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VIA ELECTRONIC CORRESPONDENCE

January 31, 2019

CCN: 62376 File No: 8.DC.20.33

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice P.O. Box 7611 Tom Mariani Washington, D.C. 20044-7611 RE: DOJ No. 90-5-1-1-4022/1 Tom.Mariani@usdoj.gov

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Florida Department of Environmental Protection Southeast District – West Palm Beach 3301 Gun Club Road, MSC 7210-1 West Palm Beach, FL 33406 Attn: Compliance/Enforcement Section Jason.Andreotta@dep.state.fl.us

RE: Consent Decree (Case: No. 1:12-cv-24400-FAM), Reference DOJ Case No. 90-5-1-1-4022/1, Section IX – Reporting Requirements, Paragraph 33 – Semi-Annual Reports – 2018 Semi-Annual Report No. 2

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 2018 Semi-Annual Report No. 2. The report includes the progress made in implementing the requirements of the aforementioned Consent Decree during the period of time from July 1, 2018 through December 31, 2018. The report also includes the anticipated work to be completed over the next two calendar quarters through June 30, 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, 2018 Semi-Annual Report No. 2 January 31, 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,

ec:

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

Attachment: 2018 Semi-Annual Report No. 2

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2018 Semi-Annual Report No. 2 (Ninth Semi-Annual Report)

July 1, 2018 through December 31, 2018

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
СМОМ	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
1/1	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 (July 1, 2018 through December 31, 2018), and also provides projections for significant projects and activities anticipated to be completed in the next two calendar quarters (January 1, 2019 through June 30, 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 and is in full compliance with the CD. 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 as of this reporting period. Second, with the execution of the eighty-one (81) capital improvement projects included in Appendix D which have an approximate total cost of \$1.93 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, twenty-seven (27) projects with a total cost of \$345 million have been completed and more than forty-five (45) projects with an approximate total cost of \$1.28 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. The upcoming projects, activities, milestones, and deliverables for the next two calendar quarters are listed in Table 1-2. 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 Force Main Criticality Assessment and Prioritization Report	Section VI, para. 19(g)(ii)	7/20/2018	7/17/2018	Yes
Post Force Main Criticality Assessment and Prioritization Report in PDR	Section V, para. 9	1 business day after submittal	7/17/2018	Yes
Submit 2018 Quarterly Report No. 2	Section IX, para. 32	7/30/2018	7/26/2018	Yes
Post 2018 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	7/26/2018	Yes
Submit 2018 Semi-Annual Report No. 1	Section IX, para. 33	7/30/2018	7/30/2018	Yes
Post 2018 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	7/30/2018	Yes
Submit CMOM Programs Consolidated Schedule of Implementation Activities	Section VI, para. 19	8/6/2018	8/6/2018	Yes
Post CMOM Programs Consolidated Schedule of Implementation Activities in PDR	Section V, para. 9	1 business day after submittal	8/6/2018	Yes

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)	
Submit Wastewater Treatment Plant Operations and Maintenance Program Final	Section XI, para. 19(h)	8/6/2018	8/6/2018	Yes	
Post Wastewater Treatment Plant Operations and Maintenance Program Final in PDR	Section V, para. 9	1 business day after submittal	8/7/2018	Yes	
Submit 2018 Quarterly Report No. 3	Section IX, para. 32	10/30/2018	10/30/2018	Yes	
Post 2018 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	10/30/2018	Yes	
Submit Force Majeure Notification Letter for CD CIP 5.2 – PS 0691	Section XI, para. 52 & Section XVII, para. 77	11/30/2018	11/29/2018	Yes	
Post Force Majeure Notification Letter for CD CIP 5.2 – PS 0691in PDR	Section V, para. 9	1 business day after submittal	11/29/2018	Yes	
Completion of CD CIP 2.17 Chlorination Facilities	Section VI, para. 19(i)	10/15/2018	7/27/2018	Yes	
Completion of CD CIP 4.5 South Dade 54-inch PCCP FM Rehabilitation	Section VI, para. 19(i)	12/23/2018	9/14/2018	Yes	
Completion of the Supplemental Environmental Project	Section VII and Appendix E	11/18/2019	12/26/2018	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 2018 Quarterly Report No. 4	Section IX, para. 32	1/31/2019	1/31/2019		
Post 2018 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal		
Submit 2018 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2019	1/31/2019		
Post 2018 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal		
Submit 2018 Annual Report	Section IX, para. 34	3/1/2019	3/1/2019		

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date
Post 2018 Annual Report in	Section IX, para. 36	1 business day after	1 business day after
PDR		submittal	submittal
Submit 2019 Quarterly Report No. 1	Section IX, para. 32	5/1/2019	5/1/2019
Post 2019 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
CD CIP 1.9 FOG Removal Facility	Section VI, para. 19(i)	5/24/2019	5/24/2019
CD CIP 2.3 Headworks Plant 1	Section VI, para. 19(i)	3/6/2019	3/6/2019
CD CIP 2.22 Pump Station 2	Section VI, para. 19(i)	5/25/2019	5/25/2019
CD CIP 5.2 Upgrade of PS No. 0691	Section VI, para. 19(i)	1/27/2019	1/27/2019
CD CIP 5.4 Replacement of Switchgear PS No. 0414	Section VI, para. 19(i)	6/15/2019	6/15/2019
CD CIP 5.6 Replacement of Switchgear PS No. 0416	Section VI, para. 19(i)	6/13/2019	6/13/2019
CD CIP 5.11 Installation of 60-inch FM from Kendall Dr. to PS No. 0536	Section VI, para. 19(i)	5/18/2019	5/18/2019
CD CIP 5.12 Replacement of Switchgear PS No. 0187	Section VI, para. 19(i)	3/26/2019	3/26/2019

 Table 1-2 Upcoming CD Projects, Activities, Milestones, and Deliverables in the Next Two

 Calendar Quarters

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				
ltem	Date	Description	Resolution/Clarification/Decision		
1	3/28/17	EPA and FDEP requested that WASD submits a more detailed Capacity, Management, Operations and Maintenance (CMOM) Consolidated Implementation Schedule than the one submitted on March 31, 2016.	On March 28, 2017, WASD, EPA and DOJ held a teleconference. At that teleconference, it was agreed that an updated CMOM consolidated schedule will be submitted 30 days after all CMOM Programs have been approved. The final CMOM Program EPA/FDEP approval letter was received by the County on June 7, 2018 for the WWTP Hauled Waste Guidance Manual. The approval letter states that the County has 60-days to submit the schedule. Thus, the CMOM Consolidated Implementation Schedule submittal was submitted to EPA/FDEP by August 6, 2018.		
2	4/20/17	Section VI Paragraph 19.(c).(x).(G) of the CD mandates, "Determination via suitable as- built drawings, or GPS or traditional surveying field measurements, elevations of all manhole rim elevations and sewer inverts at connections to manholes and Pump Stations and their inclusion into GIS."	At the April 20, 2017 EPA/FDEP/WASD CD Program Update Meeting, WASD expressed that as of the end of March 2017, WASD has completed 92% of the collection of the elevations of manhole rim elevations and sewer inverts at connections to manholes and Pump Stations. Approximately 7% of the information, however, could not be obtained for reasons ranging from encroachments to surcharged manhole or manhole located on private property. WASD proposed that the data not obtained in the field, be collected as an implementation activity to be added in the CMOM Consolidated Implementation Schedule. EPA/FDEP agreed to the proposal. This activity was be included in the CMOM Consolidated Implementation Schedule submittal due on August 6, 2018.		

Table	Table 1-3 Issues Log					
ltem	Date	Description	Resolution/Clarification/Decision			
3	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.			
4	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 migration is still in progress and the new PDR site will be operational before 6/30/2019.	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				
ltem	Date	Description	Resolution/Clarification/Decision		
5	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.		
6	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			
ltem	Date	Description	Resolution/Clarification/Decision	
7	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.	

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 County held a SEP Coordination Open-House Meeting to provide property-owners connection process information and contact resources. The Contractor successfully completed the installation, testing, and connections for approximately 8,022 linear foot (LF) of 12-inch, 10-inch and 8-inch PVC gravity sewer main piping, including all corresponding laterals and manholes. The Contractor also successfully completed the installation, testing, approximately 678 LF of 12-inch and 10-inch potable

water main. The Contractor completed the project certification processes in accordance with all applicable permitting agencies and governing bodies. The construction of the SEP reached completion on December 26, 2018, ahead of the CD Compliance deadline of November 18, 2019. The County through RER-DERM, initiated the development of the Notice of Required Connection (NORC) letters to formally inform the property-owners the system is completed and ready for connection.

In the next two calendar quarters, the Contractor will continue the restoration and project close out process. The SEP Completion Report will be initiated and is on schedule to meet the CD Compliance deadline of December 18, 2019. The NORC letters will be issued to the property-owners included in the SEP area.

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 Basis of Design Reports (3) for the capacity expansion at the South District Wastewater Treatment Plant (WWTP) were delivered to the Florida Department of Environmental Protection (FDEP) on July 26, in compliance with the permit condition. The designs are proceeding (65 to 95 percent complete).
- The Central District WWTP design phase has started and a notice to proceed to two of the three design firms was issued in January 2019. The third design firm is expected to be given NTP in March 2019. Changes required to supporting facilities have delayed the completion of the industrial well pump station to April 2019.
- The conceptual design of the North District WWTP is underway (about 40 percent complete).
- WASD has received the FDEP Underground Injection Control permits for the new municipal injection wells at South and Central District WWTPs.

Appendix A Work Progress Tables

	Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree				
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
Paragraph 18(a)		The Adequate Pumping, Transmission and	Calendar Quarters 1. Continued with the monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility. 2. Placed under Initial Moratorium (IM) Pump Station basins that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Placed under Incomplete Moratorium (IN) Pump Station basins that that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami- Dade County Code. 4. Continued to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station	 Next Two Calendar Quarters 1. Continue monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility. 2. Continue placing under Initial Moratorium (IM) Pump Station basins that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Continue placing under Incomplete Moratorium (IN) Pump Station basins that 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 4. Continue to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station 	
	Adequate Pumping, Transmission and Treatment Capacity Program	was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A	 a basins under incomplete Moratonum (in) every basins	 basins under Incomplete Moratorium (IN) every time a Triplicate Reading is detected. 5. Continue generating the monthly NAPOT Status & Sewer Allocation reports for all Utilities and Building Officials. All Utilities and Building Officials will be notified how to access the NAPOT Status and required to submit the completed Allocation report. 	
			 Sewer Allocations were de-allocated manually for municipalities according to their monthly reports as submitted to RER-DERM. 	 Continue manually de-Allocations for all municipalities according to their completed monthly reports submitted to RER-DERM. 	
			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.	
		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 to use/update 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.		

	Table A-1.1 Continuatio	n of CMOM Programs of the First Partial	Consent Decree and the Second and Final Co	onsent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
		was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A	9. Continued to review Sanitary Sewer System Evaluations or Amendments as submitted by the utilities. PS moratoriums were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.	9. Continue to review 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.
	o rr k ti	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.	10. Completed the Water & Sewer As-Built / Atlas Guidelines for submittals by each Utility to assist Plan Review staff in the issuance of Sewer Capacity Allocation Letters.	10. Will review the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January- 2019.
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program (continued)		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. A final Water & Sewer As-Built / Atlas Guidelines was presented and provided to all utilities at the URT Meeting on August 28, 2018, for the Atlas/As-Built Update submittal due on January 6th, 2019.	12. Coordinate 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 June 30, 2019.

	Table A-1.1 Continuation	on of CMOM Programs of the First Partial	Consent Decree and the Second and Final Co	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	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 private Pump Stations which manifold into the County's Force Main system.	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: 4.9 (60-62), 4.9 (70), 4.9 (65) and 4.9 (72). These projects consist on the replacement of	Continue support to design and construction teams through hydraulic modeling evaluations to assess the effect of modifications to the WASD sewer collection system as a result of CD projects on operating conditions of the WASD WCTS. Continue the update of WCTS Hydraulic Model network geometry in order to match the current conditions of the system, these updates include addressing discrepancies identified in the model network through evaluation of as- built drawings, equipment O&M information and GIS data. This effort constitutes the compliance with Section VI, Paragraph (18).(c).(iv) of the Consent Decree.				
			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. This effort constitutes the compliance with Section VI, Paragraph (18).(c).(iv) of the Consent Decree.	Continued efforts to update hydraulic model with information available for improvement projects associated with Consent Decree, Ocean Outfall 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. Continue updates associated with modifications to Private Pump Stations (PPS) into the WCTS Hydraulic Model according to Paragraph 18(c)(ii) of the Consent Decree.				

