA Combliance Date for Construction - Upgrade PS#0198, 0437, 0466, 0680**</li> <li>▼ 28-Feb-19 Ä, 5.16(1) Pump Station 0198 Compliance Project</li> </ul>
Pre-Design	11 0136 Compilance Project	179	03-Nov-14 A	30-Apr-15 A	re-Design
PS20290	Pre-Design - PS#0198 Compliance Project	179	03-Nov-14 A	30-Apr-15 A	B#0198.Compliance Project
Engineering Design		95	01-May-15 A	04-Aug-15 A	5#U198 Compliance Project IS A, Engineering/Design
PS12352	Engineering Design - PS#0198 Compliance Project	96	01-May-15 A	04-Aug-15 A	eering Design - P\$#0198 Compliance Project
Permitting	D 38 D080100 0 F D 1 1	66	10-Aug-15 A	15-Oct-15 A	Oct-15 A, Pérmitting
PS12362	Permitting - PS#0198 Compliance Project	67 162	10-Aug-15 A	15-Oct-15 A 14-Apr-16 A	Permitting - PS#0198 Compliance Project
Procurement PS33300	Design Documents Sent to Procurement - PS#0198 Compliance Project	162	04-Nov-15 A 04-Nov-15 A	14-Apr-10 A	
PS33310	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project	26	04-Nov-15 A	29-Nov-15 A	sign Documents Sent to Procurement - PS#0198 Compliance Project
PS33320	Advertise Bid Package - PS#0198 Compliance Project	0	07-Dec-15 A		Submit/Appiove SBD Goals and Request to Advertise - PS#0198 Compliance Project
PS33330	Bid Solicitation Period - PS#0198 Compliance Project	31	07-Dec-15 A	06-Jan-16 A	Advertise Bid Package -:PS#0198 Compliance Project  Bid Solictitation Period - PS#0198 Compliance Project
PS33340	Bids Due - PS#0198 Compliance Project	0	06-Jan-16 A		▶ Bids Due - PS#0198 Compliance Project
PS33350	Bid Review Period - PS#0198 Compliance Project	20	06-Jan-16 A	25-Jan-16 A	Bid Review Period - PS#0198 Compliance Project
PS41140	Bid Cancellation - PS#0198 Compliance Project	3	26-Jan-16 A	28-Jan-16 A	I Bid Cancellation - P\$#0198 Compliance Project
PS41150	Re-Bid Solicitation - PS#0198 Compliance Project	30	09-Feb-16 A	09-Mar-16 A	Re-Bid Solicitation - PS#0198 Compliance Project
PS41160	Re-Bids Due - PS#0198 Compliance Project	0	10-Mar-16 A	22 Mar 40 A	◆ Re-Bids Due - PS#0198 Compliance Project
PS41170 PS33360	Re-Bid Review Period - PS#0198 Compliance Project  Award Recommendation - PS#0198 Compliance Project	14	10-Mar-16 A	23-Mar-16 A 23-Mar-16 A	Re-Bid Review Period - PS#0198 Compliance Project
PS33360 PS12372	Award Recommendation - PS#0198 Compliance Project  Procurement - PS#0198 Compliance Project	163	04-Nov-15 A	23-Mar-16 A 14-Apr-16 A	Award Recommendation - PS#0198 Compliance Project Procurement - PS#0198 Compliance Project
PS33370	Final Approvals - PS#0198 Compliance Project	22	24-Mar-16 A	14-Apr-16 A	<del>1                                    </del>
PS50780	P.O. Issued - PS#0198 Compliance Project	0		14-Apr-16 A	■ Final Approvals: PS#0198 Compliance Project  ◆ P.Q. Issued - P\$#0198 Compliance Project
	· · · · · · · · · · · · · · · · · · ·	773	18-Apr-16 A	28-Feb-19 A	▼ P.Q. ssued - PS#0198 Compliance Project.  ▼ 28-Feb 19 A, Construction
Construction			05 440 4		<b>1</b> : : : : : : : : : : : : : : : : <b>!</b> : : : : : : : : : : : : : : : : : : :
Construction PS33380	Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project	0	25-Apr-16 A		■ Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project
_	Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project  Construction - PS#0198 Compliance Project	562	25-Apr-16 A 18-Apr-16 A	24-Jan-18 A	◆ Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project  Constructon - PS#0198 Compliance Project
PS33380		-	•	24-Jan-18 A 24-Jan-18 A 28-Feb-19 A	

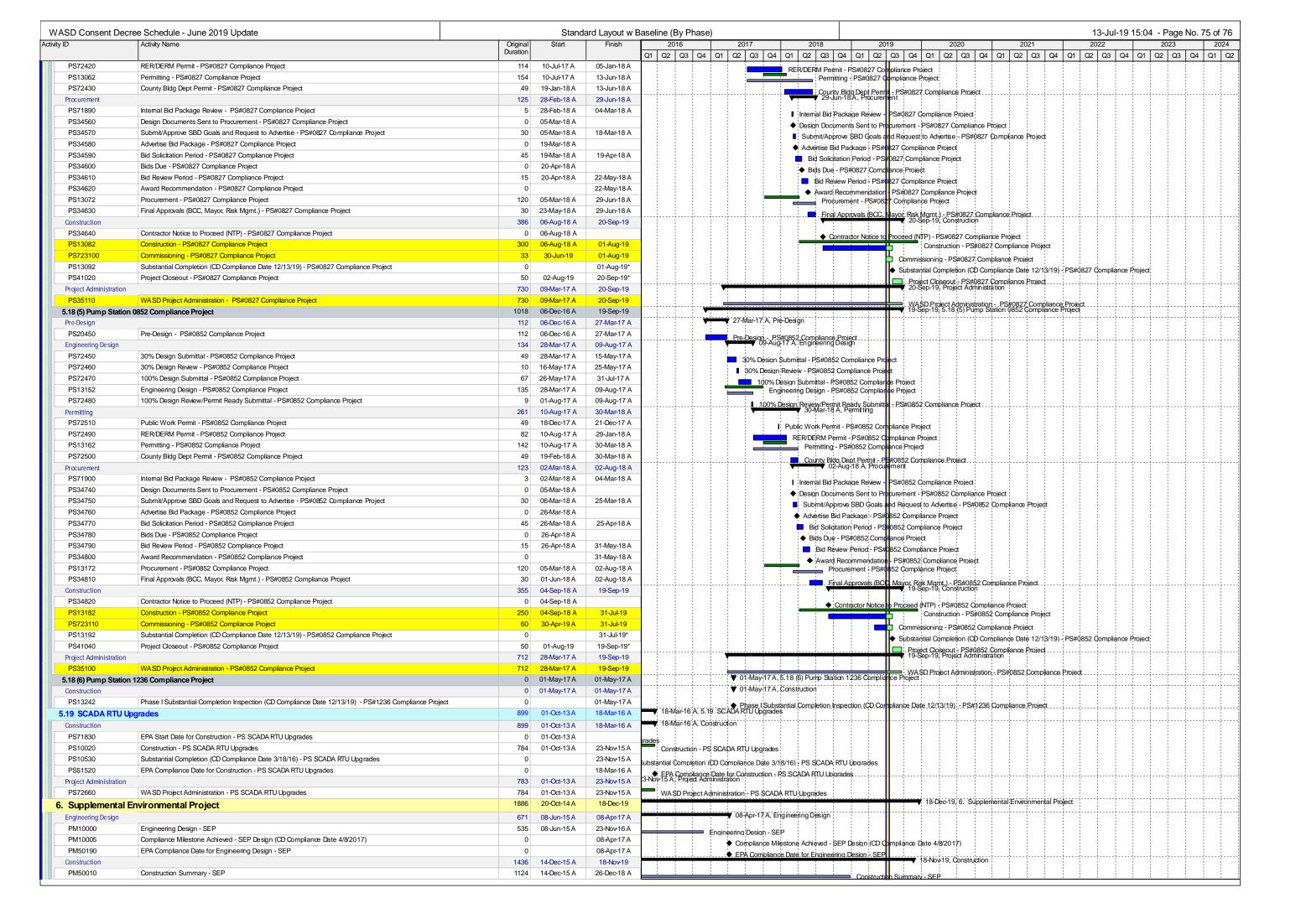
	ree Schedule - June 2019 Update	المعاندة			Baseline (By Phase) 13-Jul-19 15:04 - Page No. 70 of 76
ity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 202 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 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 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
Project Administration		1005	01-May-15 A	28-Feb-19 A	28-Feb 19 A, Project Administration
PS35240	WASD Project Administration - PS#0198 Compliance Project	1005	01-May-15 A	28-Feb-19 A	WASD Project Administration - IPS#04.08 Compliance Project
5.16 (2) Pump Station	No. 0437 Upgrade	1063	03-Nov-14 A	28-Mar-19 A	WASD Project Administration -PS#0198 Compliance Project 28-17 ar-19 A, 5.16 (2) Pump Station No. 043 7 Upgrade
Pre-Design		179	03-Nov-14 A	30-Apr-15 A	re-Design
PS20300	Pre-Design -PS#0437 Upgrade	179	03-Nov-14 A	30-Apr-15 A	#0437 Ungrade.  5 A, Engineering:Design
Engineering De sign		95	01-May-15 A	04-Aug-15 A	<b>□ : : : : : : : : : : : : : : : : : : :</b>
PS12402	Engineering Design - PS#0437 Upgrade	96	01-May-15 A	04-Aug-15 A	eering Design - P\$#0437 Upgrade Oct-15 A, Pérmitting
Permitting PS12412	Permitting - PS#0437 Upgrade	67	10-Aug-15 A	16-Oct-15 A 16-Oct-15 A	
Procurement	Permitting - P5#0437 Opgrade	145	10-Aug-15 A 24-Nov-15 A	17-Apr-16 A	Permitting -:PS#0/437 Upgrade  17-Apr-16 A, Procurement
PS33390	Design Documents Sent to Procurement - PS#0437 Upgrade	0	24-Nov-15 A	17-Api-10-A	
PS33410	Advertise Bid Package - PS#0437 Upgrade	0	09-Dec-15 A		Design Documents Sent to Procurement - PS#0437 Upgrade:
PS33400	Submit/Approve SBD Goals and Request to Advertise - PS#0437 Upgrade	46	24-Nov-15 A	08-Jan-16 A	Advertise Bid Package - PS#0437 Upgrade Submit/Approve SBD Goals and Request to Advertise - PS#0437 Upgrade
PS33420	Bid Solicitation Period - PS#0437 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bid Solicitation Period - PS#0437 Upgrade
PS33430	Bids Due - PS#0437 Upgrade	0	09-Jan-16 A		▶ Bids Due - PS#0437 Upgrade
PS33440	Bid Review Period - PS#0437 Upgrade	12	09-Jan-16 A	20-Jan-16 A	Bid Review Petrod - PS#0437 Upgrade
PS33450	Award Recommendation - PS#0437 Upgrade	0		20-Jan-16 A	→ Award Recommendation - PS#0437 Upgrade
PS33460	Final Approvals - PS#0437 Upgrade	28	21-Jan-16 A	17-Feb-16 A	Final Approvals - P\$#0437 Upgrade
PS50790	P.O. Issued - PS#0437 Upgrade	0	04 No. 45 A	17-Feb-16 A	◆ P.O. Issued -PS#0437 Upgrade
PS12422 Construction	Procurement - PS#0437 Upgrade	146 531	24-Nov-15 A 18-Apr-16 A	17-Apr-16 A 28-Mar-19 A	Procurement - PS#0437 Upgrade  28-War-19 A, Construction
PS33470	Contractor Notice to Proceed (NTP) - PS#0437 Upgrade	531	18-Apr-16 A	Zo-Ividi-19 A	
PS12432	Construction - PS#0437 Upgrade	243	02-May-16 A	30-Dec-16 A	◆ Contractor Notice to Proceed (NTP) - P\$#0437 Upgrade  Constructon - P\$#0437 Upgrade
PS12442	Substantial Completion (CD Compliance Date 12/31/18) - PS#0437 Upgrade	0	,	30-Dec-16 A	◆ Substantial Completion (CD Compliance Date 12/31/18) - PS#0437 Upgrade
PS40890	Project Closeout - PS#0437 Upgrade	274	31-Dec-16 A	28-Mar-19 A	
Project Administration		884	01-May-15 A	28-Mar-19 A	Project Closeout - PS#0437 Upgrade 28-War-19 A, Project Administration
PS35230	WASD Project Administration - PS#0437 Upgrade	884	01-May-15 A	28-Mar-19 A	WASD Project Administration - PS#0437 Upgrade
5.16 (3) Pump Station	0466 Compliance Project	1063	03-Nov-14 A	27-Oct-17 A	V 27 Cut 177, C. 10 (G) unip cuaturi C tale cumplantica i ligida
Pre-Design		264	03-Nov-14 A	24-Jul-15 A	A, Pre-Design
PS20310	Pre-Design - PS#0466 Compliance Project	264	03-Nov-14 A	24-Jul-15 A	n - PS#0466 Compliance Project lct-15 A, Engineering Design
Engineering De sign	E : D : DOWNING O I' D : A	67	27-Jul-15 A	02-Oct-15 A	
PS12452	Engineering Design - PS#0466 Compliance Project	68	27-Jul-15 A	02-Oct-15 A 02-Oct-15 A	neering Design - PS#0466 Compliance Project
Permitting PS12462	Permitting - PS#0466 Compliance Project	1	02-Oct-15 A 02-Oct-15 A	02-Oct-15 A 02-Oct-15 A	<b>↓</b> : : : : : : : : : : : : : : : : : : :
Procurement	Permitting - F-3#0400 Compilance Flojed	115		20-Jun-16 A	Permitting - PS#0/466 Compliance Project
PS33480	Design Documents Sent to Procurement - PS#0466 Compliance Project	0	26-Feb-16 A	20 0011 1071	
PS33490	Submit/Approve SBD Goals and Request to Advertise - PS#0466 Compliance Project	18	26-Feb-16 A	14-Mar-16 A	◆ Design Documents Sent to Procurement - PS#0466 Compliance Project     ■ Submit/Approve SBD Goals and Reguest to Advertise - PS#0466 Compliance Project
PS33500	Advertise Bid Package - PS#0466 Compliance Project	0	15-Mar-16 A		Adveltise Bid Package - PS#0466 Compliance Project
PS33510	Bid Solicitation Period - PS#0466 Compliance Project	32	15-Mar-16 A	15-Apr-16 A	■ Bid Solicitation Period - PS#0466 Compliance Project
PS33520	Bids Due - PS#0466 Compliance Project	0	15-Apr-16 A		♦ Bids Due - PS#0466 Compliance Project
PS33530	Bid Review Period - PS#0466 Compliance Project	8	15-Apr-16 A	22-Apr-16 A	■ Bid Review Period - PS#0466 Compliance Project
PS33540	Award Recommendation - PS#0466 Compliance Project	0	00 5 1 40 4	22-Apr-16 A	Award Recommendation - PS#0466 Compliance Project
PS12472	Procurement - PS#0466 Compliance Project	116	26-Feb-16 A	20-Jun-16 A	Procurement - P\$#0466 Compliance Project
PS33550 PS50810	Final Approvals - P \$\text{S#0466 Compliance Project}  P.O. Issued - P \$\text{S#0466 Compliance Project}	59	23-Apr-16 A 20-Jun-16 A	20-Jun-16 A	Final Approvals - PS#0466 Comptance Project
Construction	F.O. Issued *F 0#0400 Compilative Project	447	11-Jul-16 A	27-Oct-17 A	P.O. Issued - PS#0466 Compliance Project.  ▼ 27-Oct-17 A, Construction
PS33560	Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project	0	11-Jul-16 A	27 000 1770	<b>□</b>
PS12482	Construction - PS#0466 Compliance Project	103	11-Jul-16 A	21-Oct-16 A	◆ Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project  Constructon - PS#0466 Compliance Project
PS12492	Substantial Completion (CD Compliance Date 12/31/18) - PS#0466 Compliance Project	0		21-Oct-16 A	◆ Substantial Completion (CD Compliance Date; 12/31/18) - PS#0466 Compliance Project
PS40900	Project Closeout - PS#0466 Compliance Project	344	22-Oct-16 A	27-Oct-17 A	
Project Administration		797	27-Jul-15 A	27-Oct-17 A	Project Coseout - P\$#0466 Compliance Project  ✓ 27-Oct-17 A, Project Administration
PS35220	WASD Project Administration - PS#0466 Compliance Project	797	27-Jul-15 A	27-Oct-17 A	WASD Project Administration - PS#0466 Compliance Project 31-Jul-19, 5.16 (4) Fump Station 0680 Upgrade
5.16 (4) Pump Station	0680 Upgrade	1063	03-Nov-14 A	31-Jul-19	(4) Pump Station 0680 Upgrade
Pre-Design	Pro Pacian - PS#0690 I lograda	179	03-Nov-14 A	30-Apr-15 A	
PS20320 Engineering Design	Pre-Design - PS#0680 Upgrade	179 95	03-Nov-14 A 01-May-15 A	30-Apr-15 A 04-Aug-15 A	S#0680.Upgrade I5 A Engineering/Design
Engineering Design PS12502	Engineering Design - PS#0680 Upgrade	95	01-May-15 A 01-May-15 A	04-Aug-15 A 04-Aug-15 A	pering Design - PS#0680 Upgrade
Permitting	Eliginocing Beagn 1 6/10000 opgitude	140	10-Aug-15 A	28-Dec-15 A	28-Dec-15 A, Pemitting
PS12512	Permitting - PS#0680 Upgrade	141	10-Aug-15 A	28-Dec-15 A	Permitting:- PS#0680 Upgrade
Procurement		85	24-Nov-15 A	17-Feb-16 A	▼ 17-Feb-16 A, Procurement
PS33570	Design Documents Sent to Procurement - PS#0680 Upgrade	0	24-Nov-15 A		Design Documents' Sent to Procurement - PS#0680 Upgrade:
PS33580	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade	16	24-Nov-15 A	09-Dec-15 A	Submit/Approve SBD Goals and Reguest to Advertise - PS#9680 Upgrade
PS33590	Advertise Bid Package - PS#0680 Upgrade	0	09-Dec-15 A		Advertise Bid Package -PS#0680 Upgrade
PS33600	Bid Solicitation Period - PS#0680 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bid Solicitation Period: - PS#0680 Upgrade
PS33610	Bids Due - PS#0680 Upgrade	0	09-Jan-16 A		▶ Bids Due - PS#0680 Upgrade
PS33620	Bid Review Period - PS#0680 Upgrade	12	09-Jan-16 A	20-Jan-16 A	■ Bid Review Petiod - PS#0680 Uptrade
PS33630	Award Recommendation - PS#0680 Upgrade	0	04 No. 45 *	20-Jan-16 A	♦ Award Recommendation - PS#0680 Upgrade
PS12522	Procurement - PS#0680 Upgrade	86	24-Nov-15 A	17-Feb-16 A	Procurement - PS#0680 Upgrade
PS33640	Final Approvals - PS#0680 Upgrade	28	21-Jan-16 A	17-Feb-16 A	Final Approvals - PS#0680 Updrade
PS50800 Construction	P.O. Issued - PS#0680 Upgrade	531	18-Apr-16 A	17-Feb-16 A 31-Jul-19	. ♠ P.O. Issued -PS#0680 Upgrade
PS33650	Contractor Notice to Proceed (NTP) - PS#0680 Upgrade	531	18-Apr-16 A	31-041-19	
. 000000	Construction - PS#0680 Upgrade	0	18-Apr-16 A	01-Dec-16 A	◆ Contractor Notice to Proceed (NTP) - P\$#0680 Upgrade

	ecree Schedule - June 2019 Update	1 0:: 1		w Baseline (By Phase)	0010					5:04 - Page No.	
ctivity ID	Activity Name	Original St Duration	art Finish	2016 2017 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	2018 2019 Q1 Q2 Q3 Q4 Q1 Q2		020 20		2022	2023	2024
PS12542	Substantial Completion (CD Compliance Date 12/31/18) - PS#0680 Upgrade	0	01-Dec-16	A 1	(CD Compliance Date 12/31/18) - PS#		Q0   Q1   Q2	Q0 Q7 Q1	GZ   GO   GT	21 42 40 4	7 41 42
PS40910	Project Closeout - PS#0680 Upgrade	303 02-De	c-16 A 31-Jul-19		TCD Compliance Date 12/31/18) - F3#	Project Closeout - I 31-Jul-19, Project A	S#0680 Upgrade				
Project Administratio	on	884 01-Ma	y-15 A 31-Jul-1	)							
PS35210	WASD Project Administration - PS#0680 Upgrade	884 01-Ma				. WASD Project Adm	ninistration - PS#0680 Upo	ırade	Unamado of DC#0027	2. 93E4 - 93A0 - 940A	,
	PS#0037, 0351, 0370, 0403	2070 05-O			Solon -			54-5u[1-21, 3.17	opgiage of F3#0037	, 0351, 0370, 0403	
Engineering Design		336 05-O		V 05-Sep-16 A, Engineering De	≋ign						
PS71750 PS10510	EPA Start Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403  Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	0 02 00	t-15 A 05-Sep-16	EPA Start Date for Engineering Design - Upgr							
PS10510 PS51440	EPA Compliance Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	0 05-00	05-Sep-16	1 - 3 - 1 - 3 -	e PS#0037, 0351, 0370, 0403			. ! !			
Permitting	LTA compliance bate for Engineering besign - opgrade 1 0#0007, 0001, 0070, 0400	314 05-Ju		■ EPA COMPILATICE Date Joi Eu	gineering Design - Upgrade PS#0037. Permitting	0351, 0370, 0403		,			
PS71760	EPA Start Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0 06-Se						. ! !			
PS10620	Permitting - Upgrade PS#0037, 0351, 0370, 0403	257 05-Ju			i - Upgrade P\$#0037, 0351, 0370, 040 ograde P\$#0037, 0351, 0370, 0403	1					
PS51450	EPA Compliance Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0	15-Apr-17		T	037 0351 0370 040	3				
Procurement		173 23-No	v-16 A 15-May-17	A √ 15-May-17 A	nce Date for Permitting - Upgrade PS#0 1. Procurement						
PS71770	EPA Start Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403	0 29-De			ocurement - Upgrade PS#0037, 0351,	0370, 0403					
PS10690	Procurement - Upgrade PS#0037, 0351, 0370, 0403	164 23-No			ıt - Upgrade PS#0037, 0351, 0370, 04 <mark>0</mark>	3		. ! !			
PS51460	EPA Compliance Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403	0	15-May-17	EPA.COMDU	ance Date for Procurement - Upgrade F	S#0037, 0351, 0370,	0.403		<u> </u>		
Construction PS71780	EDA Start Data for Construction, Libertude DC#0027, 0254, 0270, 0402	628 12-Ap		A	\$ 301.001.07	Constitution		.			
PS10720	EPA Start Date for Construction - Upgrade PS#0037, 0351, 0370, 0403  Construction - Upgrade PS#0037, 0351, 0370, 0403	- 10	r-17 A 30-Apr-18		ate for Construction - Upgrade PS#003	7, 0351, 0370, 0403 Upgrade PS#0037, 0	251 0270 0402				
PS10750	Substantial Completion (CD Compliance Date 11/20/18) - Upgrade PS#0037, 0351, 0370, 0403	0	30-Apr-18		<del>                                     </del>						
PS51470	EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0	30-Nov-18		◆ Substantial Completion (CD						
	ion 0037 Compliance Project	978 05-O		9	TEPA Complia	30-Aug-19, 5.17	ion - Upgrade PS#0037, ( (1) Pump Station 0037 Co	mpliance Project			
Pre-Design		69 31-Ja	n-16 A 08-Apr-16	A 08-Apr-16 A, Pre-Design					1		
PS20330	Negotiate Design Scope & Fee - PS#0037 Compliance Project	69 31-Ja	n-16 A 08-Apr-16	A Negotiate Design Scope & Fee - PS#0 15-Aug-16 A; Engineering Des	037 Compliance Project						
Engineering Design		315 05-O	t-15 A 15-Aug-16	A 15-Aug-16 A, Engineering Des	ign						
PS35020	Site Selection - PS#0037 Compliance Project	2 23-No		pite Selection - PS#0037, Compliance Project							
PS35010	Preliminary Engineering/Site Assessment Report -PS#0037 Complance Project	79 05-O		Prelifilinary Englineering/Site Assessment; Rep	ort - PS#0037 Compliance Project			. ! !			
PS35030	Land Acquisition - PS#0037 Compliance Project	98 24-No		Land Acquisition - PS#003/ Compliance i							
PS50480 PS50490	30% Design Submittal - PS#0037 Compliance Project  30% Design Review - PS#0037 Compliance Project	53 12-Ap		30% Design Submittal - PS#0037 C							
PS50500	90% Design Nubmittal - PS#0037 Compliance Project	56 11-Ju		30% Design Review - P5#0037 Co				. ! !			
PS12552	Engineering Design - PS#0037 Compliance Project	316 05-O		90% Design Submittal - PS#00				. ! !			
PS41180	90% Design Review - PS#0037 Compliance Project	10 06-Au		12.1gg 200.g 1 9.700.							
Permitting		255 05-Ju			ntting						
PS41700	Site Plan Approval - PS#0037 Compliance Project	103 05-Ju	n-16 A 15-Sep-16	A Site Plan Approval - PS#0 03	7 Compliance Project						
PS41730	FDOT Utility Permit - PS#0037 Compliance Project	20 14-00	t-16 A 02-Nov-16								
PS41710	RER DERM Permit - PS#0037 Compliance Project	108 16-Au	g-16 A 01-Dec-16	A   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5#0037 Compliance Project						
PS41740	City Of Miami Public Works Permit - PS#0037 Compliance Project	51 24-0		City Of Marin Public W	/orks Permit - PS#0037 Compliance Pr	pject					
PS12562	Permitting - PS#0037 Compliance Project	256 05-Ju			S#0037 Compliance Project						
PS41720	City Of Miami Building Dept Permit - PS#0037 Compliance Project	115 24-O		- Oly Olymani Bull	ding Dept Permit - PS#0037 Compliano Procurement	e Project	÷		÷		
Procurement PS33660	Design Documents Sent to Procurement - PS#0037 Compliance Project	140 23-No	· ·		1 1 1 1 1 1 1						
PS33670	Submit/Approve SBD Goals and Request to Advertise - PS#0037 Compliance Project	63 23-No		^ I	t to Procurement - PS#0037 Compliant	i i i					
PS33680	Advertise Bid Package - PS#0037 Compliance Project	0 25-Ja	n-17 A		D Goals and Request to Advertise - PS age - PS#0037 Compliance Project	70037 Compliance Pro	pject				
PS33690	Bid Solicitation Period - PS#0037 Compliance Project	40 25-Ja	n-17 A 05-Mar-17	A	eriod - PS#0037 Compliance Project						
PS33700	Bids Due - PS#0037 Compliance Project	0 06-Ma	r-17 A		037 Compliance Project						
PS33710	Bid Review Period - PS#0037 Compliance Project	12 06-Ma		A Bid Review Perio	od - PS#0037 Compliance Project						
PS33720	Award Recommendation - PS#0037 Compliance Project	0	17-Mar-17	Award Recomm	endation - PS#0037 Compliance Proje	t l					
PS12572	Procurement - PS#0037 Compliance Project	141 23-No	· ·		t - PS#0037 Compliance Project						
PS33730 PS72560	Final Approvals - PS#0037 Compliance Project  P.O. Issued - PS#0037 Compliance Project	26 18-Ma	r-17 A 12-Apr-17 12-Apr-17	A Final Apploval	s-PS#0037 Compliance Project			. ! !			
Construction	1.2. Based - Lamour Compileme Froject	396 09-Ma	· ·	P.O. Issued - F	2S#0037 Compliance Project	30-Aug-19, Cons	truction		<del> </del>		
PS33740	Contractor Notice to Proceed (NTP) - PS#0037 Compliance Project	0 09-Ma			lotice to Proceed (NTP) - PS#0037 Com						
PS12582	Milestone I Construction of PS and FM - PS#0037 Compliance Project	210 09-Ma					FM - PS#0037 Compliance	e Project			
PS12592	Milestone I Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0037 Compliance Project	0	14-Nov-17	Α	Milestone I Substantial Completion of F	S and FM (CD Compl	iance Date 11/20/18) - PS	#0037 Complianc	e Project		
PS72010	Phase II Substantial Completion (Non-Consent Decree) - PS#0037 Compliance Project	0	27-Apr-18		◆ Phase II Substantial Comple	1 1 1			G T TOTOGE		
PS40920	Project Closeout - PS#0037 Compliance Project	40 28-Ap	r-18 A 30-Aug-1	<del>)*</del>			- PS#0037 Compliance P ct Admin istration		<u> </u>		
Project Administratio		832 05-O				→ 30-Aug-19, Proje	ct Administration				
PS35200	WASD Project Administration - PS#0037 Compliance Project	832 05-O				WASD Project Ac	dministration - PS#0037 Ω ation No. 0351 Upgrade	ompliance.Project			
5.17 (2) Pump Stati Pre-Design	ion No. 0351 Upgrade	797 15-Ja 89 15-Ja	n-16 A 31-Jan-19 n-16 A 12-Apr-16		- <del></del>	, ç (4) i unp ote		,			
PS20340	Pre-Design - PS#0351 Upgrade	89 15-Ja 89 15-Ja	· ·								
Engineering Design			r-16 A 15-Aug-16	Pie-Design - Ps#033 Lubdiade :	iign				<del>     </del>		
PS50510	30% Design Submittal - PS#0351 Upgrade	53 12-Ap									
PS50520	30% Design Review - PS#0351 Upgrade	7 04-Ju		30% Design; Submittai - PS#0351 C							
PS50530	90% Design Submittal - PS#0351 Upgrade	56 11-Ju	n-16 A 05-Aug-16								
PS12602	Engineering Design - PS#0351 Upgrade	126 12-Ap	r-16 A 15-Aug-16								
PS50540	90% Design Review - PS#0351 Upgrade	10 06-Au		90% Design Review - F3#033	1.Upgrade		ļļļ		ļļļļ		
Permitting		196 15-Au	-		mrung						
PS41750	RER DERM Permit - PS#0351 Upgrade		g-16 A 06-Dec-16	RER DERIVI Pelmit - P							
PS12612 PS41760	Permitting - PS#0351 Upgrade  Municipal PW Permit - PS#0351 Upgrade	197 15-Au 127 24-O	-	A	S#0351 Upgrade						
	I MUDINGDALE VV. ERITHIL - E 3#USS L. UUUTAUR	127   24-00	נ-וס∧   ∠/-FeD-1/		ermit - PS#0351 Upgrade	1 1 1		. 1	A CONTRACTOR OF THE SECOND		1 1