	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 (Continued)	accordance with Paragraph 18(c) of the CD. The model assists in the development	Ocean Outfall 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 (c)	Wastewater Collection and Transmission System Model (Continued)	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	season dry weather event (WWE2) and one dry weather event (DWE) were selected within		

	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 (Continued)	and implementation of CMOM programs to optimize transmission capacity and to evaluate the impact of I/I rehabilitation projects; proposed modifications, upgrades and expansions to the WCTS; and performance of the WCTS. The WCTS model can also be used to simulate the manifolded Force Mains and private Pump Stations which manifold into the County's Force Main system	The document was based on Wastewater Planning Users Group Code of Practice for the Hydraulic Modeling of Sewer Systems v 3.001 (WaPUG, 2002) and the general guidelines from United States Environmental Protection Agency (USEPA, 1999) in addition to previous experience by technical leads from the CD PMCM Team on hydraulic model calibration for wastewater collection systems The modifications made to the calibration model networks were incorporated into the latest effective model version which is shared with WASD Planning Division and other consultants as required. The Effective Model version represents existing conditions of the system. This version of the model is validated recurrently with observed flow data for distribution at the wastewater treatment plants. In addition, based on findings from calibration and the latest effective model, the CD PMCM updated the model networks corresponding to planning horizons (2020, 2025 and 2035) previously developed by WASD Planning Division.		

	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	1. Monitored and tracked the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.	1. Continue Monitoring and tracking of the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.		
		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.	2. Placed under Moratorium Pump Station (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).	2. Continue placing under Moratorium Pump Station (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).		
18(e)	Volume Sewer Customer Ordinance Program	tomer Ordinance	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.		
			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 completed and certified the Corrective Action Plan(s) (CAP) to bring basin's Nominal Average Pump Operating Time (NAPOT) below the 10 hours.		
			5. Continued generating the monthly Certification of Nominal Average Pump Operating Time NAPOT Status for each Volume Sewer Customer Utility.	5. Continue generating the monthly Certification of Nominal Average Pump Operating Time NAPOT Status for each Volume Sewer Customer Utility.		
			6. Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.	6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.		

	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		
		otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs.	Customer's Sanitary Sewer System Evaluations or Amendments submitted. PS moratoriums were reverted as the utilities	7. Continue to review the Volume Sewer Customer's Sanitary Sewer System Evaluations or Amendments when submitted. PS moratoriums will be reverted if the utilities demonstrate compliance with the 5,000 GPDIM SSES Code requirement.		
		Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	8. Completed 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 the utility that experienced repeat SSOs during previous period and continue with inspection coordination effort to prevent new SSOs.		
18(e)	Program (continued)		9. Drafted a Consent Agreement (CA) to the City of Opa-Locka for repeat SSOs during this period. CA outlined actions to prevent SSOs and to complete needed rehabilitation to bring the sanitary sewer collection system into full compliance.	9. Will follow up on the Approval of the CA by City Commission and will follow up on the specific deadlines to rehabilitate the systemin as needed to bring the system into full compliance.		
				10. All Volume Sewer Customer utilities and/or representatives will be reminded about Sanitary Sewer Overflow (SSO) requirements in one of the 2019 Utility Round Table meetings.		

	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	1. Provided updated in-house training to FOG Control Technicians and Inspectors.	1. 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 updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and	2. Updated and distributed "Did You Know" flyers. Flyers were distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.	2. Update and distribute "Did You Know" flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.		
		enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018	3. Continued FOG Outreach, including workshops (e.g., FOG Round Table and Utility Round Table meetings).	 Continue FOG Outreach, including West Coast Inspectors Workshop, and FOG and Utility Round Table meetings. 		
			4. Continued to receive monthly hauled waste disposal data from MD-WASD and Pompano/Broward using the eManifest system.	4. Continue to receive monthly hauled waste disposal data from MD- WASD and Pompano/Broward. Assign FOG Inspectors to run eManifest Reports and schedule inspections based on findings.		
19(a)	Fats, Oils and Grease Control Program		5. Updated FSE FOG Operating Permit (GDO) conditions, including mandatory eManifest reporting.	5. Review FSE FOG Operating Permit (GDOs) conditions and update accordingly, including training requirements.		
			6. Continued enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE).	6. Continue enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Goal is to achieve 100% compliance by June 2019.		
			7. Updated the Liquid Waste Transporter (LWT) permits.	7. Review LWT Permit conditions and update accordingly, including training requirements.		
			8. Monitored "NO COMMIMGLING of FOG" (implemented April 1, 2017) at the South District Wastewater Treatment Plant. Inspections include 1 day per week and 1 weekend per month.	8. Continue monitoring "NO COMMIMGLING of FOG" and take enforcement actions to correct violations, as applicable. Review 1 day per week and 1 weekend per month inspection routine and adjust accordingly.		
			 Continued to receive eManifest from LWTs. LWTs not submitting eManifest were advised that their operating permit would not be renewed. 	 Continue compliance assistance and enforcement for LWTs not using eManifest and/or operating without a valid operating permit. 		

	Table A-2.1 New CMOM Programs					
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
		with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the ir	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.		
		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	11. Continued to track FOG Hot Spots and identify sources(s) and root cause(s). Continued to collect monthly accelerated FOG maintenance reports from utilities.	11. Continue to track FOG Hot Spots and identify sources(s) and root cause(s). Take enforcement as required to remedy FOG Hot Spots.		
		became effective March 5, 2018	12. Continued to work with equipment manufactures to get FOG Control Devices approved for FOG2.0.	12. Continue to work with equipment manufactures to get FOG Control Devices approved for FOG2.0.		
19(a)	Fats, Oils and Grease Control Program (Continued)	g ol	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.	13. Continue to random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste, according with the LW- ST2.0 Liquid Waste Transportation & Disposal Guidance Manual. Also, review monthly FOG facility effluent sampling data for parameter trends. Also includes updating training requirements for disposal facilities.		
			14. Continued to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program.	14. Continue to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, and prepare the 2nd FOG Control Program Annual Review Report due to EPA/FDEP on June 30, 2019.		
			15. Developed training program for 2019 GDO permitting cycle.	15. Develop or approve training programs for 2019 permitting cycle for LWTs and Disposal Facilities.		
				16. Prepare a final Public Outreach program outline and schedule in collaboration with MDC-WASD.		

	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(b)	Sewer Overflow Response Plan	The SORP is a program for identifying and reporting SSOs. The SORP is being implemented in accordance with Paragraph 19(b). This Plan will establish timely and effective methods and means of responding to, cleaning up, and/or minimizing the impact of SSOs; timely reporting of the location, volume, cause, impact, and other pertinent SSO information to the appropriate regulatory agencies; and timely and effective notification of SSOs to potentially impacted public. In addition, the plan involves a re- evaluation of the County's previous program.	Work on the program was ongoing:	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2019.	
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 June 30, 2019.	
		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 Program involves appleting the optimated 1900.	1. Manhole rim and pipe inverts and their inclusion into GIS - Completed. Updates continue as part of the GIS data maintenance process.	Updates to continue	
		Program involves completing the estimated 1800 GIS backlog projects and estimated 2000 reported GIS data inconsistencies prior to June 7, 2017.	2. 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 2018 Annual Report.	
19(c)(x)	Geographic Information Systems Program		 GIS to Hydraulic Model Integration to satisfy 90 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 2018 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 new asset classes and value list. Future enhancements, as necessary	
			6. GIS to Water Model Interface - Completed. Improvements continue as opportunities arise.	Development of a system to interface between the GIS and the Miami-Dade Water computer model so that the information can be efficiently exported to the Water System computer model. Updates to continue.	

	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(d)	Sewer System Asset Management Program	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 June 30, 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.	including deploying 14 new devices during this	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2019.		
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 June 30, 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 sumbitted 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 June 30, 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(h)	WWTP Operations and Maintenance Program	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	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2019.
19(j)	Financial Analysis Program	implemented in accordance with Paragraph 19(j) of the CD. The purpose of this program is to effectively establish and track the sufficiency of		Work on the program will be ongoing and will continue beyond June 30, 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.	Procurement was completed. Construction continued.	Construction will continue.	
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.	Procurement will be completed. Construction will commence.	
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).	Expansion and Oxygenation Trains Mixer Upgrades.	 1.3(1) Procurement for Train 4 Oxygenation tanks structural rehab will be completed. 1.3(2) Design for Electrical Building Expansion and mixer upgrade will be completed and permitting will commence. 1.3(3) Design will be continue for oxygenation train - SS 5/6 and SS 15/16. 	
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.	Design will be completed. Permitting will commence.	
1.5	Effluent Pump Station	The SDWWTP Effluent Pump Station project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves an upgrade of the existing obsolete pump control systems, upgrade of the pumps drives and motors, and structural rehabilitation of pump station wet well, i.e. chambers 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.	commenced. Construction of Wetwell # 1 commenced. Procurement and construction continued. 1.5(2) Design and permiting were completed.	 1.5(1) Procurement of wetwells # 3 & 4 will continue and construction of Wetwell #1 - Structural Rehab will be completed. 1.5(2) 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	
1.6	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.	
1.7	Digesters and Control Buildings	The SDWWTP Digester and Control Buildings project will be performed pursuant to Paragraph 19(i) and Appendix D. The project involves the rehabilitation or replacement of digester roofs; 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 continued and construction commenced.	Procurement and construction will continue.	
1.8			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.	Construction continued.	Construction will be completed.	
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.	Design will continue.	

		Table A-3.1 South District WWTP C	apital 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
1.11	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) Permitting was completed and procurement commenced. 1.11(1.2) Re-Design continued. Permitting and procurement commenced. 1.11(2) Design and permitting were completed. Procurement commenced 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 will be completed. Construction will commence. 1.11(1.2) Permitting will be completed. Procurement will continue. 1.11(2) Procurement will continue.
1.12	Chlorine Contact Chamber Structural Rehabilitation	The SDWWTP Chlorine Contact Chamber Structural project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the structural rehabilitation and coating of chlorine contact chambers 1 through 4. This project was split into two child projects: 1.12(1) Chlorine Contact Chamber Actuator Replacement; and 1.12(2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement	Construction for 1.12(1) Actuator Replacement was completed on June 5, 2018. 1.12(2) Construction for Sluice Gates continued.	1.12(2) Procurement for contact chambers # 3 & 4 will commence. Construction for the Sluice Gates will be completed.

	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 2.10(1). 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) Procurement was completed. 2.1(3) Procurement was completed and construction commenced. 2.1(4) Procurement continued. 2.1(5) Construction continued. 2.1(6) Construction continued. 2.1(7) Design continued.	 2.1(2) Construction will commence. 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 continue. 2.1(7) Design will be completed. Permitting 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.	2.2(1b) Construction was completed on January 17, 2018.2.2(1c) Completed on October 19, 2016.2.2(2) Construction activities suspended on	2.2(2) Re-permitting and Re-procurement anticipated to be completed. Re-construction anticipated to commence.
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.	Construction continued.	Construction will be completed.
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 continue.
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.	Procurement was completed. Construction was completed on June 22, 2018.	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 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.		2.7(1) Design will continue2.7(2) Construction will continue.2.7(3) Procurement and construction will continue. Structural Rehab Procurement for Train 3 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) Procurement was completed and construction commenced. 2.8(2) Construction for trains 2 & 3 commenced. 2.8(3) Design was completed. Procurement and construction commenced. 	2.8(1) Construction will continue.2.8(2) Construction will continue.2.8(3) Procurementand 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.	Design 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) Procurement was completed and construction commenced.2.10(2) Construction of RAS Header Pipe was completed on July 7, 2017.	2.10(1) Construction will continue.	
2.11	Effluent Pump Station	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 continued.	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.	