ID Consent De	ecree Schedule - June 2019 Update	Original		Finish	aseline (By Phase) 13-Jul-19 15:04 - Page No. 72   2016   2017   2018   2019   2020   2021   2022   2023
טוי	Activity Name	Original Duration	Start		2016
PS41780	City of Miami Gardens Building Dept Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A	City of Miamii Gardens Building Dept Permit - PS#0351 Upgrade
PS50760	MDDTPW Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A	MDTPW Permit - PS#0351 Upgrade  MDTPW Permit - PS#0351 Upgrade  O5-May-17 A, Procurement
Procurement		163	23-Nov-16 A	05-May-17 A	05-May-17 A, Procurement
PS33750	Design Documents Sent to Procurement - PS#0351 Upgrade	0	23-Nov-16 A		◆ Design Documents Sent to Procurement - PS#0351 Upgrade
PS33760	Submit/Approve SBD Goals and Request to Advertise - PS#0351 Upgrade	70	23-Nov-16 A	31-Jan-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0351 Upgrade
PS33770	Advertise Bid Package - PS#0351 Upgrade	0	01-Feb-17 A		♦ Advertisle Bid Package - PS#0351 Upgrade
PS33780	Bid Solicitation Period - PS#0351 Upgrade	36	01-Feb-17 A	08-Mar-17 A	■ Bid Solicitation Period - PS#0351 Upgrade
PS33790	Bids Due - PS#0351 Upgrade	0	09-Mar-17 A		◆ Bids Due - PS#0351 Upgrade
PS33800	Bid Review Period - PS#0351 Upgrade	13	09-Mar-17 A	21-Mar-17 A	■ Bid Review, Period - PS#0351 Upgrade
PS33810	Award Recommendation - PS#0351 Upgrade	0		21-Mar-17 A	♦ Award Recommendation - P\$#035/I Upgrade
PS12622	Procurement - PS#0351 Upgrade	164	23-Nov-16 A	05-May-17 A	Procurément - PS#0351 Upgraéle
PS33820	Final Approvals - PS#0351 Upgrade	45	22-Mar-17 A	05-May-17 A	■ Final Approvals - PS#0351 Upgrade
PS72570	P.O. Issued - PS#0351 Upgrade	0		05-May-17 A	◆ P/O. Issiled - PS#0351 Upgrade
Construction		321	05-May-17 A	31-Jan-19 A	▼ 31-Jan- PA, Construction
PS33830	Contractor Notice to Proceed (NTP) - PS#0351 Upgrade	0	05-May-17 A		◆ Contractor Notice to Proceed (NTP) - PS#03\$1 Upgrade
PS12632	Construction - PS#0351 Upgrade	180	05-May-17 A	01-Dec-17 A	Construction PS#0351 Upgrade
PS12642	Substantial Completion (CD Compliance Date 11/20/18) - PS#0351 Upgrade	0		01-Dec-17 A	◆ Substantial Completion (CD Compliance Date 11/20/18) - PS#0351 Upgrade
PS40930	Project Closeout - PS#0351 Upgrade	50	01-Dec-17 A	31-Jan-19 A	Project Coseout - PS#0351 Upgrade  31-Jan-BA, Project Administration
Project Administration		668	12-Apr-16 A	31-Jan-19 A	▼ 31-Jan- BA, Project Administration
PS35190	WASD Project Administration - PS#0351 Upgrade	668	12-Apr-16 A	31-Jan-19 A	WASD Project Administration - PS#0351, Upgrade
5.17 (2.1) Pump Sta	ation 0351 FM Replacement	1009	16-Jul-18 A	04-Jun-21	▼ 04-Jun-21, 5.17 (2.1) Pump Station 0351 FM Replacement
Pre-Design		90	16-Jul-18 A	01-Jul-19	01-Jul-19,,Pre-Design
PS723500	Pre-Design - PS#0351 FM Replacement	90	16-Jul-18 A	01-Jul-19	Pre-Design - PS#0351 FM Replacement 13-Sep-19, Engineering Design
Engineering Design		74	02-Jul-19	13-Sep-19	13-Sep-19, Engirteering Design
PS723510	30% Design Submittal - PS#0351 FM Replacement	30	02-Jul-19	31-Jul-19	30% Design Submittal - P\$#0351 FM Replacement
PS723520	30% Design Review - PS#0351 FM Replacement	7	01-Aug-19	07-Aug-19	■ 30% Design Review - PS#0351 FM Replacement
PS723530	90% Design Submittal - PS#0351 FM Replacement	30	08-Aug-19	06-Sep-19	90% Design Submittal - PS#0351 FM Replacement
PS723540	Engineering Design - PS#0351 FM Replacement	74	02-Jul-19	13-Sep-19	□ Engineering Design - P\$#0351 FM Replacement
PS723550	90% Design Review - PS#0351 FM Replacement	7	07-Sep-19	13-Sep-19	I. 90% Design Review - P\$#0351 FM Replacement 11-Mar-20, Permitting
Permitting		180	14-Sep-19	11-Mar-20	11-Mar-20, Permitting
PS723570	Permitting - PS#0351 FM Replacement	180	14-Sep-19	11-Mar-20	Permitting: PS#0351 FM Replacement 07-Sep-20, Procurement
Procurement		180	12-Mar-20	07-Sep-20	707-Sep-20, Procurement
PS723610	Design Documents Sent to Procurement - PS#0351 FM Replacement	0	12-Mar-20		◆ Design Documents Sent to Procurement -PS#0351 FM Replacement
PS723620	Submit/Approve SBD Goals and Request to Advertise - PS#0351 FM Replacement	60	12-Mar-20	10-May-20	Submit/Approve SBD Goals and Request to Advertise - PS#0351 FM Replacement
PS723630	Advertise Bid Package - PS#0351 FM Replacement	0	11-May-20		◆ Advertise Bid Package - PS#0351 FM Replacement
PS723640	Bid Solicitation Period - PS#0351 FM Replacement	45	11-May-20	24-Jun-20	□ Bid Solicitation Period - PS#0351 FM Replacement
PS723650	Bids Due - PS#0351 FM Replacement	0	25-Jun-20	The state of the s	♦ Bids Due - PS#0351 FM Replacement
PS723660	Bid Review Period - PS#0351 FM Replacement	30	25-Jun-20	24-Jul-20	☐ Bid Review Pelriod - PS#0351 FM Replacement
PS723670	Award Recommendation - PS#0351 FM Replacement	0		24-Jul-20	◆ Award Recommendation - PS#0351 FM Replacement
PS723680	Procurement - PS#0351 FM Replacement	180	12-Mar-20	07-Sep-20	Procurement - PS#0351 FM Replacement
PS723690	Final Approvals - PS#0351 FM Replacement	45	25-Jul-20	07-Sep-20	☐ Final Approvals - PS#0.351 FM Replacement
PS723700	P.O. Issued - PS#0351 FM Replacement	0		07-Sep-20	◆ P.O. Issued - PS#0351 FM Replacement.  O4-Jun-21, Construction
Construction		270	08-Sep-20	04-Jun-21	V 04-Jun-21, Construction
PS723710	Contractor Notice to Proceed (NTP) - PS#0351 FM Replacement	0	08-Sep-20		◆ Contractor Notice to Proceed (NTP) - PS#0351 FM Replacement
PS723720	Construction - PS#0351 FM Replacement	180	08-Sep-20	06-Mar-21	Construction - PS#0351 FM Replacement
PS723750	Commissioning- PS#0351 FM Replacement	30	05-Feb-21	06-Mar-21	Commissioning-PS#0351 FM:Replacement
PS723730	Substantial Completion (Non-Consent Decree) - PS#0351 FM Replacement	0		06-Mar-21	◆ Substantial Completion (Non-Consent Decree) - PS#0351 FM Replace
PS723740	Project Closeout - PS#0351 FM Replacement	90	07-Mar-21	04-Jun-21	
5.17 (3) Pump Statio	on No. 0370 Upgrade and Installation of FM	856	16-Dec-15 A	31-Jan-19 A	Project Closeout ∴PS#0351 FM Replacement
Pre-Design		118	16-Dec-15 A	11-Apr-16 A	11-Apr-16 A, Pre-Design
PS20360	Pre-Design - PS#0370 Upgrade and FM Installation	118	16-Dec-15 A	11-Apr-16 A	Pre-Design - PS#0370 Upgrade and FM Installation
Engineering Design		134	12-Apr-16 A	23-Aug-16 A	Pre-Design - PS#0370 Upgrade and FM Installation. 23-Aug-16 A; Engineering Design
PS50550	30% Design Submittal - PS#0370 Upgrade and FM Installation	49	12-Apr-16 A	30-May-16 A	30% Design Submittal - PS#0370 Upgrade and FM Installation
PS50560	30% Design Review - PS#0370 Upgrade and FM Installation	18	31-May-16 A	17-Jun-16 A	30% Design Review - PS#0370 Upgrade and FM Installation
PS50570	90% Design Submittal - PS#0370 Upgrade and FM Installation	35	18-Jun-16 A	22-Jul-16 A	90% Design Submittal - PS#0370 Upgrade and FM Installation
PS12702	Engineering Design - PS#0370 Upgrade and FM Installation	134	12-Apr-16 A	23-Aug-16 A	Engineering Design - PS#0370 Upgrade and FM Installation
PS50580	90% Design Review - PS#0370 Upgrade and FM Installation	32	23-Jul-16 A	23-Aug-16 A	90% Design Review - PS#0370 Upgrade and FM Installation
Permitting		176	24-Aug-16 A	15-Feb-17 A	90% Design Review - PS#0370 Upgrade and FM Installation 15-Feb-17 A; Permitting
PS50590	RER DERM Permit - PS#0370 Upgrade and FM Installation	105	24-Aug-16 A	06-Dec-16 A	RER DERM, Permit - PS#0370 Upgrade and FM Installation
PS50750	Municipal PWD Permit - PS#0370 Upgrade and FM Installation	9	08-Dec-16 A	16-Dec-16 A	Municipal PWD Permit - PS#0370 Upgrade and FM Installation
PS50730	City of Miami Gardens Building Dept. Permit - PS#0370 Upgrade and FM Installation	47	08-Dec-16 A	23-Jan-17 A	City of Miami Gardens Building Dept. Permit + PS#0370 Upgrade and FM Installation
PS12712	Permitting - PS#0370 Upgrade and FM Installation	176	24-Aug-16 A	15-Feb-17 A	Permitting - PS#0370 Upgrade and FM Installation
PS50740	MDDTPW Permit - PS#0370 Upgrade and FM Installation	70	08-Dec-16 A	15-Feb-17 A	
Procurement		135	23-Nov-16 A	06-Apr-17 A	MDDTPW. Permit - PS#0370.Upgrade and FM Installation 06-Apr-17.A, Proculement
PS33930	Design Documents Sent to Procurement - PS#0370 Upgrade and FM Installation	0	23-Nov-16 A		♦ Design Documents Sent to Procurement - PS#0370 Upgrade and FM Installation
PS33940	Submit/Approve SBD Goals and Request to Advertise - PS#0370 Upgrade and FM Installation	71	23-Nov-16 A	01-Feb-17 A	□ Submit/Approve SBD Goals and Request to Advertise - PS#0370 Updrade and FM Installation
PS33950	Advertise Bid Package - PS#0370 Upgrade and FM Installation	0	02-Feb-17 A		Submit/Approve SBD Goals and Request to Adventse - PS#03/0 Upgrade and FM Installation  ◆ Advertise Bid Package - PS#03/0 Upgrade and FM Installation
PS33960	Bid Solicitation Period - PS#0370 Upgrade and FM Installation	36	02-Feb-17 A	09-Mar-17 A	_ i
	Bids Due - PS#0370 Upgrade and FM Installation	0	10-Mar-17 A		■ Bid Solicitation Périod - PS#0370 Upgrade and FM Installation
PS33970		7	10-Mar-17 A	16-Mar-17 A	◆ Bids Due - PS#0370 Upgrade;and FM Installation  ■ Bid Review Period - PS#0370 Upgrade and FM Installation
PS33970 PS33980	bid Review Period - P5#0370 Opgrade and Fivi Installation				THE BIO REVIEW OF PORT AND ADDITIONATE AND ENVIRONMENT OF THE PORT
	Bid Review Period - PS#0370 Upgrade and FM Installation  Award Recommendation - PS#0370 Upgrade and FM Installation	0	10 mai 11 71	16-Mar-17 A	
PS33980	Award Recommendation - PS#0370 Upgrade and FM Installation  Procurement - PS#0370 Upgrade and FM Installation	0	23-Nov-16 A	16-Mar-17 A 06-Apr-17 A	Awald Recommendation - P\$#0370 Upgrade and FM Installation Procurement - P\$#0370 Upgrade and FM Installation







D	Activity Name	Original	Start	Finish	2016	2017		201			019	2020 2021	2022	2023	
DM40045	Outstantial Completion OFD Construction (OD Court France D. 1, 1/10/10)	Duration		20 Dec 10 1	Q1 Q2 Q3 Q4	Q1 Q2 Q	3 Q4 Q	1 Q2			<u> </u>	4 Q1 Q2 Q3 Q4 Q1 Q2 Q3		Q1 Q2 Q3 Q4	Q4
PM10015 PM50200	Substantial Completion - SEP Construction (CD Compliance Date 11/18/19)	0		26-Dec-18 A	-				•	Substant		tion - SEP Construction (CD Compliance Date			
	EPA Compliance Date for Construction Summary - SEP	1886	20-Oct-14 A	18-Nov-19* 18-Dec-19						<del>!!</del>		► EPA Compliance Date for Construction Sur 18-Dec-19, 6.0 Supplemental Environment	mary - SEP ntal Project (SEP)		
• •	nvironmental Project (SEP)	230	20-Oct-14 A	07-Jun-15 A	, Pre-Design					ļļ					
-Design V110190	Pre-Design - SEP	231	20-Oct-14 A	07-Jun-15 A	1				- 1						
gineering Design	rie-besign - SEr	534	08-Jun-15 A	23-Nov-16 A	SEP	3-Nov-16 A , En	gineering D	esign		<del>  </del>					
M20000	Basis of Design Report (BODR) - SEP	99	08-Jun-15 A	14-Sep-15 A	1										
M20010	BODR Review Period - SEP	53	15-Sep-15 A	06-Nov-15 A	of Design Report (BODR										
M21111	Negotiate Scope & Fee for Balance of Design - SEP	173	· · · · · · · · · · · · · · · · · · ·	16-Feb-16 A	DDR Review Period - SE	- : :		_1_							
PM20020	30% Design Submittal - SEP	136	17-Feb-16 A	01-Jul-16 A	Negotiate Scope &	1 1	1 1	-SEP							
PM20030	30% Design Review - SEP	17		18-Jul-16 A	30% Desig	i i	i i								
PM20040	60% Design Submittal - SEP	60	19-Jul-16 A	16-Sep-16 A	1 : 5 : :	gn Review - SE	1 1								
PM20050	60% Design Review - SEP	7		23-Sep-16 A	1 1 1 1	Design Submitta	1 1								i
PM50360	Engineering Design - SEP	535	08-Jun-15 A	23-Nov-16 A	1 1 1 1 1	Design Review	i i								
PM20060	100% Design Submittal - SEP	61	24-Sep-16 A	23-Nov-16 A		naineerina Des		-Б							
ermitting		301	23-Nov-16 A	19-Sep-17 A		00% Design Su	▼ 19-Sep-	17 A, Perr	mitting	† <u> </u>	-		·		
PM50170	FDOT Permit - SEP	97	23-Nov-16 A	27-Feb-17 A	1	FDOT Per	mit - SEP								
PM50150	RER (DERM) Permit - SEP	106	13-Jan-17 A	28-Apr-17 A	1	i i	DERM) Perr	mit - SEP							
PM50160	MDDTPW Permit - SEP	106	13-Jan-17 A	28-Apr-17 A			PW Permit	1			1				
PM50390	MDC Fire-Derm Permit - SEP	60	19-Jun-17 A	17-Aug-17 A	]	<del></del>	MDC Fire-	7	; nit - SEP		1				
PM10170	Permitting - SEP	301	23-Nov-16 A	19-Sep-17 A		1 1	■ Permittir	- 1 1	T						
PM50400	FDOH Permit - SEP	33	18-Aug-17 A	19-Sep-17 A			FDOH P	771	Р	<u> </u>					
Procurement		606	01-Nov-16 A	29-Nov-17 A			29-	-Nov-17 A,	Procureme	ent					
PM50420	GMOU submittal and approval - SEP	22	08-Jun-17 A	29-Jun-17 A		■ G	MOU submi	ittal and ar	oproval - SI	P					
PM50210	Internal Bid Package Review - SEP	15		25-Jul-17 A			Internal Bid	Package	Review - SI	ĒΡ					
PM35010	Design Documents Sent to Procurement - SEP	0	26-Jul-17 A			•	Design Doc	uments Se	ent to Proc	urement - S	SE <mark>P</mark>				
PM35020	Request to Advertise - SEP	27		21-Aug-17 A		•	Request to	o Advertis	e - SÉP						
PM35030	Advertise Bid Package - SEP	0			_	4	Advertise	Bid Packa	ge - \$EP						
PM50430	39th Street Construction Easement - SEP	606		03-Oct-17 A	]		39th St	treet Cons	truction Ea	sement - SI	E <mark>P</mark>				
PM35040	Bid Solicitation Period - SEP	58	22-Aug-17 A	18-Oct-17 A		1	Bid So								
PM35050	Bids Due - SEP	0					◆ Bids D	Due - SEP							
PM35060	Bid Review Period - SEP	19	19-Oct-17 A	25-Oct-17 A			■ Bid R	eview Peri	od - \$EP						
PM35070	Award Recommendation - SEP	0		25-Oct-17 A			◆ Awar	d Recomm	nendation -	SEP					
PM10180	Procurement - SEP	134	26-Jul-17 A	29-Nov-17 A	4		Pro	ocurement	- SEP						
PM35080	Final Approvals (BCC, Mayor, Risk Mgmt.) - SEP	30	26-Oct-17 A	29-Nov-17 A			Fin:	al Approva	ıls (BCC, M	lavor, Risk N	Л <mark>а</mark> mt.) - SE	P			
PM50140	P.O. Issued - SEP	0		29-Nov-17 A				O. Issued	SEP	<u> </u>		■ 18-Dec-19, Construction	ļļļļļļ.		
Construction	Controdor Nation to Dragged (NTD) CCD	718		18-Dec-19								To-Dec-19, Constitution			
PM35090 PM50560	Contractor Notice to Proceed (NTP) - SEP	365	18-Dec-17 A 18-Dec-17 A	17-Dec-18 A	-		<b>♦</b> Co	ontractor N	i	oceed (NTF					
PM10010	Construction - SEP Water Supply Line (Non-Consent Decree)  Construction - SEP	365	18-Dec-17 A	26-Dec-18 A	-		-	: :	:	1 1		Vater Supply Line (Non-Consent Decree)			
PM50570	Commissioning - SEP	60		26-Dec-18 A	-		-		_	i i	ti <mark>o</mark> n - SEP				
PM50410	Substantial Completion (CD Compliance Date 11/18/19) - SEP	0	27-001-10 A	26-Dec-18 A	1					Commiss					
PM50110	Project Closeout - SEP		27-Dec-18 A	30-Aug-19*	-				•	Substant		tion (CD Compliance Date 11/18/19) - SEP			
PM10160	SEP Completion Report to EPA	30	19-Nov-19	18-Dec-19*	-			-		; ;		ied Closeout - SEP			
Project Administration	GET COMPONENT ROPORT OF ETT		08-Jun-15 A	30-Aug-19						<u> </u>	30-	SEP Completion Report to EPA Aug-19, Project Administration	<u> </u>		
PM50100	WASD Project Administration - SEP		08-Jun-15 A	30-Aug-19	<u> </u>		1 1	1 1	- 1	<u> </u>					
1 SEP (Early Phas	· ·	848		01-May-17 A	1 1 1	▼ 01-Ma	17A, 6.1	SEP (Earl	yPhase W	(ork)		ASD Project Administration - SEP	<u> </u>		
Engineering Design	<del></del>		09-Jun-15 A	20-Jul-15 A	A, Engineering Design					<del></del>					
PM30000	Design - Early Phase SEP	42		20-Jul-15 A	Endy Phone SER										
Permitting		3	21-Jul-15 A	23-Jul-15 A	Early Phase SEP A, Permitting					† <u>-</u>	-		· · · · · · · · · · · · · · · · · · ·		
PM30010	Permitting - Early Phase SEP	3	21-Jul-15 A	23-Jul-15 A	n - Farly Phase SEP										
Procurement		95	08-Sep-15 A	11-Dec-15 A	1 - Early Phase SEP 11-Dec-15 A, Procureme	nt	1			1	-				
PM35100	Design Documents Sent to Procurement - Early Phase SEP	0	08-Sep-15 A		n Documents Sent to Pro	curement - Ear	; v Phase SE	ĒP							
PM35110	Submit/Approve SBD Goals and Request to Advertise - Early Phase SEP	21	08-Sep-15 A	28-Sep-15 A	nit/Approve SBD Goals a	nd Request to	Advertise - E	Early Phase	e SEP						
PM35120	Advertise Bid Package - Early Phase SEP	0	28-Sep-15 A		rtise Bid Package - Early	Phase SEP									
PM35130	Bid Solicitation Period - Early Phase SEP	23		20-Oct-15 A	Solicitation Period - Earl	Phase SEP		-							
PM35140	Bids Due - Early Phase SEP	0	21-Oct-15 A		s Due - Early Phase SEF										
PM35150	Bid Review Period - Early Phase SEP	9	21-Oct-15 A	29-Oct-15 A	I Review Period - Early P	nase SEP					1				
PM35160	Award Recommendation - Early Phase SEP	0		29-Oct-15 A	vard Recommendation -	Early Phase SE	Р				1				
PM35170	Final Approvals (BCC, Mayor, Risk Mgmt.) - Early Phase SEP	18	30-Oct-15 A	16-Nov-15 A	inal Approvals (BCC, Ma	or, Risk Mamt.)	- Early Pha	se SEP							
PM50180	P.O. Issued - Early Phase SEP	0		16-Nov-15 A	O. Issued - Early Phase	1 1					1				
PM30020	Procurement - Contractor Bid & Award - Early Phase SEP	95		11-Dec-15 A	Procurement - Contracto	1 1	Early Phase	e SEP		<u> </u>	. <mark>[</mark> ]				
Construction		660		01-May-17 A		01-Ma	ıy-17A, Cor	nstruction							
PM35180	Contractor Notice to Proceed (NTP) - Early Phase SEP	0		40 * '5'	Contractor Notice to Pro			SEP	i		1				
PM30030	Construction - Early Phase SEP	247	14-Dec-15 A	16-Aug-16 A	Constru	ction - Early Ph	ase SEP				1				
PM50120	Project Closeout - Early Phase SEP	413		01-May-17 A		Project	t Closeout y-17 A , Pro	- Early Pha	se SEP	ļļ	- <mark></mark>		ļļļļļ.		
Project Administration	WASD Project Administration Foot - Ph CFD	848		01-May-17 A	-	→ U 1-1VI2	,y-17 A, P10	Jea Marrill	iiotiațiUN		1				
PM50090	WASD Project Administration - Early Phase SEP	848	09-Jun-15 A	01-May-17 A		WASI	Project Ad	dministratio	n - Farly P	hase SEP	1			1 1 1	- 1