	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	
2.15	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) Procurement was completed and construction commenced. 2.15(3) Permitting 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) Permitting will be completed and procurement will commence.	
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	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.	Construction was completed on July 27, 2018.	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	
2.18	Odor Control Systems	replacement of the motor control center of the odor control buildings	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) Procurement was completed and construction commenced. 	2.19(2a) Construction will continue. 2.19(2b) Construction 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	
2.20	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	
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 continue.	
2.22	Pump Station 2	The CDWWTP Pump Station No. 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the pump station odor control system, rehabilitation of bar screen mechanism, and replacement pump stations flow metering to improve maintenance accessibility.	Construction continued.	Construction will be completed.	
2.23	O ₂ Plant Process Controls Phase 2	The CDWWTP O_2 Plant Process Controls project is being performed pursuant to Paragraph 19(i) and Appendix D. Existing oxygen production systems are either failing or obsolete. The purpose of this project is to replace existing oxygen production systems.	Construction was completed on April 25, 2016 ahead of the CD compliance date March 9, 2017.	N/A	
2.24	Gas Monitoring	The CDWWTP Gas Monitoring project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to monitor gas levels and place alarms in hazardous areas.	Construction was completed on September 29, 2017.	N/A	
2.25	Ventilation Improvements	 The CDWWTP Ventilation Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to improve ventilation in hazardous areas. This project schedule has been broken down into multiple components to more accurately reflect the way the work is being executed: 1) HVAC Improvements for air scrubber. 2) Headworks HVAC Improvements (Project 2.3/2.4) 3) Digester Control Building HVAC Improvements (Project 2.15(1)) 4) Pump Station 1 HVAC Improvements (Project 2.21) 5) Pumps Station 2 HVAC Improvements (Project 2.22) 	 2.25(1) 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) Design will commence. 2.25(2) Construction will continue. 2.25(3) Construction will continue. 2.25(4) Construction will continue. 2.25(5) Construction will be completed. 	

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
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.	
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) Procurement was completed.	2.27(2) Design-Build will commence.	
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		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 April	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 continued. 3.2(2) Procurement was completed and construction commenced.	3.2(1) Construction will be completed.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 continued.	Design will continue. Cleaning of Tank #5 Oxygenation Trains will commence.	
3.4	Oxygen Production	The NDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the oxygen plant and its mechanical and electrical systems.	Design continued.	Design 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.	2017.	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 continued and procurement was completed.	Permitting will be completed and construction will commence.	

	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		
3.7	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		
3.8		 The NDWWTP Plant Wide Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed at the NDWWTP. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1) NDWWTP General Electrical In House Construction Feeders 1 and 2 have been replaced. 2) Electrical Feeders 3-6 Feeders 3-6 will be replaced in conjunction with Project 3.1. 3) Electrical Feeders 7-8 Feeders 7 and 8 will be replaced along with 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) General Electrical In-house construction (Feeders 1-2) was completed on January 15, 2016. 3.8(2) Electrical Feeders 3-6 (Project 3.1) was completed on December 6, 2017. 3.8(3) Electrical Feeders 7-8 design continued. 3.8(4) Design and construction continued. 	3.8(3) Electrical Feeders 7-8 design will		
3.9		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	The NDWWTP Yard Piping Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the wastewater piping that interconnects unit processes throughout the plant.	ahead of the CD compliance date of	N/A		
3.11		The NDWWTP SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units to maintain operational sustainability.	Project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.	N/A		

		Table A-4.1 Wastewater Collection a	nd 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	South Dade 54 inch PCCP FM Rehabilitation	This South Dade Force Main Rehabilitation project is being performed in accordance with Paragraph 19(i) and Appendix D. The project involves the rehabilitation of 2.5 miles of 54 inch PCCP FM from SW 112 Avenue and SW 280 Street to SW 107 Avenue and SW 248 Street in South Dade. It replaces sections of the 54-inch force main that has critically damaged pipe segments.	Project was completed on September 14, 2018 ahead of the CD compliance date of December 23, 2018.	N/A
4.6	Replacement of Tamiami Canal Aerial Crossing FMs at NW 37th Avenue	This Tamiami Force Main Replacement project is being performed in accordance with Paragraph 19(i) and Appendix D. This project replaces corroded twin 24 inch FM's crossing the Tamiami Canal at NW 37 Avenue, just south of NW 21 Street in the Tamiami area. The twin 24-inch force mains have experienced failures and are in need of replacement.	Construction was completed on May 27, 2014 ahead of the CD compliance date of October 29, 2016.	N/A

	Table A-4.1 Wastewater Collection and Transmission Lines						
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
4.7	Rehabilitation of 18 DIP FM in Miami Lakes	This Miami Lakes Force Main Replacement project is being replaced in accordance with Paragraph 19(i) and Appendix D. The purpose of this project is to replace severely corroded 18 inch pipe that has had multiple failures. It replaces one mile of 18 inch DIP FM located at NW 60 Avenue and NW 138 Street.	Construction was completed on December 7, 2015 ahead of the CD compliance date of April 9, 2017.	N/A			
4.8	in the City of	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	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	Opa-Locka Airport FM Replacement	The Opa-Locka Airport PCCP Force Main Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of 2.5 miles of 48 inch PCCP force main running along the Biscayne Canal between NW 57th Avenue & NW 32nd Avenue. The length has been determined to have approximately one quarter of its line segments distressed based on in-situ condition assessments. This project has been split into four (4) child/sub projects. 1) Includes rehab of an existing 48" FM east of the Opa-Locka Airport. 2) Includes two (2) miles of open cut 54" DIP FM pipe along airport.	4.10(1) Construction was completed on October 27, 2017.4.10(2) Construction was completed on May 11, 2018.	N/A			

	Table A-4.2 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 continued.	Design will be completed. Permitting will commence and be completed. Procurement 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 PI. 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	
16	10	PS 427	NW 29 Pl. and NW 191 St.	This project was completed on June 3, 2015.	N/A	
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 continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.	
28	8	PS 786	MH 5 @ PS 785	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement 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.	

	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	
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	
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.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
36	4	PS 721	US1 & Banyan St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
37	4	PS 749	PS 731	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
38	4	PS 747	US1 & East Indigo St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
40	8	PS 745	SW 102 Ave. & SW 175 St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
41	4	PS 731	SW Duval Ave. & West Indigo St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
42	10	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.	
44	8	PS 810	SW 118 Pl. & SW 72 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.	
45	12	PS 793	SW 118 Pl. & SW 72 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.	
46	6	PS 724	SW 106 Ave. & SW 155 St.	Permitting was completed and procurement continued.	Procurement will be completed. Construction will commence.	
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.	Procurement was completed. Construction commenced.	Construction will continue.	

	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		
49	10	PS 1029	SW 132 Ave. & 268 St.	Procurement was completed. Construction commenced.	Construction will continue.		
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	Procurement was completed. Construction commenced.	Construction will continue.		
51	10	PS 1028	SW 137 Ave. & 288 St.	Procurement was completed. Construction commenced.	Construction will continue.		
52	10	PS 1027	SW 132 Ave. & 280 St.	Procurement was completed. Construction commenced.	Construction will continue.		
53	8	PS 1018	MH 44A @ SW 132 Ave.	Procurement was completed. Construction commenced.	Construction will continue.		
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.		
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.		
56	8	PS 864	SW 147 Ave. & SW 72 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.		
57	8	SW 142 Ave. & Kendale Lakes Blvd.	SW 140 Ave. & Kendale Lakes Blvd.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.		
58	10	SW 140 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & Kendale Lakes Blvd.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.		
59	12	SW 137 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & SW 81 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.		
60	8	PS 1013	PS 1012	Permitting was completed and procurement commenced.	Procurement will be completed. Construction will commence.		
61	10	PS 1012	SW 144 Ave. & SW 280 St.	Permitting 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		
62	8	PS 1011	SW 144 Ct. & SW 280 St.	Permitting was completed and procurement commenced.	Procurement will be completed. Construction will commence.		
63	10	SW 147 Ave. & SW 288 St.	SW 134 Pl. & SW 288 St.	Procurement was completed. Construction commenced.	Construction will continue.		
64	6	PS 1009	SW 147 Ave. & SW 296 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.		
65	6	PS 1006	PS 1005	Design was completed. Permitting commenced and was completed. Procurement commenced.	Procurement will be completed. Construction will commence.		
66	8	PS 1002	SW 152 & SW 304 St.	Cut and Plug Design continued.	Design will be completed. Permitting will commence and be completed. Procurement 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	Upgrade 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. Decommissioning of PS 0691 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 continued.	Procurement will be completed and construction will commence.		
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).	5.4(1) Construction continued.	5.4(1) Construction will be completed.		
	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and the wet well structure is badly deteriorated due to H_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 continue.		
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 continued.	Construction will be completed.		
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 be completed.		

	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	Electrical and Mechanical	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.	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, permitting and procurement continued.	Design and permitting will be completed. Procurement will continue.		
5.10	Upgrade of PS	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	inch FM from Kendall Dr. to PS	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 continued.	Construction will be completed.		
5.12	Replacement of Switchgear PS No. 0187	The Replacement of Switchgear PS No. 0187 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing PS equipment is beyond its useful life and parts are not readily available. This project involves the demolition of the four (4) existing 450 hp pumps (3 two-speed, and 1 with Anvic Drive) and the installation of four (4) new 450 hp pumps and motors, with new VFDs, replacement of electrical switchgear, HVAC and lighting upgrades, expansion of Electrical Room, generator upgrades, and replacement of plug valves and control valves.	Construction continued.	Construction will be completed.		
5.13	Refurbish Emergency Generators and	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 for Pump Station No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	Construction was completed on July 15, 2013, ahead of the CD compliance date of December 31, 2013.	N/A		
5.15	Upgrade of PSs Nos. 0065, 0201, 0334, 0374, 0607	The Upgrade of PSs No. 0065, 0201, 0334, 0374, 0607 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0065 is being upgraded to include new submersible pumps in the existing dry well, installation of larger suction and discharge piping, and an electrical upgrade. The PS No. 0201 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and 48 I/I repairs for a flow of 176 gpm. The PS No. 0334 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 2,200 L.F. of new 8 inch FM. The PS No. 0374 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the installation of 320 L.F. of new 8 inch FM. The PS No. 0607 project involves the conversion to a new submersible type pump station and an electrical upgrade 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 and the installation of 320 L.F. of new 8 inch FM. The PS No.	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. 0466 Compliance Project 4) Pump Station No. 0466 Compliance Project	This project was completed on January 24, 2018.	N/A		

		Table A-5.1 Sewer Pump Station Sys	stems	
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	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	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

		Table A-5.1 Sewer Pump Station Sys	stems	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.18	Upgrade of PSs Nos. 0441, 0491, 0710, 0827, 0852, 1236	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 0710 Compliance Project 4) Pump Station 0852 Compliance Project 5) Pump Station 0852 Compliance Project 6) 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.	 5.18(2) Construction continued 5.18(3) Procurement was completed. Construction commenced. 5.18(4) Construction commenced. 5.18(5) Procurement was completed and construction commenced. 5.18(6) Completed on May 1, 2017. 	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