### Appendix C CMOM Program: Financial Analysis Program Report

#### MIAMI-DADE WATER AND SEWER DEPARTMENT

Consolidated Financial Projection - Wastewater Systems (\$000) Fiscal Year Actuals Year to Date (October - March 2019) (On an accrual basis)

#### **Audited**

In Thousands Oct-Sep Oct-Mar

Wastewater System	FY 17-18	FY 18-19
	Actual	YTD Actual
Revenues:		
Wastewater System Operating Revenues	\$388,105	\$191,648
Interest Income	\$5,603	\$6,804
Other Adjustments (net change accruals&payables)	\$0	\$0
Transferred From WASD Water Operations (occurs at Year-end flow of funds)	\$71,867	\$0
Total Revenues:	\$465,575	\$198,452
Expenditures:		
Wastewater System Operating & Maintenance Expenditures	(\$248,936)	(\$121,079)
Debt Service - Existing (net of Swap receipts)	(\$143,498)	(\$99,630)
Operating Revenues Transferred To Wastewater Renewal & Replacement Capital Fund	(\$50,000)	\$0
Operating Revenues Transferred To Bond Required Reserve	(\$3,758)	\$0
Transferred To WASD Water Operations	\$0	\$0
Total Expenditures Operating and Non-Operating	(\$446,192)	(\$220,709)
Net Overage/(Deficit) in Wastewater System Revenues (pending transfer from water)*	\$19,383	(\$22,257)
% Increase for Net Deficit	0.00%	0.00%

<sup>\*</sup> 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.

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

Reserve Required By Bond Ordinance Water and Wastewater	\$74,199	\$78,099
Water and Wastewater Rate Stabilization Fund Balance	\$30,534	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$57,563	\$65,676
Water and Wastewater Systems Transfer to/(from) General Reserve	\$8,113	\$0
Water and Sewer General Reserve Fund Ending Balance	\$65,676	\$65,676

#### Miami-Dade Water and Sewer Department Statement of Revenues, Expenses and Changes in Net Position WASTEWATER - Wastewater Funds For 6 Months Ending March 31, 2019

Report Id: WGLZ11B Run on: 04/15/19 08:31 AM Source: GL

		Unaudited			
		FY 2019	Variance	FY 20	018 Variance
	Actual	Budget	Fav/(Unfav)	Actual	Fav/(Unfav)
OPERATING REVENUES					
Retail Water	-	-	-	-	-
Retail Wastewater	150,945,056.91	153,935,502.00	(2,990,445.09)	140,857,034.00	10,088,022.91
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	33,698,285.98	38,683,140.00	(4,984,854.02)	33,271,339.94	426,946.04
Other Revenues	7,014,903.61	6,674,979.00	339,924.61	6,774,962.39	239,941.22
TOTAL OPERATING REVENUES	191,658,246.50	199,293,621.00	(7,635,374.50)	180,903,336.33	10,754,910.17
OPERATING & MAINTENANCE EXPENSES					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	15,605,093.85	17,145,246.78	1,540,152.93	15,198,879.91	(406,213.94)
Sewer Pumping	22,952,874.43	21,010,500.42	(1,942,374.01)	21,562,370.03	(1,390,504.40)
Sewer Treatment and Disposal	48,241,685.40	54,268,754.06	6,027,068.66	48,381,899.04	140,213.64
Customer Accounting	1,823,823.17	1,762,395.70	(61,427.47)	1,683,212.34	(140,610.83)
Customer Service	5,756,533.17	5,482,619.41	(273,913.76)	5,327,951.75	(428,581.42)
General and Administration	26,698,857.42	31,502,521.58	4,803,664.16	20,031,618.58	(6,667,238.84)
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
TOTAL OPERATING & MAINTENANCE EXPENSES	121,078,867.43	131,172,037.95	10,093,170.52	112,185,931.65	(8,892,935.78)
OPERATING INCOME BEFORE DEPRECIATION	70,579,379.07	68,121,583.05	2,457,796.02	68,717,404.68	1,861,974.39
Depreciation	63,404,835.28	126,855,000.00	63,450,164.72	61,544,972.94	(1,859,862.34)
OPERATING INCOME (LOSS)	7,174,543.79	(58,733,416.95)	65,907,960.74	7,172,431.74	2,112.05

#### Miami-Dade Water and Sewer Department Statement of Revenues, Expenses and Changes in Net Position WASTEWATER - Wastewater Funds For 6 Months Ending March 31, 2019

Report Id: WGLZ11B Run on: 04/15/19 08:31 AM Source: GL

		Unaudited FY 2019		FY 20	018
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
Customer Connection Fees	14,815,244.33	-	14,815,244.33	15,143,629.20	(328,384.87)
Other Revenue	2,049,529.35	-	2,049,529.35	2,624,913.83	(575,384.48)
Other Expense	-	-	-	-	-
Change in Fair Value	-	-	-	-	-
Interest Income	4,227,610.79	-	4,227,610.79	2,429,602.54	1,798,008.25
Interest Expense	(39,853,402.27)	-	(39,853,402.27)	(37,548,285.98)	(2,305,116.29)
Capitalized Interest	(472,428.63)	-	(472,428.63)	28,488,081.42	(28,960,510.05)
Amortization of Debt Issue	(4,567,663.53)	-	(4,567,663.53)	(7,892,590.03)	3,324,926.50
Operating Disaster Revenue	-	-	-	-	-
Operating Grants	-	-	-	-	-
Job Order Recovery	(27,880.02)	-	(27,880.02)	315,053.27	(342,933.29)
Job Order Expenses	(972,178.25)	-	(972,178.25)	(319,487.84)	(652,690.41)
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	-	-	-	-
Non-O&M Activity	-	-	-	-	-
TOTAL NON-OPERATING REVENUE (EXPENSE)	(24,801,168.23)	-	(24,801,168.23)	3,240,916.41	(28,042,084.64)
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	(17,626,624.44)	(58,733,416.95)	41,106,792.51	10,413,348.15	(28,039,972.59)
Capital Contributions	4,634,427.82		4,634,427.82	6,243,849.34	(1,609,421.52)
INCREASE (DECREASE) IN NET POSITION	(12,992,196.62)	(58,733,416.95)	45,741,220.33	16,657,197.49	(29,649,394.11)

Report Id: WFR018 Run on: 04/15/19 09:50 AM Source: GL

		Annual	CURRENT	MONTH		YEAR-TO	O-DATE	
		Budget 2019	Actual 2019	Budget 2019	Actual 2019	Budget 2019	Actual 2018	Budget 2018
OPERATING A	MAINTENANCE EXPENSES							
100057	OM Activity - GL use only (SC)	535,100	69,536	43,236	405,969	265,463	406,837	253,086
212005	Sewer Collect and Trans (SC)	-	-	-	13	-	-	-
260004	Security Services (SC)	780,000	74,606	64,584	295,242	358,332	229,916	376,116
260110	Communications (SC)	1,344,932	34,405	108,724	186,612	666,420	180,495	619,792
260402	Damages (SC)	29,780	11,988	2,471	72,420	14,844	67,638	11,826
360002	Sewer Collection & Trans (SC)	-	-	-	_	-	135	-
520051	Disaster Coordination (SC)	-	-	-	-	-	311	-
520101	Install. of Elect Equip (SC)	-	-	-	-	-	1,428	-
520521	Grounds Installs/Landscp (SC)	-	-	-	-	-	93	241
520601	Indoor Air Qly Insp Compl (SC)	82,000	-	6,790	2,568	37,671	1,903	34,718
520621	Install Mech/Hvac-Refr Eq (SC)	-	(128)	-	1,267	-	25	-
520751	Install. of Plumb Equip (SC)	-	640	-	640	-	-	-
520777	Maint. of Plumbing Equip (SC)	6,000	988	497	5,773	2,756	3,111	241
520871	Misc Projects/Tasks (SC)	-	1,330	-	8,745	-	2,252	-
520905	Locksmith Services (SC)	-	-	-	219	-	-	-
520921	Structural Misc Task (SC)	-	-	-	36	-	-	-
620004	Sewer Collection & Trans (SC)	500,000	17,820	41,400	6,966	229,700	26,248	-
630117	Sewer Collection & Trans (SC)	2,500	(15,010)	207	-	1,149	-	2,411
650002	Sewer Collection & Trans (SC)	3,560,795	77,465	291,875	577,814	1,681,519	539,455	1,524,661
711301	Sewer Meter Related Work (SC)	1,013,933	51,527	82,437	321,825	494,078	381,593	224,347
711302	Maint Swr Meter Vaults (SC)	-	-	-	4,691	-	36,678	-
810002	Sewer Collection Actv (SC)	-	-	-	184,767	-	(462,733)	-
811015	Telemetering/SCADA (SC)	84,909	(60,918)	25,162	91,688	78,159	103,045	51,440
840001	Admin. & General (SC)	1,781,592	189,327	145,273	1,427,481	832,896	1,258,045	1,522,210
840002	Facilities Maint (SC)	8,800	-	729	8,282	4,043	4,881	5,015
840101	Cleaning (SC)	4,866,577	335,233	402,593	1,463,308	2,298,152	1,482,870	1,697,764
840102	Evaluation/Review (SC)	777,619	55,957	62,958	328,693	385,972	389,847	360,188
840103	Force Main Inspection (SC)	69,927	11,976	5,650	80,509	34,691	220,841	34,943
840104	Inspection-Repair Shop (SC)	723,733	139,807	59,873	702,895	337,540	397,043	206,171
<mark>840105</mark>	Joint Grouting (SC)	524,200	53,849	41,455	496,957	251,864	753,034	825,720
<mark>840106</mark>	Lateral TV Inspection (SC)	232,011	73,752	18,764	433,781	115,111	388,730	-
840107	Manhole Inspections (SC)	-	23,978	-	95,244	-	53,940	-
<mark>840108</mark>	Manhole Sealing (SC)	18,000	64,536	1,528	599,399	8,973	831,239	12,537
<mark>840109</mark>	Metering-Conductivity (SC)	511,399	32,809	41,789	143,152	245,117	112,253	205,192
<mark>840110</mark>	Metering-Night Flow (SC)	172,931	30,683	13,973	207,509	85,791	227,295	83,262
840111	Metering-Pre/Post (SC)	59,800	-	4,951	-	27,472	-	-