ID	ree Schedule - December 2018 Update	Original	Start	ard Layout w E	Baseline (By Phase) 15-Jan-19 13:14 - Page No.
		Duration	5.0		2010 2017 2010 2013 2020 2021 2022 2022 2023 Q1 Q2 Q3 Q4 Q1 Q2 Q3
ASD Consent D	Decree Schedule - December 2018 Update	6387	12-Dec-10 A	06-Jun-28	
. General Compl		5480	06-Jun-13 A	06-Jun-28	
Program Milestones		5480	06-Jun-13 A	06-Jun-28	
General Compliance Act MC10000	Date of Lodging (DOL)	5480	06-Jun-13 A 06-Jun-13 A	06-Jun-28	
MC10000 MC10010	Effective Date - 6 months from DOL		06-Jun-13 A 06-Dec-13 A		
MC10010 MC10030	Date of Entry (DOE)	0	06-Dec-13 A 09-Apr-14 A		
MC10030	CIP Completion Milestone - 15 Years from DOL		03-Api-14 A	06-Jun-28*	
		-	31-Mar-14 A	06-Jun-28* 02-Mar-20	02-Már-20, Reporting Réquirements
Reporting Requirem					→ 30-Jan-20, Quarterly Reports
Quarterly Reports	Hultu		31-Mar-14 A 31-Mar-14 A	30-Jan-20	v 30-Jan-20, General Compliance Activity
General Compliance Act PM10020	2014 Quarterly Report No 1		31-Mar-14 A 31-Mar-14 A	30-Jan-20 24-Apr-14 A	
PM10020	2014 Quarterly Report No 2	25	30-Jun-14 A	24-Api-14 A 28-Jul-14 A	
PM10030	2014 Quarterly Report No 3		30-Jun-14 A 30-Sep-14 A	30-Oct-14 A	
PM10050 PM10060	2014 Quarterly Report No 3 2014 Quarterly Report No 4	-	30-Sep-14 A 31-Dec-14 A	30-Oct-14 A 30-Jan-15 A	
PM10080	2014 Quarterly Report No 1		31-Dec-14 A 31-Mar-15 A	01-May-15 A	nt No 4
PM10090 PM10100	2015 Quarterly Report No 2	32	31-Mar-15 A 30-Jun-15 A	30-Jul-15 A	Report No 1
PM10100	2015 Quarterly Report No 3	-	30-Sep-15 A	30-Jul-15 A 30-Oct-15 A	arterly Report No 2
PM10120	2015 Quarterly Report No 3 2015 Quarterly Report No 4		30-Sep-15 A 31-Dec-15 A	28-Jan-16 A	15 Quartenly Report No 3
PM50020	2016 Quarterly Report No 1		31-Dec-15 A 31-Mar-16 A	02-May-16 A	2015 Quarterly Report No 4
PM50020	2016 Quarterly Report No 2		30-Jun-16 A	02-May-16 A 01-Aug-16 A	2016 Quarterly Report No 1
PM50030	2016 Quarterly Report No 3	33	30-Sep-16 A	31-Oct-16 A	2016 Quarterly Report No 2
PM50050	2016 Quarterly Report No 4		31-Dec-16 A	31-Jan-17 A	2016 Quartenty Report No 3
PM50220	2017 Quarterly Report No 1		31-Dec-16 A 31-Mar-17 A	01-May-17 A	2016 Quarterly Report No 4
PM50230	2017 Quarterly Report No 2	93	30-Jun-17 A	31-Jul-17 A	2017 Quarterly Report No 1
PM50240	2017 Quarterly Report No 3		30-Sep-17 A	30-Oct-17 A	2017 Quarterly Report No 2
PM50240	2017 Quarterly Report No 4		31-Dec-17 A	30-Jan-18 A	2017 Quarterly Report No 3
PM50260	2018 Quarterly Report No 1		31-Mar-18 A	30-Apr-18 A	2017 Quarterly Report No 4
PM50270	2018 Quarterly Report No 2	31	30-Jun-18 A	26-Jul-18 A	2018 Quarterly Report No 1
PM50280	2018 Quarterly Report No 3	31	30-Sep-18 A	30-Oct-18 A	2018 Quarterly Report No 2
PM50290	2018 Quarterly Report No 4	32	31-Dec-18*	31-Jan-19	2018 Quarterly Report No 3
PM50580	2019 Quarterly Report No 1	32	31-Mar-19*	01-May-19	2018 Quarterly Report No 4
PM50590	2019 Quarterly Report No 2	31	30-Jun-19*	30-Jul-19	2019 Quarterly Report No 1
PM50600	2019 Quarterly Report No 3	31	30-Sep-19*	30-Oct-19	2019 Quarteny Report No 2
PM50610	2019 Quarterly Report No 4	31	31-Dec-19*	30-Jan-20	2019 Quarterly Report No 3
Semi Annual Reports		2042	30-Jun-14 A	31-Jan-20	□ 2019 Quarterly Report No 4. ▼ 31-Jan-20, Semi Annual Reports
General Compliance Act		2042	30-Jun-14 A	31-Jan-20	▼ 31-Jan-20, General Compliance Activity
PM10040	2014 Semi Annual Report No 1	31	30-Jun-14 A	30-Jul-14 A	1
PM10070	2014 Semi Annual Report No 2	34	31-Dec-14 A	02-Feb-15 A	eport:No 2
PM10110	2015 Semi Annual Report No 1	31	30-Jun-15 A	30-Jul-15 A	mi Arinual Report No 1
PM10150	2015 Semi Annual Report No 2	32	31-Dec-15 A	01-Feb-16 A	2015 Sémi Annual Report/No 2
PM50060	2016 Semi Annual Report No 1	33	30-Jun-16 A	01-Aug-16 A	2016 Semi Annual Report No 1
PM50070	2016 Semi Annual Report No 2	32	31-Dec-16 A	31-Jan-17 A	■ 2016 Sémi Arinual Report No 2
PM50300	2017 Semi Annual Report No 1	93	30-Jun-17 A	31-Jul-17 A	2010 Cermi Annual Report No 1
PM50310	2017 Semi Annual Report No 2	32	31-Dec-17 A	31-Jan-18 A	2017 Sémi Annual Report No 2
PM50320	2018 Semi Annual Report No 1	32	30-Jun-18 A	30-Jul-18 A	2018 Semi Arinual ReportNo 1
PM50330	2018 Semi Annual Report No 2	32	31-Dec-18*	31-Jan-19	2018 Semi Annual Report No 2
PM50620	2019 Semi Annual Report No 1	31	30-Jun-19*	30-Jul-19	2019 Sémi Annual Report No 1
PM50630	2019 Semi Annual Report No 2	32	31-Dec-19*	31-Jan-20	2019 Semi Arnual ReportNo 2 02-Mar-20, Annual Report
Annual Report			31-Dec-14 A	02-Mar-20	
General Compliance Act			31-Dec-14 A	02-Mar-20	▼ 02-Már-20, General Compliance Activity
PM10080	2014 Amual Report		31-Dec-14 A	02-Mar-15 A	
PM10140	2015 Annual Report		31-Dec-15 A	01-Mar-16 A	2015 Annual Report
PM50080	2016 A mual Report	62	30-Dec-16 A	01-Mar-17 A	2016 Annual Report
PM50340	2017 Annual Report		31-Dec-17 A	01-Mar-18 A	2017 Annual Report
PM50350	2018 Annual Report	61	31-Dec-18	01-Mar-19*	2018 Annual Report
PM50640	2019 Annual Report	63	31-Dec-19*	02-Mar-20	
	ent/Construction Management Support	3549	06-Jun-14 A	25-Jun-24	
General Compliance Act		3549	06-Jun-14 A	25-Jun-24	
	WWIP				
1.01 Headworks		1848	02-Feb-15 A	23-Feb-20	
Engineering Design			02-Feb-15 A	26-Apr-16 A	
SD10100	Engineering Design - SD Headworks	26	02-Feb-15 A	27-Feb-15 A	Engineering Design - SD Headworks
PM50000 South District V 1.01 Headworks Engineering De sign SD10100	Program Management/Construction Management WWTP Engineering Design - SD Headworks MIAMI-DADE WA' CONOMIC GROWTH.	3549 4381 1848 449 26	06-Jun-14 A 19-Nov-13 A 02-Feb-15 A 02-Feb-15 A 02-Feb-15 A DEEPA	25-Jun-24 16-Nov-25 23-Feb-20 26-Apr-16 A 27-Feb-15 A	ENT Summary (Remaining) Critical Rem. Work Date Revision Checked Summary (Actual) ♦ ♦ Milestone 14-Jul-14 Revision 0 GSR E



	cree Schedule - December 2018 Update Activity Name	Standard Layout w Baseline (By Phase) Original Start Finish 2016 2017 2018 2019 2020 2021										15-Jan-19 13:15 - Pa 2022 2023										
		Duration			Q1 Q2 G								Q4 Q		Q4 Q1		Q4 Q1		3 Q4			Q4
D42920	EPA Start Date for Engineering Design - SD Headworks	0	01-Oct-15 A		Start Date for	Engineerir	ng Design - SE	Headworks														
D41910	EPA Compliance Date for Engineering Design - SD Headworks	0		26-Apr-16 A			e Date for En			Headworks										<u>.</u>		
mitting		814	02-Feb-15 A	26-Apr-17 A			26-A	pr-17 A, Per	mitting													
D10120	Permitting - SD Headworks	26	02-Feb-15 A	27-Feb-15 A			Perr	nittin¦g - SD ⊢	leadworks													
D42930	EPA Start Date for Permitting - SD Headworks	0	27-Apr-16 A		♦ EPA	Start Date	for Permitting	- SD Headw	vorks													
D41920	EPA Compliance Date for Permitting - SD Headworks	0		26-Apr-17 A			🔶 EPA	Compliance	Date for I	ermitting -	SD Head	vorks										
ocurement		1183	02-Feb-15 A	26-Aug-19	_							26	5-Aug-19	9, Procureme	nt							
D42940	EPA Start Date for Procurement - SD Headworks	0	27-Apr-17 A				🔶 EPA	Start Date fo	or Procure	ment - SD	Headwork	s										
D41960	EPA Compliance Date for Procurement - SD Headworks**	0		26-Apr-18 A					e E	A Complia	n <mark>c</mark> e Date f	or Procuren	nent - S	D Headworks	**							
D10220	Procurement - SD Headworks	1180	02-Feb-15 A	26-Aug-19								Pr		nent - SD Head								
nstruction		1798	26-Jul-15 A	23-Feb-20		1			1					₹ 23-Feb-20,	Construction	4						
D41510	Rehab Grit #1 (Screens #2) - SD Headworks	358	26-Jul-15 A	23-Oct-15 A	hab Grit #1 (Sc	reens #2)	- SD Headwo	ks														
D42950	EPA Start Date for Construction - SD Headworks	0	27-Apr-18 A						♦ EF	A Start Da	te for Con	struction - S	D Head	works								
D41370	Rehab Grit #2 (Screen #1) - SD Headworks	120	01-Nov-18 A	28-Feb-19							Re	hab Grit #2	(Screer	n #1) - SD Hea	adworks							
D41380	Rehab Grit #1 (Screen #1) - SD Headworks	62	31-Dec-18*	02-Mar-19							Re	hab Grit #1	(Scree	n #1) - SD Hea	adworks				1			
D44340	Rehab Grit #2 (Screen #2) - SD Headworks	90	31-Dec-18*	30-Mar-19							F	Rehab Grit #	≠2 (Ścre	en #2) - SD H	leadworks							
D44350	Rehab Grit #2 (Screen #3) - SD Headworks	123	02-Mar-19*	02-Jul-19										2 (Screen #3)		orks						
D44360	Rehab Grit #2 (Screen #4) - SD Headworks	90	15-Apr-19*	13-Jul-19								1 1		2 (Screen #4)		1 1 1			1			
D41310	Rehab Grit #1 (Screen #4) - SD Headworks	90	15-Jul-19*	12-Oct-19										Grit #1 (Scree								
D10300	Construction - SD Headworks	1698	26-Jul-15 A	30-Oct-19									1		on - SD Head	1 - 1			1			
D41320	Rehab Grit #1 (Screen #3) - SD Headworks	120	03-Jul-19*	30-Oct-19		Ī							Reha	ab Grit #1.(Scr	صح - (een #3	Headworks						
D10460	Substantial Completion (CD Compliance Date 2/23/20) - SD Headworks	0		30-Oct-19*										tantial Comple			2/23/201	- SD Headw	orks			
D40000	Project Closeout - SD Headworks	90	31-Oct-19	28-Jan-20*										Project Close				C2 I IOAUW			i.	
D41970	EPA Compliance Date for Construction - SD Headworks	0		23-Feb-20*									<u> </u>		1 1	1 1 1		adworks	1			
ject Administration	1	1838	02-Feb-15 A	28-Jan-20										ÉPA Comp 28-Jan-20, P	roject Admin	istration					· · · · · · · · · · ·	
D35000	WASD Project Administration - SD Headworks	1838	02-Feb-15 A	28-Jan-20		<u> </u>	<u> </u>			<u> </u>				WASDProje	ct Administra	tion - SD Head	dworks					
Oxygen Produ	uction	2658	17-Nov-14 A	25-Feb-22												געורייאני געער געורייאני		25-Feb-22	2, 1.02 0	Dxygen Prod	liction	
-Design		1131	17-Nov-14 A	08-Jan-18 A					08-Jan-18	A, Pre-De	sign											
D11232	Pre-Design - SD Oxygen Production	143	17-Nov-14 A	08-Apr-15 A	Oxygen Produ	otion																
042420	Negotiations for ESDC & Stormwater Permit - SD Oxygen Production	497	14-Jul-15 A	21-Nov-16 A																		
044370	Allowance Request Proposal for Re-Bid - SD Oxygen Production	22	26-Oct-17 A	08-Jan-18 A			legotiations fo	i i	- i i	i	- i	i i		Der die der								
gineering Design		515	01-Jan-15 A	29-May-16 A	29	May-16 A	, Engineering	Design	Allowance	Request	roposal I	or Re-Bid - 3	SD QXVC	gen Productio	n	÷					····-	
D42960	EPA Start Date for Engineering Design - SD Oxygen Production**	0	01-Jan-15 A				Dural vite	-++														
D20180	Basis of Design Report (BODR) - SD Oxygen Production	100	03-Apr-15 A	11-Jul-15 A	1 1	1 1	gen Productio															
D20190	BODR Review Period - SD Oxygen Production	14	12-Jul-15 A	25-Jul-15 A		- i i i	D Oxygen Pro	auction														
D20200	30% Design Submittal - SD Oxygen Production	16	26-Jul-15 A	10-Aug-15 A	view Period - S																	
D20200	30% Design Review - SD Oxygen Production	7		17-Aug-15 A			en Production															
D20210 D20220	60% Design Newew - 2D Oxygen Production	49	18-Aug-15 A	05-Oct-15 A	sign Review - S																	
D20220 D30990	Develop Equipment Pre-Purchase Package - SD Oxygen Production	49	29-Sep-15 A	05-Oct-15 A		1 1	Dxvaen Produ															
D20230	60% Design Review - SD Oxygen Production	1	05-Oct-15 A	13-Oct-15 A			hase Package		n Product	on												
D20230 D20240	100% Design Submittal - SD Oxygen Production	55	14-Oct-15 A	07-Dec-15 A			vaen Producti												1			
D20240 D10050	Engineering Design - SD Oxygen Production	311	03-Apr-15 A	07-Dec-15 A 07-Feb-16 A			SD Oxygen F		otion													
				_		gineering	Design - SD C	kygen Proau	Iction													
D40120	100% Design Review/Permit Ready Submittal - SD Oxygen Production	62	08-Dec-15 A	07-Feb-16 A	100% Des	ign Review	v/Permit Read	/ Submittal -	- SD Oxyg	en Producti	on											
D41980	EPA Compliance Date for Engineering Design - SD Oxygen Production	0	00 E-h 40 A	29-May-16 A		A.Complia	nce Date for 19	ngineering I Mav-17 A P	Design - S	D Oxygen	Production					+						
mitting	EDA Start Data for Domitting SD Owner Draduction	466	08-Feb-16 A	19-May-17 A																		
D42970	EPA Start Date for Permitting - SD Oxygen Production	0	30-May-16 A	11 Apr 17 A	€_	A Start Da	te for Permitti															
D10090	Permitting - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A			Pe	mitting - \$D	Oxygen F	roduction												
D41810	RER Derm Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A				Derm Permit											1			
D42890	Building Dept. Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A			Buildi	na Þept. Þer	rmit - SD C	xvaen Pro	duction										÷	
D41820	Stormwater Permit - SD Oxygen Production	141	22-Nov-16 A	11-Apr-17 A		. 🗖	Storm	water Petmi	it - SD Oxy	gen Produ	ction											
D41990	EPA Compliance Date for Permitting - SD Oxygen Production	0	45.4	19-May-17 A				Complianc	e Date for	Permitting	SD Oxyo	en Product	ion .		07 14	/20, Procuren	nent					
curement	Dro Durchaso Rid Dadrago (Control Dapole) SD Ourses Deduction	1521	15-Aug-15 A	07-Nov-20													nont		1			
D41250	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production	298	15-Aug-15 A	10-Dec-15 A	Pre-Purchase		ge (Control Pa															
D42980	EPA Start Date for Procurement - SD Oxygen Production	0	26-Nov-16 A		-		EPA Start Date				1 · · ·											
D30140	Design Documents sent to Procurement - SD Oxygen Production	0	28-Nov-16 A	04 5-5 47 4	_	• • •	Design Docum	ents sent to	Procurem	ent - \$D O	w <mark>gen P</mark> roc	luction										
031160	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production	146	09-Sep-16 A	01-Feb-17 A	_	- -	Pre-Purch	ise Bid Pack	kaqe (Air C	ompressor	s) - SD Ox	vaen Produ	ction									
031170	Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production	0	02-Feb-17 A	04 5 1 15 1	_		♦ Advertise	Pre-Purchase	e Package	(Air Comp	ressors) - :	SD Oxvaen	Product	tion								
D30150	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production	86	28-Nov-16 A	21-Feb-17 A	_	- i 📫	Submit/A	pprove SBD	Goals an	Request	to Advertis	e - SD Oxyo	aen Pro	duction								
030160	Advertise Bid Packages - SD Oxygen Production	0	22-Feb-17 A		_		Advertise	Bid Packag	es - SD O	vgen Prod	uction											
030170	Bid Solicitation Period - SD Oxygen Production	105	22-Feb-17 A	06-Jun-17 A			Bi	d Solicitation	Period -	SD Oxygen	Productio	n										
030180	Bids Due - SD Oxygen Production	0	07-Jun-17 A				♦ В	ds Due - SD	Oxygen F	roduction												
031180	Vendor Bid & Award (Air Compressors)- SD Oxygen Production	174	02-Feb-17 A	25-Jul-17 A				Vendor Bid	& Award	(Air Compr	essors) : Sl	Oxygen P	roductio	on								
031190	Vendor NTP (Air Compressors) - SD Oxygen Production	0	26-Jul-17 A				•	Vendor NT	P (Áir Con	pressors)	SD Oxyge	en Productio	on									
042000	EPA Compliance Date for Procurement - SD Oxygen Production	0		30-Sep-17 A					- i i	i i	- i -	nt - SD Oxyo	i	duction								
D30190	Bid Review Period - SD Oxygen Production	180	07-Jun-17 A	27-Nov-17 A			- i 📫			eriod - SD	• •											
D44380	Bids Rejected - SD Oxygen Production	0		27-Nov-17 A					- i i	d - SD Oxy	- i -	i i										
D44500	RTA Approval for Revised Packages - SD Oxygen Production	30	12-Mar-18 A	23-Mar-18 A									SDOw	gen Productio	on							
D44280	Revise Bid Packages - SD Oxygen Production	30	08-Jan-18 A	04-Apr-18 A							1 i i	D Oxygen P										
D44610	Submit/Approve SBD Goals for Revised Packages - SD Oxygen Production	4	05-Apr-18 A	08-Apr-18 A				-						ckages - \$D O	waen Produ	ction						
D44290	Re-Advertise Bid Packages - SD Oxygen Production	0	09-Apr-18 A								1 · ·	es - SD Ox			. "gen nouu							
D44300	Bid Solicitation Period for Revised Packages - SD Oxygen Production	90	09-Apr-18 A	20-Jun-18 A						- i	1 i i	- i - i		kages - SD Ox	viten Produc	tion						
D44310	Bids Due for Revised Packages - SD Oxygen Production	0	21-Jun-18 A		1										1 1	uUII						
	Bid Review Period for Revised Packages - SD Oxygen Production	30		30-Aug-18 A	-1				•	Dius; Due	IVI REMSE			Dxygen Produc			: 1					
D44320											1			ckaģes - \$D O								