Report Id: WFR018 Run on: 04/15/19 09:50 AM

Source: GL

		Annual	CURRENT	MONTH		YEAR-TO	D-DATE	
		Budget	Actual	Budget	Actual	Budget	Actual	Budget
		2019	2019	2019	2019	2019	2018	2018
040440	December (according (CC))	0.004.000	470.075	000 504	4 050 007	4 040 050	755.050	4 500 505
840112	Program Inspection (SC)	3,324,028	179,675	268,581	1,358,337	1,649,050	755,356	1,520,585
840114	Smoke Test (SC)	1,200	34,772	99	46,906	551	3,436	163,349
840116	Wellfield Protect Inspec. (SC)	4 000 000	50,046	-	107,326	450,400	43,329	-
840117	I/I Contract - Inspection (SC)	1,000,000	(7.004)	82,800	30,990	459,400	1,059,457	241,100
840201	Air Rel Valve Maint & Ble (SC)	-	(7,331)	-	82,752	-	152,075	530
840202	Aut Air Rel Valve Install (SC)	-	(30)	-	4,179	-	959	-
840203	Autom Air Rel Valve Rep (SC)	-	34,999	-	311,942	-	254,167	-
840204	Dye Tests (SC)	-	7,925	-	18,610	-	14,391	-
840205	Force Main Installation (SC)		-	-	-	-	22,495	-
840206	Force Main Repairs (SC)	(370,900)	35,747	(29,952)	239,725	(184,297)	213,726	371,422
840207	Gravity Main Installation (SC)	-	-	-	2,627	-	3,821	-
840208	Gravity Main Point Reps (SC)	6,638,473	459,530	536,852	2,265,550	3,293,963	1,492,370	3,659,600
840210	Lateral Point Repairs (SC)	1,251,522	180,815	104,010	836,763	583,835	622,614	850,891
840211	Maint./Rep-Rep Shop (SC)	318,700	28,424	26,388	71,101	146,411	59,775	149,482
840212	Manhole Installation (SC)	-	-	-	7,478	-	781	-
840213	Manhole-Repairs (SC)	2,206,280	118,512	183,081	825,422	1,101,945	1,190,294	-
840214	Restoration (SC)	526,600	78,577	43,602	319,865	241,920	332,634	-
840215	Sewer Lateral Inspection (SC)	-	-	-	-	-	58	-
840216	Sewer Lateral Install. (SC)	150,000	-	-	148	-	180	-
840217	System Valve Exercising (SC)	1,887,483	157,287	152,977	1,056,384	927,793	926,230	691,439
840218	System Valve Installation (SC)	6,000	13,338	497	54,540	2,756	47,646	-
840219	System Valve Repair (SC)	-	157	-	(2,844)	-	148,719	-
840220	I/I Contract - Maint/Repr (SC)	950,000	-	78,660	(199,455)	436,430	198,076	578,640
840240	Assisting Other Divisions (SC)		4,284	-	12,189	-	17,777	-
850129	Metering (SC)	60,450	40	5,004	94	27,779	68	24,732
Sewer Co		35,636,373	2,652,925	2,919,519	15,605,094	17,145,247	15,198,880	16,303,651
100058	OM Activity - GL use only (SP)	841,000	108,230	67,953	632,180	417,220	632,833	397,744
212006	Sewer Pumping (SP)	116,219	9,736	9,390	67,138	57,656	62,178	-
260005	Security Services (SP)	1,720,000	22,990	142,416	157,091	790,168	219,181	867,960
260120	Communications (SP)	366,796	67,246	29,690	272,325	181,166	229,929	181,397
350102	Construction Mgmt (SP)	-	1,779	-	1,779	-	-	-
360001	Sewer Pumping (SP)	736,220	70,194	59,493	377,299	365,129	301,199	871,239
520002	Admin. & General (SP)	-	-	-	12,815	-	38,765	8,800
520102	Install. of Elect Equip (SP)	17,418	-	1,445	-	8,700	22,309	5,382
520301	Fueling/Recovery Deliv (SP)	-	8,289	-	43,912	-	(59,513)	3,738
520522	Grounds Installs/Landscp (SP)	-	-	-	-	-	224	241
520542	Grounds Maint. Services (SP)	382,990	11,113	30,946	124,115	190,001	169,962	115,374

Report Id: WFR018 Run on: 04/15/19 09:50 AM

Source: GL

		Annual	CURRENT	MONTH	YEAR-TO-DATE		)-DATE	
		Budget	Actual	Budget	Actual	Budget	Actual	Budget
		2019	2019	2019	2019	2019	2018	2018
520622	Install Mech/Hvac-Refr Eq (SP)	41,000		3,395	2,827	18,835	3,242	19,770
520662	Maint. of Mech Hvac Equip (SP)	40,200	482	3,329	3,287	18,468	2,176	19,095
520778	Maint. of Plumbing Equip (SP)	5,000	3,156	414	18,652	2,297	7,275	964
520776	Misc Projects/Tasks (SP)	5,000	3,130	414	10,052	2,297	16,029	723
520902	Carpentry (SP)	1,500	O	124	3	689	612	482
520902	Locksmith Services (SP)	1,500	170	124	1,405	009	75	402
520900	Masonry (SP)	-	170	-	1,403	-	73	-
520910	Painting (SP)	-	-	-	12	-	2,835	-
520914	Structural Misc Task (SP)	5,000	11 220	414	14,293	2 207	21,690	723
630112	Hazardous Waste Disposal (SP)	5,000	11,228	414	(15,010)	2,297	21,090	123
630112	Sewer Pumping (SP)	462,400	14,307	38,287	43,460	212,427	8,402	236,712
650001	Sewer Pumping (SP)	402,400	14,307	30,201	7,396	212,421	20,785	230,712
810001	Sewer Pumping (SP) Sewer Pumping Activities (SP)	-	-	-		-	(72,730)	-
811016	Telemetering/SCADA (SP)	567,787	91,506	65,793	(9,014) 1,113,435	294,067	966,126	912,247
830001		•	·					
	Adm&Gnl (SP) Adm&Gnl-Admin Support (SP)	1,714,798	201,022	139,365	918,495	826,535	897,738	1,078,958
830002 830003		638,480	39,959	51,589	227,504	316,750	206,771	586,541
830004	Adm&Gnl-Training (SP)	20,900	7,470	1,731	21,312	9,601	8,232	9,596
830004	Adm&Gnl-Supv (SP)	201,194	18,112	16,257	110,241	99,794	97,435	100,953
	Adm&Gnl-Other (SP)	363,043	67,057	30,125	465,478	170,456	613,532	171,092
830200	Operations (SP)	404	8,621	-	41,972	-	42,747	-
830201	OP-Shutdowns (SP)	124	400 700	10	-	62	65	50
830203	OP-Supv (SP)	1,253,798	120,763	101,754	587,838	622,698	455,688	511,104
830205	OP-Operations (SP)	112,567	19,147	9,095	69,113	55,845	132,326	-
830206	OP-Other (SP)	7,200,633	113,441	581,950	967,460	3,571,406	1,033,861	3,093,222
830300	Equipment (SP)	7,108,400	1,004,334	540,590	3,626,454	3,511,103	3,474,220	3,604,642
830301	Equip-Routine (SP)	5,606,825	307,708	453,564	1,907,930	2,773,872	1,838,681	2,552,027
830302	Equip-Preventive (SP)	791,498	48,739	64,014	377,599	391,539	384,165	15,480
830303	Equip-Predictive (SP)	2,300	9,303	190	34,308	1,057	23,896	434
830304	Equip-Corrective (SP)	6,238,978	1,276,283	517,146	6,719,844	2,947,875	6,053,351	3,001,961
830305	Equip-Engineering (SP)	077.040	-	74.047	-	405.700	-	96
830306	Equip-Supervision (SP)	877,242	82,123	71,317	511,121	435,786	434,993	411,566
830307	Equip-Other (SP)	39,773	19,777	3,296	316,206	18,345	214,750	89,841
830401	GroundsRoutine (SP)	10,000	4.050	828	2,826	4,594	1,447	-
830404	GroundsCorrective (SP)	1,000	1,050	83	1,578	459	8,247	338
830407	GroundsOther (SP)	100	-	8	4 7700	46	-	74.073
830500	Structures (SP)	16,100	891	1,334	1,728	7,420	12,828	71,676
830501	Struct-Routine (SP)	113,300	87,158	9,420	482,085	51,815	500,793	34,768
830502	Struct-Preventive (SP)	-	1,095	-	2,331	-	418	96

Report Id: WFR018 Run on: 04/15/19 09:50 AM Source: GL

		Annual	CURRENT	MONTH	YEAR-TO-DATE		D-DATE	
		Budget	Actual	Budget	Actual	Budget	Actual	Budget
		2019	2019	2019	2019	2019	2018	2018
830503	Struct-Predictive (SP)	100	258	8	2,853	46	6,812	_
830504	Struct-Corrective (SP)	200,282	105,524	16,632	561,519	95,919	426,936	78,481
830505	Struct-Engineering (SP)	200,202	100,024	-	-	-	14,202	(63,680)
830506	Struct-Supervision (SP)	492,363	45,139	39,808	284,870	244,300	247,029	405,276
830507	Struct-Other (SP)	2,891,698	74,882	233,865	556,024	1,432,998	530,006	1,136,752
830601	RemAct/Spil-Supv (SP)	_,00.,000	,002	-	-	-, 102,000	1,437	,
830603	RemAct/Spil-Shutdowns (SP)	_	(58)	_	147	_	-,	_
830700	Inspection (SP)	_	1,885	-	4,212	-	3,405	530
830703	Insp-ET's (SP)	32,624	25,382	2,701	123,840	14,993	107,598	13,118
830704	Insp-Prop Pump Stations (SP)	3,100	2,240	257	7,852	1,424	22,211	6,992
830900	Emergency (SP)	124	-	10	22,791	62	· -	50
830901	Emerg - Hurrican Preparat (SP)	3,400	-	282	-	1,562	292	-
830902	Emerg-Hurricane Recovery (SP)	1,200	-	99	-	551	2,219	-
830904	Emergency - Run Generator (SP)	300	-	25	1,047	138	807	-
830907	Assist other Division (SP)	-	31,147	-	49,203	-	1,326	-
850130	Utilities Monitoring (SP)	1,405,300	235,219	107,335	852,144	691,166	833,073	712,409
850203	Assistance to Other Div (SP)	1,550	-	121	-	756	-	5,508
850205	Emerg Actv/Emg Gen-Stby (SP)	-	-	-	-	-	-	24
850209	Maint/Rep-Diesel Eqp/Gens(SP)	107,515	47,393	8,919	136,082	50,046	57,057	52,485
850213	Maint/Rep-Pump Stations (SP)	203,100	11,515	15,985	76,949	97,508	211,868	111,142
850220	Maint/Rep-Struct/Grounds (SP)	50	-	4	5	23	10	24
850222	Underground Piping/Valves (SP)	1,050	6,110	87	10,512	484	55,599	506
850224	Remedial Action/Spills (SP)	100	-	8	-	46	-	48
850228	Odor Control (SP)	-	-	-	-	-	10,716	-
Sewer Pu	mping	42,963,441	4,441,118	3,473,317	22,952,874	21,010,500	21,562,370	21,436,699
100059	OM Activity - GL use only (ST)	1,628,916	209,110	131,650	1,293,166	807,495	1,166,290	762,551
210001	Sewer Trmnt & Disposal (ST)	6,500,000	200,110	541,667	1,200,100	3,250,000	-	702,001
212007	Sewer Treat and Disposal (ST)	302,314	28,419	24,429	154,758	149,947	155,388	_
227001	Sewer Treatment Activity (ST)	483,194	24,928	39,068	(99,145)	239,267	(134,173)	222,884
228001	Sewer Treatment Activity (ST)	294,023	14,769	23,763	96,381	145,747	143,408	117,716
260006	Security Services (ST)	3,500,000	148,706	289,800	752,911	1,607,900	1,120,980	1,687,700
520302	Fueling/Recovery Deliv (ST)	-	4,680	-	29,428	-	(80,250)	4,822
520463	Fire Protection System (ST)	1,000	5,522	83	19,582	459	5,994	, -
520501	Grounds Contract Services (ST)	484,037	21,699	39,797	203,550	227,530	190,506	155,268
520523	Grounds Installs/Landscp (ST)	-	58	-	4,520	-	838	3,086
520543	Grounds Maint. Services (ST)	1,385,143	80,319	112,121	598,101	684,488	768,779	779,968
520623	Install Mech/Hvac-Refr Eq (ST)	-	-	-	-	-	5,867	-

Report Id: WFR018 Run on: 04/15/19 09:50 AM Source: GL

		Annual	CURRENT	CURRENT MONTH		YEAR-TO-DATE		
		Budget	Actual	Budget	Actual	Budget	Actual	Budget
		2019	2019	2019	2019	2019	2018	2018
520663	Maint. of Mech Hvac Equip (ST)	1,364,249	50,337	111,740	488,270	660,222	454,976	643,682
520779	Maint. of Plumbing Equip (ST)	1,304,243	30,337	111,740	444	000,222	-34,970	043,002
520873	Misc Projects/Tasks (ST)	208,787	3,067	17,311	7,314	101,275	7,826	3,230
520923	Structural Misc Task (ST)	12,000	3,007	994	7,514	5,513	7,020	4,340
520974	Rentals-Other Divisions (ST)	860,000	84,856	71,208	426,683	395,084	316,902	305,233
610001	Sewer Treatment Plant (ST)	-	04,000	7 1,200	-20,000	333,004	123,438	505,255
620001	Sewer Treatment Plant (ST)	1,152,000	(3)	95,386	408	529,229	37	723,300
630102	Hazardous Waste Disposal (ST)	1,102,000	(0)	-	-	020,220	-	720,000
630119	Sewer Treatment Plant (ST)	499,800	14,199	41,411	118,365	231,366	177,821	197,147
740001	LabS Treat & Disp Exp (ST)	3,045,933	209,421	247,498	1,392,734	1,491,904	1,343,673	1,526,370
810003	Sewer Treatment Actv (ST)	250,000	6,960	20,700	120,618	114,850	(80,806)	3,254,850
811017	Telemetering/SCADA (ST)	4,920,996	179,590	420,919	1,242,753	2,457,839	1,205,471	2,205,394
811018	Main/Rep-Rad/Com Eq (ST)	41,600	2,771	5,148	9,349	22,807	28,008	43,183
811021	Instl/Rep/Cam/Surv Eq (ST)	233,215	16,379	18,882	99,639	115,756	200,765	183,175
850001	Admin. & General (ST)	29,714,770	3,861,693	2,361,765	17,519,467	14,741,527	15,094,898	13,190,994
850002	Adm&Gnl-CMMS (ST)	491,787	33,204	39,878	268,983	241,525	210,423	292,465
850003	Adm&Gnrl-Supervision (ST)*	150	-	13		73		72
850004	Adm & Gnl-Permitting (ST)	17,375	13,249	1,439	26,196	7,984	18,373	1,435
850005	CDL Random Testing (ST)	200	· -	17	· <u>-</u>	100	· -	98
850006	Training (ST)	21,584	6,412	1,788	53,328	10,055	61,573	16,596
850007	Union Activities (ST)	200	· -	<sup>′</sup> 17	_	94	· -	96
850103	Emerg Power Generation (ST)	10,306	-	854	3,608	4,967	(1,017)	3,246
850104	Odor Control (ST)	5,423,906	259,614	460,477	3,215,337	2,703,790	3,876,545	3,205,118
850105	Effluent Pumping (ST)	-	· -	-	-	-	8,798	-
850106	Pumping Stations (ST)	39,496	-	3,275	-	18,262	65	35,132
850109	Training (ST)	84,853	1,539	7,039	55,563	41,796	94,776	29,964
850111	Purchased Treatment (ST)	1,100	-	93	-	546	-	530
850112	Reuse Facility (ST)	6,006	-	498	-	2,994	-	2,836
850114	Sludge Cons & Diges Ops (ST)	23,772	-	2,013	-	11,837	550	132,294
850115	Dewatering (ST)	3,014,230	308,382	251,770	2,046,507	1,500,404	1,589,826	1,449,841
850116	Solids Handling (ST)	12,967,990	1,210,510	1,098,175	4,890,094	6,462,522	6,211,860	7,537,274
850117	Headworks (ST)	1,000	-	83	-	459	11	-
<b>850119</b>	Secondary Clarification (ST)	33,624	-	2,809	47	16,770	914	51,462
850120	O2 Generation (ST)	568,100	22,064	47,407	75,140	277,544	353,654	532,490
850121	Non Emer Power Generation (ST)	367,437	23,464	29,893	138,591	182,592	100,114	473,504
850122	Final Station (ST)	250	-	21	-	115	-	121
850123	Deep Well Injection (ST)	1,710,400	72,809	141,621	435,185	785,758	-	583,657
850124	Tanker Duty (ST)	11,612	-	964	-	5,800	888	269

Report Id: WFR018 Run on: 04/15/19 09:50 AM

Source: GL

		Annual	CURRENT	MONTH		YEAR-TO	D-DATE	
		Budget 2019	Actual 2019	Budget 2019	Actual 2019	Budget 2019	Actual 2018	Budget 2018
850125	Biosolids Processing (ST)	51,950	-	4,408	2,677	25,842	111	24,809
850127	Vessel Cleaning (ST)	146,450	7,876	12,155	15,078	73,135	104,881	97,946
850128	Special Projects (ST)	122,458	13,001	10,151	21,395	58,615	2,989	39,265
850202	Other Maintenance (ST)	463,263	90,363	38,332	425,434	214,523	219,489	219,941
850204	Assistance to Other Div (ST)	44,822	3,216	3,738	50,218	22,215	11,151	10,482
850206	Emerg Actv/Emg Gen-Stby (ST)	98,690	54,649	8,187	86,308	48,829	69,187	22,099
850208	Maint/Rep-Co-Generation(ST)	680,445	302,998	55,651	914,339	327,817	534,500	71,059
850210	Maint/Rep-Diesel Eqp/Gens(ST)	2,982,259	253,319	242,476	1,041,046	1,460,995	1,246,105	1,362,996
850211	Maint/Rep-Plant Equipment (ST)	17,702,554	1,013,402	1,443,311	6,982,699	8,638,557	7,415,602	7,957,131
850212	Maint/Rep-Instr/Ctrls/Mtrs(ST)	1,080,048	33,888	88,391	177,526	523,793	1,180,600	1,011,550
850214	Maint/Rep-Pump Stations (ST)	2,050	· -	170	700	954	292	1,955
850215	Maint/Rep-Radio/Comm (ST)	350	-	29	-	161	-	169
850216	Maint/Rep-Cryogenic Plant (ST)	8,674	73	720	13,610	4,138	11,073	8,626
850217	Maint/Rep-Sldg Concnt/Digs(ST)	291,123	3,910	24,109	33,693	134,277	10,446	101,119
850218	Maint/Rep-Sldg Dewatering(ST)	42,822	469	3,547	14,303	19,774	24,396	22,859
850219	Maint/Rep-Sludge Handling (ST)	701,226	3,410	56,674	5,979	347,875	54,969	356,957
850221	Maint/Rep-Struct/Grounds (ST)	2,747,813	343,110	223,600	1,686,237	1,356,364	1,748,174	1,409,550
850223	Underground Piping/Valves (ST)	180,524	51,840	14,736	184,470	87,493	242,168	259,819
850225	Remedial Action/Spills (ST)	1,750	-	145	-	826	-	854
850227	Telemetering/SCADA (ST)	200	10,718	17	15,933	92	56,728	96
850230	Special Projects (ST)	1,340,916	143,050	109,463	882,165	666,287	705,052	367,286
Sewer Tre	atment and Disposal	110,367,742	9,248,019	9,045,491	48,241,685	54,268,754	48,381,899	53,709,960
TOTAL O&M EXPENSES		468,591,705	36,267,279	39,878,634	213,050,470	227,995,568	187,918,294	219,745,370
FYTD Wastewater Functions (SC, SP, ST)					86,799,654		85,143,149	

DDOJECT NUMBER	DROJECT DESCRIPTION	CURREQUECT NUMBER	CUR PROJECT DESCRIPTION	EXPENDITURES FROM
PROJECT NUMBER	PROJECT DESCRIPTION  NORTH DISTRICT UPGRADES - WASTEWATER	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	10/1/18 - 3/31/19
1002	TREATMENT PLANT	101638	NDWWTP - INJECTION WELLS PS UPGRADE	\$293,408
1002	NORTH DISTRICT UPGRADES - WASTEWATER	101030	NDWWTP FA MONITORING WELLS TO MEET FDEP	Ş2J3, <del>4</del> 00
1002	TREATMENT PLANT	101947	REQ.	\$6,748
	SOUTH DISTRICT WASTEWATER TREATMENT PLANT			70,110
1006	EXPANSION - PHASE III	102102	SDWWTP FA MONITORING WELL REPLACEMENT	\$31,923
	SOUTH DISTRICT UPGRADES - WASTEWATER			
1007	TREATMENT PLANT	102184	SDWWTP FOG RECOVERY STATION	\$255,173
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	101768	WASD SERVICE AREA WEST OF I-75 AND NORTH OF NW 170 ST. (AREA SURROUNDING AMERICAN DREAM MALL)	\$188,041
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102072	NL-1A TO PHASE I: 48" FM FROM BISCAYNE BLVD. TO N. MIAMI AVE.	\$1,192,179
1009	CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102200	BISCAYNE BASIN PROJECTS RELATED TO CL-1	\$10,261,441
1011	FLOW REDUCTION PROGRAM (FRP)	100050	REHABILITATION OF SEWER MAINS DUE TO I/I - SECTIONAL LINING	\$402,013
1012	SANITARY SEWER SYSTEM IMPROVEMENTS	102229	DESIGN BUILD REPLACEMENT OF GRAVITY MAIN IN SHENANDOAH AREA - PHASE B	\$46,723
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101506	SOUTH MAINTENANCE CENTER	\$3,389
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE	101887	MEDIEV VARD RIJII DINC	\$78,683
1013	FACILITIES WASTEWATER GENERAL MAINTENANCE AND OFFICE	101887	MEDLEY YARD BUILDING SOUTH MIAMI HEIGHTS TRAILER INSTALLATION AND	\$78,083
1013	FACILITIES	103005	SITE DEVELOPMENT	\$15,921
1015	PUMP STATION IMPROVEMENTS PROGRAM	101454	PUMP STATION IMPROVEMENT PROGRAM	\$9,199,964
			Force Main in Doral 36-Inch Diameter Sanitary Sewer FM: in 107 Avenue - from NW 7 St. to NW 25 Street 36-Inch Diameter Sanitary Sewer Force Main: In 107	
1018	PEAK FLOW MANAGEMENT FACILITIES	101774	Avenue – from N.W.7 Street to N.W. 25 Street	\$3,907
1019	SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	\$761,253