	ree Schedule - December 2018 Update				aseline (By Phase) 15-Jan-19 13:15 - Page No.
	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4
SD10160	Procurement - SD Oxygen Production	448	28-Nov-16 A	26-Oct-18 A	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
D30210	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Oxygen Production	-	31-Aug-18 A	26-Oct-18 A	
D41280	Vendor Bid & Award (Control Panels)- SD Oxygen Production	120	11-Dec-15 A	31-Mar-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Oxygen Production
041290	VendorNTP (Control Panels) - SD Oxygen Production	0	01-Apr-19	of marine	Vendor Bid & Award (Control Panels)- SD Oxygen Production
041260	Pre-Purchase Control Panels (Summary) - SD Oxygen Production	640	15-Aug-15 A	11-Dec-19	Vendor NTP (Cantrol Panels) - SD Owgen Production
X1200 X1300	Fabricate & Deliver Control Panels - SD Oxygen Production	255	01-Apr-19	11-Dec-19	Pre-Purchase Control Panels (Summary) - SD Oxygen Production
		433		11-Dec-19	Fabricate & Deliver Control Panels - SD Oxygen Production
031200	Fabricate & Deliver Air Compressor No. 4 - SD Oxygen Production		26-Jul-17 A		Fabricate & Deliver Air Compression No: 4 - SD Oxygen Production
030000	Pre-Purchase Air Compressors (Summary) - SD Oxygen Production	1006	09-Sep-16 A	07-Nov-20	Pre-Purchase Air Compressors (Summary) - SD Owgen Production
041580	Refurbish & Deliver Air Compressor No. 3 - SD Oxygen Production	267	15-Feb-20	07-Nov-20	Refurbish & Deliver Air Compressor No. 3 - SD. Owgen Production
struction		2146	12-Apr-16 A	25-Feb-22	
41590	Install New Oil/Water Separator (WASD)	43	12-Apr-16 A	24-May-16 A	Install New OilWate r Separator (WA\$D)
42990	EPA Start Date for Construction - SD Oxygen Production	0	01-Oct-17 A		EPA Start Date for Construction - SD Oxygen Production
030220	Contractor NTP - SD Oxygen Production	0	07-Jan-19*		Contractor NTP - SD Oxygen Production
41530	Construct New Electrical Building	412	07-Jan-19	22-Feb-20	Construct New Electrical Building
41830	Install Instrumentation and Controls	60	02-Jan-20	01-Mar-20	install Instrumentation and Controls
41540	Install & Test Compressor No. 4	120	21-Feb-20	19-Jun-20	Install & Test Compressor No. 4
41570	Disassemble, Ship, Refurbish and Return Compressor No. 3	120	20-Jun-20	17-Oct-20	Disassemble, Ship, Refurbish and Return Compressor No. 3
10260	Construction (Consent Decree) - SD Oxygen Production	791	07-Jan-19	07-Mar-21	Construction (Conserve SD Davge
41550	Install & Test Compressor No. 3	120	08-Nov-20	07-Mar-21	Install & Test Compressor No. 3
010440	Construction Completion Milestone #1 (CD Compliance Date 2/25/22) - SD Oxygen Production	0		07-Mar-21*	
41560	Decommission Compressors No. 1 and No. 2	60	08-Mar-21	06-May-21	◆ Construction Completion Milestone #1 (CD Compliance Date/2/25)
43880	Construction (Non-Consent Decree) - SD Oxygen Production	70	08-Mar-21	16-May-21	Decommission Compressors No. 1 and No. 2
44780	Commissioning - SD Oxygen Production	30	17-Apr-21	16-May-21	Construction (Non-Consent Decree) - SD Oxygen Production
43890	Substantial Completion (Non-Consent Decree) - SD Oxygen Production			16-May-21	Commissioning - SD Oxygen Production
		0	17 May 01		◆ Substantial Completion (Non-Consent Decrée) - SD Oxygen F
40010 42010	Project Closeout - SD Oxygen Production	60	17-May-21	15-Jul-21* 25-Feb-22*	Project Closeout - SD Oxygen Production
	EPA Compliance Date for Construction - SD Oxygen Production	0			◆ EPA Compliance Date for Construction - S
ect Administration	MAND Devices Advantation CD Oceanse Devices	1953	03-Apr-15 A	15-Jul-21	V ISOURZI, Project Automisiation
35010	WASD Project Administration - SD Oxygen Production	1953	03-Apr-15 A	15-Jul-21	
Oxygenation Tra	ains	3941	02-Feb-15 A	16-Nov-25	
neering Design		914	15-Feb-17 A	01-Nov-19	v 01-Nov-19, Engineening Design
43000	EPA Start Date for Engineering Design - SD Oxygenation Trains	0	31-Mar-17 A		♦ EPA Start Date for Engineering Design - SD Oxygenation Trains
42020	EPA Compliance Date for Engineering Design - SD Oxygenation Trains	0		30-Sep-19*	♦ EPA Compliance Date for Engineering Design - SD Cygenation Trains
10190	Engineering Design - SD Oxygenation Trains	580	15-Feb-17 A	01-Nov-19	Engineering Design - SD Oxygenation Trains
nitting		335	02-May-19	31-Mar-20	✓ 31-Mar-20, Permitting
43010	EPA Start Date for Permitting - SD Oxygenation Trains	0	01-Oct-19*		♦ EPA Start Date for Permitting - SD Oxygenation Trains
010250	Permitting - SD Oxygenation Trains	180	02-May-19	28-Oct-19	Permitting-SD Oxygenation Trains
42030	EPA Compliance Date for Permitting - SD Oxygenation Trains	0		31-Mar-20*	
curement		1431	21-Mar-17 A	30-Sep-22	♦ EPA Compliance Date for Permitting - SD Oxyge nation Trains 30-Sep-22, Produrement
43020	EPA Start Date for Procurement - SD Oxygenation Trains	0	30-Sep-18 A		♦ EPA Start Date for Procurement - \$D Oxygenation Trains
42040	EPA Compliance Date for Procurement - SD Oxygenation Trains	0		17-Jul-19*	
10330	Procurement - SD Oxygenation Trains	1370	21-Mar-17 A	30-Sep-22	EPA Compliance Date for Procurement - SD Oxygeriation Trains
struction		3941	02-Feb-15 A	16-Nov-25	
43030	EPA Start Date for Construction - SD Oxygenation Trains	0	18-Jul-19*	10110720	
41680	Construction - SD Oxygenation Trains	2979	02-Feb-15 A	28-Jan-24	◆ EPA Staft Date for Construction - SD Oxygenation Trains
41730	Substantial Completion (CD Compliance Date 11/16/25) - SD Oxygenation Trains	0	02100107	28-Jan-24*	
42050	EPA Compliance Date for Construction - SD Oxygenation Trains	0		16-Nov-25*	
					13-May-23,
.,	Trains Structural Rehab		02-Feb-15 A	13-May-23	V 15-Feb-17 A, Pre-Design
Design	Dre Design CD Outgenetien Trains Chryst Debah		31-Aug-16 A	15-Feb-17 A	• • • • • • • • • • • • • • • • • • •
42500	Pre-Design - SD Oxygenation Trains Struct. Rehab		31-Aug-16 A	15-Feb-17 A	Pre-Design - SD Ovgenation Trains Struct. Rehab
neering Design	Engineering Design Train 5 - SD Outpartering Trains Struct Debah	145	15-Feb-17 A	11-Jul-17 A	
42550	Engineering Design Train 5 - SD Oxygenation Trains Struct. Rehab	37	15-Feb-17 A	24-Mar-17 A	Engineering Design Train 5 - SD Oxygenation Trains Struct. Rehab
41660	Engineering Design - SD Oxygenation Trains Struct. Rehab	146	15-Feb-17 A	11-Jul-17 A	Engineering Design - SD Oxygena <mark>ti</mark> on Trans Struct. Rehab
42530	Engineering Design Trains 2, 3, 4, 6, 7 - SD Oxygenation Trains Struct. Rehab	146	15-Feb-17 A	11-Jul-17 A	Engineering Design Trans 2, 3, 4, 6, 7 - SD Owgenation Trains Struct. Rebab
urement			21-Mar-17 A	30-Sep-22	30-Sep-22, Produrement
12600	Procurement Train 5 - SD Oxygenation Trains Struct. Rehab		21-Mar-17 A	01-Jun-17 A	Proculement Train 5 - SD Owgenation Trains Struct. Rehab
12590	Procurement Train 6 - SD Oxygenation Trains Struct. Rehab	96	11-Aug-17 A	23-Jan-18 A	Procurement Train 6-SD Owgenation Trains Struct. Rehab
12580	Procurement Train 4 - SD Oxygenation Trains Struct. Rehab	60	04-Oct-18 A	30-Sep-19	Procurement Train 4 - SD Oxygenation Trains Struct. Rehab
12470	Procurement Train 7 - SD Oxygenation Trains Struct. Rehab	180	04-Apr-20	30-Sep-20*	Procurement Train 7 - SD Oxygenation Trains Struct. Rehab
42610	Procurement Train 3 - SD Oxygenation Trains Struct. Rehab	180	04-Apr-21	30-Sep-21*	Procurement Train 3 - SD Oxygenation Trains Struct
41670	Procurement - SD Oxygenation Trains Struct. Rehab	1700	21-Mar-17 A	30-Sep-22	Produrement - SD Ox/gena
42620	Procurement Train 2 - SD Oxygenation Trains Struct. Rehab	180	04-Apr-22	30-Sep-22*	
struction		3023	02-Feb-15 A	13-May-23	Procurement Train 2 - SD C 13-May-23,
10630	Construction Train 1 - SD Oxygenation Trains Struct. Rehab	341	02-Feb-15 A	08-Jan-16 A	
10550	Construction Train 5 - SD Oxygenation Trains Struct. Rehab	77	17-Mar-17 A	01-Jun-17 A	Construction Train 5 - SD'Oxygenation Trains Str
10490	Construction Train 6 - SD Oxygenation Trains Struct. Rehab	105	23-Jan-18 A	30-May-18 A	Construction Train 5 - SD Oxygenation Train 5
10420	Construction Train 4 - SD oxygenation Trains Struct. Rehab	135	01-Oct-19	12-Feb-20	
					Construction Train 4 - SD/Oxygenation Trains Struct. Rehab
10640	Construction Train 7 - SD Oxygenation Trains Struct. Rehab	135	01-Oct-20	12-Feb-21	
10590	Construction Train 3 - SD Oxygenation Trains Struct. Rehab	135	01-Oct-21	12-Feb-22	Construction Train 3 - SI
10413	Construction - SD Oxygenation Trains Struct. Rehab	2582	02-Feb-15 A	12-Feb-23	
10620	Construction Train 2 - SD Oxygenation Trains Struct. Rehab	135	01-Oct-22	12-Feb-23*	
42850	Project Closeout - SD Oxygenation Trains Struct. Rehab	90	13-Feb-23	13-May-23*	Project Close
ect Administration		2582	02-Feb-15 A	12-Feb-23	Project Close
35020	WASD Project Administration - SD Oxygenation Trains Struct. Rehab	2582	02-Feb-15 A	12-Feb-23	WASD Project Ada
(2) - Oxvgenation	Trains - Mixer Upgrade/Electrical Building (OOL ST-1A/1B)	2739	22-Feb-16 A	22-Aug-23	WASDProject Ado 22-Au
	· · · ·				27-Jun-18 A, Pre-Design