				EXPENDITURES FROM
PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	10/1/18 - 3/31/19
1019	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	\$20,968
4004	PUMP STATION GENERATORS AND MISCELLANEOUS	100101		44 500 000
1021	UPGRADES	102164	REPLACEMENT OF CONE VALVES AT PS# 1310	\$1,586,263
1023	WASTEWATER TELEMETERING SYSTEM	100621	TELEMETERING SYSTEM - WASTEWATER	\$45,224
4024	WASTEWATER SYSTEM MAINTENANCE AND	400022	NAVACTEMATER CVCTEAA LIDCRADEC	¢0.004.024
1024	UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$8,001,034
4025	LIFT STATION UPGRADES AND STRUCTURAL	100623	LIFT STATION STRUCTURAL MAINTENANCE &	¢206.720
1025	MAINTENANCE IMPROVEMENTS		UPGRADES	\$386,738
1027 1027	WASTEWATER EQUIPMENT AND VEHICLES	100625 101729	MISCELLANEOUS TOOLS AND EQUIPMENT	\$48,810
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT HEAVY CONSTRUCTION EQUIPMENT	\$3,158,838 \$699,291
1027	WASTEWATER EQUIPMENT AND VEHICLES WASTEWATER TREATMENT PLANTS REPLACEMENT	101730	HEAVY CONSTRUCTION EQUIPMENT	\$699,291
1029	AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$5,310,688
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$5,510,000
1029	AND RENOVATION	101732	SECURITY PROJECTS	\$14,705
1040	OCEAN OUTFALL LEGISLATION REGULATORY	101752	CDWWTP HLD FILTERS (141 MGD) (CT-2)	\$759,229
1040	OCEAN OUT ALL LEGISLATION REGULATORY	101807	CDWWTF TIED TIETERS (141 MOD) (CT-2)	\$139,229
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102007	NDWWTP- BZ DEEP INJECTION WELLS (NE-2) (WIFIA)	\$54,679
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102010	CDWWTP- BZ DEEP INJECTION WELLS (CE-2) (WIFIA)	\$237,008
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102038	CDWWTP - CENTRATE INJECTION WELL (CE-4)	\$99,870
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102073	CDWWTP - PEAK FLOW TREATMENT (CT-3)	<b>433,070</b>
1040	OCEAN GOTTALE LEGISLATION REGULATION	102073	CENTRAL TENTRE TO THE THINK (CT 3)	
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102096	CDWWTP PUMP STATION FOR CENTRATE WELL (CE-3)	\$7,018,055
			OWNERS REPRESENTATIVE SERVICES FOR OOL	ţ:/s=s/csc
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102138	PROGRAM AND WASTEWATER SYSTEM	\$10,128,206
			SE-2 SDWWTP BZ DEEP MUNICIPAL INJECTION WELLS	
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102150	(WIFIA)	\$80,124
			CDWWTP ELECTRICAL DISTRIBUTION BUILDINGS 2	
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102222	AND 3 (CT-3C)	\$2,093
1041	GENERAL OBLIGATION BOND (GOB)	101612	SANITARY SEWER NEEDS ASSESSMENT	\$161,396
	WASTEWATER - PIPES AND INFRASTRUCTURE		WASTEWATER - PIPES AND INFRASTRUCTURE	
1042	PROJECTS	101967	PROJECTS	\$122,512
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102500	SDWWTP - Headworks	\$92,998

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	EXPENDITURES FROM 10/1/18 - 3/31/19
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102501	SDWWTP - Oxygen Production	\$594,017
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102502	SDWWTP - Oxygenation Trains	\$81,190
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102503	SDWWTP - Chlorine Building	\$51,297
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102504	SDWWTP - Effluent Pump Station	\$455,178
	WASTEWATER TREATMENT PLANTS - CONSENT			4
1044	DECREE PROJECTS	102506	SDWWTP - Digesters and Control Buildings	\$15,839,751
4044	WASTEWATER TREATMENT PLANTS - CONSENT	400507	COLUMNITO DO 1 1 5 1111	442.404
1044	DECREE PROJECTS	102507	SDWWTP - Dewatering Facility	\$13,494
1011	WASTEWATER TREATMENT PLANTS - CONSENT	103500	CDM/M/TD FOC Born and Facility	¢2.007.672
1044	DECREE PROJECTS	102508	SDWWTP - FOG Removal Facility	\$2,997,673
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102509	SDWWTP - Odor Control	\$196,317
1044	WASTEWATER TREATMENT PLANTS - CONSENT	102303	35WWTF - Oddi Collifor	\$190,317
1044	DECREE PROJECTS	102510	SDWWTP - General Electrical	\$143,126
1044	WASTEWATER TREATMENT PLANTS - CONSENT	102310	SERVICE CENTERAL ELECTRICAL	\$143,120
1044	DECREE PROJECTS	102511	SDWWTP - Chlorine Contact Chamber Structural	\$124,003
	WASTEWATER TREATMENT PLANTS - CONSENT			7-2-7,555
1044	DECREE PROJECTS	102600	CDWWTP - Electrical Improvements	\$197,308
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102601	CDWWTP - Building improvements	\$10,786
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102602	Headworks Plant 1	\$1,401,283
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102603	CDWWTP - Headworks Plant 2	\$760,820
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102604	CDWWTP - Oxygenation Trains Plant 1	\$16,036
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102606	CDWWTP - Secondary Clarifiers Plant 1	\$16,106
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102607	CDWWTP - Secondary Clarifiers Plant 2	\$482,255

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	EXPENDITURES FROM 10/1/18 - 3/31/19
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102608	CDWWTP - RS Pump Stations Plant 1	\$196,224
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102609	CDWWTP - RS Pump Stations Plant 2	\$9,161
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102610	CDWWTP - Effluent Pump Station	\$100,582
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102613	CDWWTP - Digesters Plant 1	\$37,145
4044	WASTEWATER TREATMENT PLANTS - CONSENT	402644	COMMUTE DI LA DI LA	444 520 247
1044	DECREE PROJECTS	102614	CDWWTP - Digesters Plant 2	\$11,530,217
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102615	CDW/M/TD Downtoring Building	¢170.707
1044	WASTEWATER TREATMENT PLANTS - CONSENT	102015	CDWWTP - Dewatering Building	\$170,797
1044	DECREE PROJECTS	102616	CDWWTP - Chlorination Facilities	\$1,166,101
1044	WASTEWATER TREATMENT PLANTS - CONSENT	102010	CDWWII - CHIOTHIALION Facilities	\$1,100,101
1044	DECREE PROJECTS	102618	CDWWTP - Co-Gen Facility	\$13,572,281
2011	WASTEWATER TREATMENT PLANTS - CONSENT	102010	es with the contractine,	ψ13 <i>/</i> 3 <i>/</i> 12 <i>/</i> 201
1044	DECREE PROJECTS	102620	CDWWTP - Pump Station 1	\$1,928,959
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102621	CDWWTP - Pump Station 2	\$679,239
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102624	CDWWTP -Ventilation Improvements	\$183,625
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102626	CDWWTP - Oxygen Production	\$39,315
	WASTEWATER TREATMENT PLANTS - CONSENT		CONSENT DECREE PROGRAM MANAGEMENT &	
1044	DECREE PROJECTS	102628	CONSTRUCTION MANAGEMENT	\$7,045,431
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$286,143
	WASTEWATER TREATMENT PLANTS - CONSENT			Å. 00F :
1044	DECREE PROJECTS	102701	NDWWTP - Primary Clarifiers and Odor Control	\$4,897,152
1011	WASTEWATER TREATMENT PLANTS - CONSENT	102702	NIDIA/IA/TD Our room Drawleyst's s	6220 765
1044	DECREE PROJECTS	102703	NDWWTP - Oxygen Production	\$238,765
1044	WASTEWATER TREATMENT PLANTS - CONSENT	102704	NDWWTP - Secondary Clarifiers	\$142,230
1044	DECREE PROJECTS	102704	NDWW IP - Secondary Clariflers	\$142,230

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	EXPENDITURES FROM 10/1/18 - 3/31/19
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102705	NDWWTP - Disinfection	\$11,816
	WASTEWATER TREATMENT PLANTS - CONSENT			
1044	DECREE PROJECTS	102706	NDWWTP - Effluent Disposal	\$216,894
	WASTEWATER COLLECTION AND TRANSMISSION LINES			
1045	- CONSENT DECREE PROJECTS	102800	Collection System I/I Repairs	\$5,199,822
	WASTEWATER COLLECTION AND TRANSMISSION LINES			
1045	- CONSENT DECREE PROJECTS	102804	South Dade 54 inch PCCP FM Rehabilitation	\$645,100
	WASTEWATER COLLECTION AND TRANSMISSION LINES			
1045	- CONSENT DECREE PROJECTS	102807	Rehabilitation of 54 inch PCCP FM in the City of Miami	\$928,534
40.45	WASTEWATER COLLECTION AND TRANSMISSION LINES	40000		40 == 4 0 40
1045	- CONSENT DECREE PROJECTS	102808	Replace Approximately 25 miles of AC force mains	\$3,551,348
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES	102000	One Leelin Aireant 4011 DCCD force main real company	Ć1 240 20F
1045	- CONSENT DECREE PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$1,349,305
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102900	DORAL BASIN - UPGRADE SEWAGE PS No. 418	\$1,480,747
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE	102900	DORAL BASIN - OPGRADE SEWAGE PS NO. 418	\$1,460,747
1046	PROJECTS	102902	Upgrade of PS#0692	\$466,597
1040	SEWER PUMP STATION SYSTEMS - CONSENT DECREE	102302	opgrade or i 3#0032	Ş <del>4</del> 00,337
1046	PROJECTS	102903	Replacement of Switchgear PS#0414	\$1,976,105
20.0	SEWER PUMP STATION SYSTEMS - CONSENT DECREE	202000	Replacement of Switchgear and Rehabilitation of Wet	Ψ=/σ: σ/=σσ
1046	PROJECTS	102904	well PS#0415	\$2,543,194
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			1 , 2 2 , 2
1046	PROJECTS	102905	Replacement of Switchgear PS#0416	\$2,132,426
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE		Replacement of Switchgear and Rehabilitation of Wet	,
1046	PROJECTS	102906	well PS#0417	\$659,942
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE		Replacement of Plumbing and Electrical Equipment at	
1046	PROJECTS	102908	PS#0301	\$239,402
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102909	Upgrade of PS#0488	\$10,949
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102910	Installation of 60 inch FM from Kendall Dr to PS#0536	\$1,100,058
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102911	Replacement of Switchgear at PS#0187	\$243,044

				EXPENDITURES FROM
PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	10/1/18 - 3/31/19
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102914	Upgrade of PS #0065, 0201, 0334, 0374, 0607	\$36,828
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102915	Upgrade of PS #00198, 0437, 0466, 0680	\$316,935
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$117,795
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102917	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	\$1,484,666
4047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC	40000	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC	4000.055
1047	DEVELOPMENT	103000	DEVELOPMENT - GRAVITY AND FORCE MAINS	\$808,257
4047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC	400004	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC	4425.026
1047	DEVELOPMENT	103001	DEVELOPMENT - PUMP STATIONS	\$135,036
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC	102002	CLIDDLENAENTAL ENLYIDONINAENT DDOLECT (CED)	¢2.456.750
1047	DEVELOPMENT	103002	SUPPLEMENTAL ENVIRONMENT PROJECT (SEP)	\$2,156,759
			40/2C/42 INCLUENT EDONA INTERCEPTOR TO DC 2	
1048	OCEAN OUTFALL LEGISLATION CAPACITY	101757	48/36/42-INCH FM FROM INTERCEPTOR TO PS 2 DISCHARGE - BISCAYNE BASIN IMPROVEMENTS (CL-1)	\$3,195,566
1048	OCEAN OUTFALL LEGISLATION CAPACITY	101757	ST-1 TO SDWWTP UPGRADES TO 121 MGD ADF	\$1,843,204
1046	OCEAN OUTFALL LEGISLATION CAPACITY	102033	ST-2 SDWWTP UPGRADES FROM 121 MGD TO 131	\$1,043,204
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102056	MGD ADF	\$3,808,842
1048	OCEAN OUTFALL LEGISLATION CAPACITY	103011	SDWWTP - Electrical Building (ST-2D)	\$179,320
1040	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM	103011	35WW11 - Electrical Bulluling (31-25)	Ş17 <i>3</i> ,320
1049	(PSRP)	101710	MASTER PUMP STATION NO. 3 (FORMERLY P.S. 8)	\$42,289
1043	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM	101710	WASTER FORM STATION NO. 5 (FORMERET F.S. 6)	Ş42,203
1049	(PSRP)	102192	OUT OF COMPLIANCE PUMP STATIONS	\$473,602
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102012	SOUTHWEST DADE BOOSTER STATION (SP-1)	\$240,676
2010	COLUMN CONTINUE EL CIGLE MICHON CHI MONT	101011	SL-3A TO 48"/54" FM FROM SP-1 TO INTERSECTION OF	
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102078	SW 137th AVE/SW 136th St.	\$68,449
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102079	SL-2 TO 54"/60" FM FROM SP-1 TO SL-1B	\$225,360
			SL-1 TO SL-1B.2: 54/72" FM CONNECTION FROM SW	, ,,,,,,
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102121	248th ST/SW 112th AVE TO SDWWTP	\$240,596
			SL-3B TO 48"/54" FM ALONG 137th AVE FROM SW	
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102158	136th St TO SW 104th ST	\$330,096

				<b>EXPENDITURES FROM</b>
PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	10/1/18 - 3/31/19
			TOTAL	\$164,833,059