	cree Schedule - December 2018 Update	Original			aseline (By Phase)	15-Jan-19 13:15 - Page No
	Activity Name	Original Duration	Start	Finish	2016 201 Q1 Q2 Q3 Q4 Q1 Q2	7 2018 2019 2020 2021 2022 2023 Q3 Q4 Q1 Q2 Q3 Q4
SD20250	Pre-Design - SD Oxygenation Trains Electrical Building Expansion	974	11-Mar-16 A	11-Jan-18 A		Prel-Design - SD Owgenation Trains Electrical Building Expansion
SD44390	Project Transferred to OOL - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	0		11-Jan-18 A		 Project Transferred to COL - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)
D44590	Pre-Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	974	11-Jan-18 A	27-Jun-18 A		
jineering Design		244	27-Jun-18 A	01-May-19		
20290	75% Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	61	27-Jun-18 A	21-Jan-19		75% Design - Mixer Upgrade/Electrical Building Expansion (OOL/ST-1A/1B)
041710	Engineering Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	153	27-Jun-18 A	01-May-19		
20330	100% Design - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	100	22-Jan-19	01-May-19		Engineering Design - Mixer Upgrade/Electrical Building Expansion (OQL ST-)A/1B)
nitting	······································	180	02-May-19	28-Oct-19		
41690	Permitting - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	180	02-May-19	28-Oct-19		
curement	· · · · · · · · · · · · · · · · · · ·	217	01-Nov-19	04-Jun-20		
041700	Procurement - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	217	01-Nov-19	04-Jun-20		
struction		2739	22-Feb-16 A	22-Aug-23		Procurement - Mixer Upgrade/Electrical Building Expansion (QOL ST-1A/1B)
41450	Construction Train 7 - SD Oxygenation Trains Mixer Upgrade	131	22-Feb-16 A	01-Jul-16 A	•	
20258	Contractor Notice to Proceed (NTP) - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	0		01-501-TOA		
		1004	05-Jun-20	04 May 00		 Contractor Notice to Proceed (NTP) - Mixer Upgrade/Electrical Building Expansion (O
20260	Construction - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	1084	05-Jun-20	24-May-23		Constructio
10650	Substantial Completion (CD Compliance Date 11/16/25) - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	0		24-May-23*		◆ Substantial
40020	Project Closeout - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	90	25-May-23	22-Aug-23*		Projection and the second se
ect Administration		1431	27-Jun-18 A	22-Aug-23		
35030	WASD Project Administration - Mixer Upgrade/Electrical Building Expansion (OOL ST-1A/1B)	1431	27-Jun-18 A	22-Aug-23		
(3) - Oxygenatio	n Trains - SS 5/6 and SS 15/16 (OOL ST-2D)	2926	22-Feb-16 A	25-Feb-24		
Design		308	12-Jan-17 A	28-Jan-19	· · · · · · · · · · · · · · · · · · ·	v 28-Jan-19, Pre-Design
43520	Pre-Design (Mixer Evaluation) - SD Oxygenation Trains Mixer Upgrade	308	12-Jan-17 A	06-Nov-17 A		Pre-Design (Mixer Evaluation) - SD Oxygenation Trains Mixer Upgrade
44560	Pre-Design - SS 5/6 and SS 15/16 (OOL ST-2D)	308	11-Jan-18 A	28-Jan-19		
neering Design	- · · ·	277	29-Jan-19	01-Nov-19		. Pre-Design - SS 5/6 and SS 15/16 (OQL ST-2D). ↓ 01-Nov-19, Engineering Design
44570	60% Design - SS 5/6 and SS 15/16 (OOL ST-2D)	178	29-Jan-19	25-Jul-19		
44580	100% Design - SS 5/6 and SS 15/16 (OOL ST-2D)	85	26-Jul-19	18-Oct-19		60% Design - \$\$ 5/6 and \$\$ 15/16 (OOL ST-2D)
43530	Engineering Design - SS 5/6 and SS 15/16 (OOL ST-2D)	277	29-Jan-19	01-Nov-19		100% Design - SS 5/6 and SS 15/16 (OOL ST-2D)
			02-Nov-19	29-Apr-20		Engineering Design - So 5/6 and SS 15/16 (OOL ST-2D)
nitting 44510	Permitting - SS 5/6 and SS 15/16 (OOL ST-2D)	180 180	02-Nov-19 02-Nov-19	29-Apr-20 29-Apr-20		· · · · · · · · · · · · · · · · · · ·
	Feinituing - 33 3/6 and 33 13/16 (UOL 31-2D)			· ·		Permitting - S\$ 5/6 and S\$ 15/16 (OOL ST-2D)
urement		219	02-Jun-20	06-Jan-21		
44520	Procurement - SS 5/6 and SS 15/16 (OOL ST-2D)	219	02-Jun-20	06-Jan-21		Procurement - \$\$ 5/6 and \$\$ 15/16 (OOL ST-2D)
struction		1145	07-Jan-21	25-Feb-24		
41410	Contractor Notice to Proceed (NTP) - SS 5/6 and SS 15/16 (OOL ST-2D)	0	07-Jan-21			Çontractor Nộtice tộ Pro
43400	Construction - SS 5/6 and SS 15/16 (OOL ST-2D)	1117	07-Jan-21	28-Jan-24		
41400	Substantial Completion (CD Compliance Date 11/16/25) - SS 5/6 and SS 15/16 (OOL ST-2D)	0		28-Jan-24		
43840	Project Closeout - SS 5/6 and SS 15/16 (OOL ST-2D)	28	29-Jan-24	25-Feb-24*		
ect Administration		2307	22-Feb-16 A	25-Feb-24		
044140	WASD Project Administration - SS 5/6 and SS 15/16 (OOL ST-2D)	2307	22-Feb-16 A	25-Feb-24		
Chlorine Build	ing	2184	15-Aug-17 A	07-Aug-23		▼ 07-Au
Design		181	15-Aug-17 A	16-Jul-18 A		V 16-Jul-18 A, Pre-Design
011162	Pre-Design - SD Chlorine Building	181	15-Aug-17 A	16-Jul-18 A		
ineering Design		312	-	10-Apr-19		L Pre-Design - SD Chlorine Building ↓ 10-Apr-19, Engineering Design
20340	Technical Memo (TM) - SD Chlorine Building	60	17-Jul-18 A	17-Sep-18 A		
20350	TM Review Period - SD Chlorine Building	14		27-Sep-18 A		Techhical Memo (TM) - SD Chlorine Building
43040	EPA Start Date for Engineering Design - SD Chlorine Building	0	01-Dec-18 A	27 000 1077		TM Review Period - SD Chlorine Building
		25		04 Dec 19 4		EPA Start Date for Engineering Design - SD Chlorine Building
20360	30% Design Submittal - SD Chlorine Building	35	28-Sep-18 A	04-Dec-18 A		30% Design Submittal - SD Chilorine Building
20370	30% Design Review - SD Chlorine Building	10		04-Jan-19		🔲 30% Desian Review - SD Chlorine Building
45380	60% Design Submittal - SD Chlorine Building	27	05-Jan-19	31-Jan-19		60% Design Submittal - SD Chlorine Building
20400	100% Design Submittal - SD Chlorine Building	30	01-Feb-19	02-Mar-19		100% Design Submittal - SD Chlorine Building
10350	Engineering Design - SD Chlorine Building	312	17-Jul-18 A	20-Mar-19		Engineering Design - SD Chlorine Building
40140	100% Design Review/Permit Ready Submittal - SD Chlorine Building	18	03-Mar-19	20-Mar-19		100% Design Review/Permit Ready Submittal - SD Chlorine Building
42060	EPA Compliance Date for Engineering Design - SD Chlorine Building	0		10-Apr-19*		
nitting		385	22-Mar-19	09-Apr-20		EPA Compliance Date for Engineering Design - SD Chlorine Building O9 Apr-20, Permitting
43050	EPA Start Date for Permitting - SD Chlorine Building	0	11-Apr-19*			Epó Stad Date for Domiting SD Oblance Dilation
10380	Permitting - SD Chlorine Building	180	22-Mar-19	17-Sep-19		EPA Start Date for Permitting - SD Chlorine Building Permitting - SD Chlorine Building
42070	EPA Compliance Date for Permitting - SD Chlorine Building	0		09-Apr-20*		
urement	,	570	18-Sep-19	09-Apr-21		EPA Compliance. Date for Permitting - SD Chlorine. Building 09-Apr-21, Procurement
43430	Internal Bid Package Review - SD Chlorine Building	310	18-Sep-19	20-Sep-19		
30490	Design Documents Sent to Procurement - SD Chlorine Building	0	21-Sep-19			I Internal Bid Package Review - SD Chlorine Building
		-	•	10 Nov 10		Design Documents Sent to Procurement - SD Chlorine Building
30500	Submit/Approve SBD Goals and Request to Advertise - SD Chbrine Building	60	21-Sep-19	19-Nov-19		Submit/Approve SBD Goals and Request to Advertise - SD Chlorine Building
30510	Advertise Bid Package - SD Chlorine Building	0	20-Nov-19	46.1		♦ Advertişe Bid Package - \$D Chlorine Building
30520	Bid Solicitation Period - SD Chlorine Building	60	20-Nov-19	18-Jan-20		📛 Bid Solicitation Period - SD Chlorine Building
30530	Bids Due - SD Chlorine Building	0	19-Jan-20			♦ Bids Due - SD Chlorine Buildina
30540	Bid Review Period - SD Chlorine Building	30	19-Jan-20	17-Feb-20		Bid Review Period + SD Chlorine Building
30550	Award Recommendation - SD Chlorine Building	0		17-Feb-20		♦ Award Recommendation - SD Chlorine Building
43060	EPA Start Date for Procurement - SD Chlorine Building - SD Chlorine Building	0	10-Apr-20*			 EPA Start Date for Procurement - SD Chlorine Building - SD Chlorine Building
10470	Procurement - SD Chlorine Building - SD Chlorine Building	210	21-Sep-19	17-Apr-20		Procurement - SD Chlorine Building - SD Chlorine Building
30560	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Chlorine Building	60	18-Feb-20	17-Apr-20		
42080	EPA Compliance Date for Procurement - SD Chlorine Building - SD Chlorine Building	00	101 00-20	09-Apr-21*		Final Approvals (BCC, Mavor, Risk Mornt,) - SD Chlorine Building
	LI A compliance pare for Froturement - op Chlorine Bullonity - op Chlorine Bullonity	0	40.400	· ·		
struction	Contractor Nation to Dramond (NTD) SD Chlaring Duilding	1207	18-Apr-20	07-Aug-23		
10518	Contractor Notice to Proceed (NTP) - SD Chlorine Building	0	18-Apr-20			Contractor Notice to Proceed (NTP) - SD Chlorine Building
43070	EPA Start Date for Construction - SD Chlorine Building - SD Chlorine Building	0	10-Apr-21*			EPA Start Date for Construction - SD Chlorine Building - SD Chl
			18-Apr-20	09-Jun-21		Const
	Construction - SD Chlorine Building - SD Chlorine Building	418	10-Api-20	00 001121		
10520 44790	Construction - SD Chlorine Building - SD Chlorine Building Commissioning - SD Chlorine Building	418 30	11-May-21	09-Jun-21		Commissioning - SD Chlorine Building

	ee Schedule - December 2018 Update Activity Name	Original	Start	Finish	aseline (By Phase) 15-Jan-19 13:15 - Page No. 5 2016 2017 2018 2019 2020 2021 2022 2023
		Duration			Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q1 Q1 Q1 Q2 Q1
SD40030	Project Closeout - SD Chlorine Building	90	10-Jun-21	07-Sep-21*	Project Closeout + SD Chlorine Building
SD42090	EPA Compliance Date for Construction - SD Chlorine Building - SD Chlorine Building	0		07-Aug-23*	AT Stated Database States and States an
Project Administration SD35040	WARD Project Administration CD Chloring Duilding	1363	17-Jul-18 A	07-Sep-21 07-Sep-21	▼ 07-Sép-21, Project Administration
	WASD Project Administration - SD Chlorine Building	1363 3062	17-Jul-18 A	07-Sep-21 07-Apr-22	WASD Project Administration - SD Chlorine Building
05 Effluent Pump S	tation				27-Jul-18 A, Engineering Design
Engineering Design SD43080	EPA Start Date for Engineering Design - SD Effluent Pump Station	1654	19-Nov-13 A 01-Sep-16 A	27-Jul-18 A	
SD42100	EPA Compliance Date for Engineering Design - SD Effluent Pump Station**	0	01-3ep-10 A	17-May-18 A	♦ EPA Start Date for Engineering Design - SD Effluent Pump Station
SD10170	Engineering Design - SD Effluent Pump Station	1618	19-Nov-13 A	27-Jul-18 A	
Permitting		1837	19-Nov-13 A	14-Dec-18 A	ecquiree ing Description - Declare A permitting
SD43090	EPA Start Date for Permitting - SD Effluent Pump Station	0	18-May-18 A		◆ EPA Start Date for Permitting - SD Effluent Pump Statioh
SD42110	EPA Compliance Date for Permitting - SD Effluent Pump Station	0	-	17-Nov-18 A	◆ EPA Stati Date for Permitting - SD Enderit Pump Station ♦ EPA Compliance Date for Permitting - SD Effluent Pump Station
SD10240	Permitting - SD Effluent Pump Station	1798	19-Nov-13 A	14-Dec-18 A	Permitting + SD Effluent Pump Station
Procurement		2003	18-Feb-14 A	02-Sep-19	02-Sep-19, Procurement
SD43100	EPA Start Date for Procurement - SD Effluent Pump Station	0	18-Nov-18 A		◆ ≢PA Start Date for Procurement - SD Effluent Pump Station
SD42120	EPA Compliance Date for Procurement - SD Effluent Pump Station	0		13-Aug-19*	◆ EPA Compliance Date for Procurement - SD Effluent Pump Station
SD10320	Procurement - SD Effluent Pump Station	1980	18-Feb-14 A	02-Sep-19	Procurement - SD:Effluent Pump Station
Construction		2880	20-May-14 A	07-Apr-22	▼ 07-Apr-22, Construction
SD43110	EPA Start Date for Construction - SD Effluent Pump Station	0	14-Aug-19*	00.0.01	◆ EPA Start Date for Construction - SD Effluent Pump Station
SD10410	Construction - SD Effluent Pump Station	2609	20-May-14 A	22-Aug-21	Construction - SD Effluent Pump Station
SD10570	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent Pump Station EPA Compliance Date for Construction - SD Effluent Pump Station	0		22-Aug-21*	◆ Substantial Complétion (CD Compliance Date 4/07/22) - St
SD42130		2412	19-Nov-13 A	07-Apr-22* 26-Jun-20	
.05 (1) Effluent Pump Pre-Design	Station Wetwell Rehab	2412	19-Nov-13 A 05-Jul-16 A	26-Jun-20 23-Feb-17 A	23-Feb-17 A, Pre-Design
SD42630	Pre-Design - Structural Rehab Wetwells	233	05-Jul-16 A	23-Feb-17 A	
Engineering Design		133	24-Feb-17 A	07-Jul-17 A	Pre-Design - Structural Rehab W etwells
SD41740	Engineering Design - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A	Engineering Design - Structural Rehab Wetwells
SD42660	Engineering Design Wetwell #4 - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A	Engineering Design Wetwell #4 - Structural Rehab Wetwells
SD43790	Engineering Design Wetwells #1-3 - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A	Engineering Design Wetwells #1-3 - Structural Rehab Wetwells, 30-Sep-19, Procurement
Procurement		394	27-Oct-17 A	30-Sep-19	30-Sep-19, Produrement
SD42700	Procurement Wetwell #1 Piping - Structural Rehab Wetwells	35	27-Oct-17 A	23-Jan-18 A	Procurement Wetwell #1 Piping - Structural Rehab Wetwells
SD42710	Procurement Wetwell #2 - Structural Rehab Wetwells	35	27-Oct-17 A	23-Jan-18 A	Procurement Wetwell #2 - Structural Rehab Wetwells
SD44630	Change Order Approval Wetwell#1 - Structural Rehab Wetwells	17	01-Aug-18 A	21-Aug-18 A	Change Order Approval Wetwell#1 - Structural Rehab Wetwells
SD41750	Procurement - Structural Rehab Wetwells	0	27-Oct-17 A	30-Sep-19	Procurement - Structural Rehab Wetwells
SD42690	Procurement Wetwells #3 & 4 - Structural Rehab Wetwells	90	23-Aug-18 A	30-Sep-19	Procurement Wetwells #3,8,4,- Structural Rebab Wetwells
Construction		1958	16-Feb-15 A	26-Jun-20	26-Jun-20; Construction
SD30120	Wetwell #1 Piping - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A	Wetwell #1 Piping - SD Effluent PS Wetwell Rehab
SD30130	Structural Rehab Wetwell #2 - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A	Structural Rehab Wetwell #2 -SD Effluent PS Wetwell Rehab
SD44620	Structural Rehab Wetwell #1 - SD Effluent PS Wetwell Rehab	75	27-Sep-18 A	17-Feb-19	\$tructural Rehab Wetwell #1 - \$D Effluent PS Wetwell Rehab
SD30020	Structural Rehab Wetwell #3 - SD Effluent PS Wetwell Rehab Structural Rehab Wetwell #4 - SD Effluent PS Wetwell Rehab	180	01-Oct-19	28-Mar-20 28-Mar-20	Structural Rehab Wetwell #3 - SD Effluent PS Wetwell Rehab
SD30110 SD11042	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Wetwell Rehab	180	01-Oct-19	28-Mar-20*	Structural Rehab Wetwell #4 - SD Effluent PS Wetwell Rehab
SD31740	Construction - Structural Rehab Wetwells	1472	16-Feb-15 A	29-Mar-20	◆ Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Wethwell Rehab
SD42860	Project Closeout - SD Effluent PS Wetwell Rehab	90	29-Mar-20	26-Jun-20*	Construction - Structural Rehab Wetwells Project Opseout - SD/Effluent PS Wetwell
Project Administration		1582	19-Nov-13 A	28-Mar-20	28-Mar-20, Project Administration
SD35050	WASD Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & WW Rehab	1582	19-Nov-13 A	28-Mar-20	
	Station Building Improvements & Pumps 1-6 Equip.	2089	03-Mar-16 A	20-Nov-21	. WASD Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & WW. Rehab. ▼ 20-Nov-21, 1,05 (2) Effluent Pump Station Building Ir
Pre-Design		592	03-Mar-16 A	24-Oct-17 A	▼ 24-Od-{7A, Pre-Desgn
SD11192	Pre-Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	134	03-Mar-16 A	14-Jul-16 A	Pre-Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD41850	Negotiate Remaining Balance of Work - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	410	01-Sep-16 A	24-Oct-17 A	
Engineering Design		767	14-Jul-16 A	27-Jul-18 A	
SD41840	Technical Memorandum (TM) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	97	14-Jul-16 A	18-Oct-16 A	Technical Memorandum (TM) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.
SD20410	Draft Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	45	24-Oct-17 A	11-Dec-17 A	Draft Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.
SD20420	BODR Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	7	12-Dec-17 A	18-Dec-17 A	BODR Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD44330	Final Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	16	19-Dec-17 A	05-Jan-18 A	Final Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.
SD20450	60% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	77	06-Jan-18 A	23-Mar-18 A	60% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD20460	60% Design Review -SD Effluent PS Building Improvements & Pumps 1-6 Equip.	14	24-Mar-18 A	16-Apr-18 A	60% Design Review -SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD20470	100% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	73	17-Apr-18 A	18-Jun-18 A	100% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip;
SD11102	Engineering Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	191	24-Oct-17 A	27-Jul-18 A	Engineering Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD40150	100% Design Review/Permit Ready Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	25 170	19-Jun-18 A 16-Aug-18 A	27-Jul-18 A 14-Dec-18 A	14-Dec-18 A. Permit Ready Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
ermitting SD11112	Permitting - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	170	16-Aug-18 A 16-Aug-18 A	14-Dec-18 A	Permitting + SD Effluent PS Building Improvements & Pumps 1-6 Equip.
Procurement		270	14-Nov-18 A	02-Sep-19	Permitting - 5D Entuent - 5 Balliong inprovements & Parings 1-6 Equip.
SD43440	Internal Bid Package Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	3	14-Nov-18 A	27-Nov-18 A	
SD30570	Design Documents Sent to Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	07-Dec-18 A		 Internal Bid Package Review - \$D Effluent PS Building (mprovements & Pumps 1-6 Equip. Design Documents Sent to Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD30580	Submit/Approve SBD Goals and Request to Advertise - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	07-Dec-18 A	04-Feb-19	 Design Documents Sent to Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip. Submit/Approve SBD Goals and Request to Advertise - SD Effluent PS Building In provements & Pumps 1-6 Equip.
SD30590	Advertise Bid Package - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	05-Feb-19		 Submit/Approve SBD Goals and Request to Adventse - SD Emilent PS Building in provements & Pumps 1-6 Equip. Advertise Bid Package - SD Effluent PS Building improvements & Pumps 1-6 Equip.
SD30600	Bid Solicitation Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	05-Feb-19	05-Apr-19	
SD30610	Bids Due - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	06-Apr-19		 Bid, Solicitation Period: SD Emilent PS Building improvements & Pumps 1-6 Equip. Bids Due - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD30620	Bid Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	06-Apr-19	05-May-19	 ♥ Bias Due - SD Emuent PS Building Improvements & Pumps 1-6 Equip. ■ Bid Review Périod - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
SD30630	Award Recommendation - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0		05-May-19	■ Bid Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
000000			07 Dec 10 A	02-Sep-19	Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.
	Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	270	07-Dec-18 A	02-3ep-19	Flow Flow Flow Flow Flow Flow Flow Flow
SD11122 SD30640	Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip. Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	120	07-Dec-18 A 06-May-19	02-Sep-19 02-Sep-19	Final Approvals (BCC, Mayor, Risk Mgmt) + SD Effluent PS Building Improvements & Pumps 1-6 Equip.

)	Activity Name	Original	Start	Finish	Baseline (By Phase)	2018	2019	2020
		Duration	otart		Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4			
SD11132	Construction - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	720	03-Sep-19	22-Aug-21				
D44800	Commissioning - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	24-Jul-21	22-Aug-21				
D11142	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0		22-Aug-21*				
D40040	Project Closeout - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	90	23-Aug-21	20-Nov-21*				
oject Administration	rided dosedu - ob Endent ro balang implovements a ramps ro Equip.	1454	24-Oct-17 A	20-Nov-21		·····		
D35060	WASD Project Administration - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	1454	24-Oct-17 A	20-Nov-21				
					▼ 23-Jan-16 A, 1.05 (3) Effluent Pump Station	Electrical Equipment (F	2umps 7+9)	
• •	o Station Electrical Equipment (Pumps 7-9)	796	19-Nov-13 A	23-Jan-16 A	eeing Design			
ngineering Design	Francisco Desires - OD Fiftheast DO Flashing Francisco et (Durano 7.0)	458	19-Nov-13 A	20-Feb-15 A	cenių besųn			
SD11002	Engineering Design - SD Effluent PS Electrical Equipment (Pumps 7-9)	459	19-Nov-13 A	20-Feb-15 A	- SD Effluent PS Electrical Equipment (Pumps	79)		
ermitting	Deministry OD Effluent DO Electrical Environment (Durane 7.0)	90	19-Nov-13 A	17-Feb-14 A				
SD11012	Permitting - SD Effluent PS Electrical Equipment (Pumps 7-9)	91	19-Nov-13 A	17-Feb-14 A		Permitti	ng - SD Effluent PS Ele	ctrical Equipment (Pu
rocurement		90	18-Feb-14 A	19-May-14 A				
SD11022	Procurement - SD Effluent PS Electrical Equipment (Pumps 7-9)	91	18-Feb-14 A	19-May-14 A	al Equipment (Pumps 7-9) ▼ 23-Jan-16 A, Construction			
onstruction		614	20-May-14 A	23-Jan-16 A	23-Jan-16 A, Construction			
SD11032	Fabricate & Deliver Equipment - SD Effluent PS Electrical Equipment (Pumps 7-9)	277	20-May-14 A	20-Feb-15 A	Equipment - SD Effluent PS Electrical Equipme	nt (Pumps 7-9)		
SD30010	Install Electrical Equipment - SD Effluent PS Electrical Equipment (Pumps 7-9)	335	23-Feb-15 A	23-Jan-16 A	Install Electrical Equipment - SD Effluent PS	Electrical Equipment (P	umps 7-9)	
SD43620	Construction - SD Effluent PS Electrical Equipment (Pumps 7-9)	614	20-May-14 A	23-Jan-16 A	 Construction - SD Effluent PS Electrical Equ 23 Jan 16 A, Project Administration 	pment (Pumps 7-9)		
roject Administration		795	19-Nov-13 A	23-Jan-16 A	23-Jan-16 A, Project Administration			
SD44150	WASD Project Administration - SD Effluent PS Electrical Equipment (Pumps 7-9)	796	19-Nov-13 A	23-Jan-16 A	WASD Project Administration - SD Effluent F	S Electrical Equipment	(Pumps 7-9)	
6 Gravity Sludge	Thickeners	3116	03-Jul-14 A	12-Jan-23				
ngineering Design		1520	03-Jul-14 A	18-Aug-18 A			ug-18 A, Engineering De	sign
SD20480	Technical Evaluation of Alternates - SD Gravity Sludge Thickeners	238	03-Jul-14 A	25-Feb-15 A				
SD20550	Negotiate Scope and Cost with MWH - SD Gravity Sludge Thickeners	72	19-Dec-14 A	28-Feb-15 A	n of Alternates - SD Gravity Sludge Thickeners			
D20780	Basis of Design Report (BODR) - SD Gravity Sludge Thickeners	234	13-Apr-15 A	02-Dec-15 A	nd Cost with MWH - SD Gravity Sludge Thicken	i i i i		
	Engineering Design - SD Gravity Sludge Thickeners				Basis of Design Report (BODR) - SD Gravity Slu			
D10280		636	03-Jul-14 A	29-Mar-16 A		Engi	neering Design - SD Gra	wy Sludge Thickene
D41090	Issue Final RDBS - SD Gravity Sludge Thickeners	0		29-Mar-16 A	▲ Issue Final RDB\$ - SD Gravity Sludge TI	nickeners		
D31020	Design Criteria Package Initial Submittal - SD Gravity Sludge Thickeners	145	03-Dec-15 A	26-Apr-16 A	Design Criteria Package Initial Submit	al - SD Gravity Sludge T	hi <mark>c</mark> keners	
SD31010	Pilot Testing of Thickening Process - SD Gravity Sludge Thickeners	252	21-Aug-15 A	29-Apr-16 A	Pilot Testing of Thickening Process - S	D Gravity Sludge Thick	eners	
SD31040	DCP Design Review - SD Gravity Sludge Thickeners	25	25-Apr-16 A	19-May-16 A	DCP Design Review - SD Gravity Slu	1 I I I I I I I I I I I I I I I I I I I		
D31060	Final DCP Submittal - SD Gravity Sludge Thickeners	188	20-May-16 A	23-Nov-16 A	Final DCP Submittal - S		ners	
D43120	EPA Start Date for Engineering Design - SD Gravity Sludge Thickeners	0	01-Jan-18 A				ngineering Design - SD	Grovity Sudgo Thick
D42140	EPA Compliance Date for Engineering Design - SD Gravity Sludge Thickeners	0		18-Aug-18 A	1		· · · · ·	
rmitting		167	29-Jan-16 A	14-Jul-16 A	14 Jul-16 A, Permitting	••••••••••••••••••••••••••••••••••••••	Compliance Date for En	idineering Design - 5
D31070	FDEP Permit - SD Gravity Sludge Thickeners	168	29-Jan-16 A	14-Jul-16 A				
ocurement		1624	29-Mar-16 A	17-Aug-20	FDEP Permit - SD Gravity Sludge			
D31260	RDBS Sent to Procurement - SD Gravity Sludge Thickeners	0	29-Mar-16 A	11 / Kug 20				
SD31470	Submit/Approve SBD Goals and Request to Advertise - SD Gravity Sludge Thickeners	113	29-Mar-16 A	19-Jul-16 A	 RDBS Sent to Procurement - SD Gravity 			
		0		13-501-10 A	Submit/Approve SBD Goals and	Request to Advertise -	SD Gravity Sludge Thick	eners
SD31480	Advertise RDBS - SD Gravity Sludge Thickeners	-	20-Jul-16 A	10.0 10.4	 Advertise RDBS - SD Gravitly Slu 	dae Thickeners		
SD31490	Request for Qualifications - SD Gravity Sludge Thickeners	59	20-Jul-16 A	16-Sep-16 A	Request for Qualifications -	SD Gravity Sludge Thick	er <mark>e</mark> rs	
SD31500	Qualifications Package Due - SD Gravity Sludge Thickeners	0	17-Sep-16 A		 Qualifications Package Due 	- SD Gravity Sludge Thi	ck <mark>e</mark> ners	
SD31510	Qualification Review Period - SD Gravity Sludge Thickeners	91	17-Sep-16 A	16-Dec-16 A	Qualification Review P	eriod - SD Gravity Sludo	e Thickeners	
SD31520	Shortlist Published - SD Gravity Sludge Thickeners	0		16-Dec-16 A	Shortlist Published - S	D Gravity Sludge Thicke	ners	
SD31530	Request for Proposals - SD Gravity Sludge Thickeners	101	24-Jan-17 A	04-May-17 A	Request for	Proposals - SD Gravity S	ludge Thickeners	
D31540	Proposals Due - SD Gravity Sludge Thickeners	0	05-May-17 A			ie - SD Gravity Sludge T		
SD31550	Proposal Review Period & Oral Presentations - SD Gravity Sludge Thickeners	112	05-May-17 A	24-Aug-17 A			al Presentations - SD G	nuttu Sludica Thiokon
SD31560	Award Recommendation - SD Gravity Sludge Thickeners	0	25-Aug-17 A					
D31570	Contract Negotiations - SD Gravity Sludge Thickeners	53	25-Aug-17 A	17-Nov-17 A		1 I I I I I I I I I I I I I I I I I I I	D Gravity Sludge Thicker	
D31580	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Gravity Sludge Thickeners	79	18-Nov-17 A	01-May-18 A			SD Gravity Sludge Thick	
					_ : : : : : : : !	Final Approv	als (BCC, Mayor, Risk M	lgmt.) - SD Gravity SI
D44730	Bid Cancellation - SD Gravity Sludge Thickeners	0		30-May-18 A		Bid Cance	Ilation - SD Gravity Slud	ge Thickeners
D44750	TA Re-Negotiation and Approval - SD Gravity Sludge Thickeners	60	11-May-18 A	23-Jul-18 A		TA Re-	Negotiation and Approve	al - SD Gravity Sludge
D44990	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	29-Aug-18 A		Rec	ei <mark>p</mark> t of Revised Scope of	Services, Submit DF
D45000	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	30	19-Sep-18 A	08-Nov-18 A			Submit approved Revie	
D45010	Project Advertisement (after signed RTA) - SD Gravity Sludge Thickeners	0		08-Nov-18 A			Project Advertisement (
D45020	Step 1 - Submittal Due Date - SD Gravity Sludge Thickeners	40	09-Nov-18 A	11-Jan-19	1			Due Date - SD Gravit
D45040	Select and Approve Competitive Selection Committee (CSC) - SD Gravity Sludge Thickeners	40	31-Dec-18	08-Feb-19				ve Competitive Selec
D45030	Step 1 - Meeting - SD Gravity Sludge Thickeners	30	12-Jan-19	10-Feb-19	1			
D45050	Submit revised OPCC to SBD/WASD for approval - SD Gravity Sludge Thickeners	30	23-Feb-19	24-Mar-19	1		Step 1 - Meeting	
D45360	Issue DCP and Request for Proposals - SD Gravity Sludge Thickeners	15	25-Mar-19	08-Apr-19				OPCC to SBD/WAS
		54		· ·			Issue DCP ar	nd Request for Propo
D45060	Step 2 Submittal Due Date - SD Gravity Sludge Thickeners		09-Apr-19	01-Jun-19	-		🔲 Step 2 Su	ubmittal Due Date - S
D45070	Step 2 Proposal Review and Evaluation - SD Gravity Sludge Thickeners	54	02-Jun-19	25-Jul-19			E Step 2	2 Proposal Review a
D43140	EPA Start Date for Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	0	19-Aug-19*				♦ EPA	Start Date for Procu
D45080	Step 2 Meeting - SD Gravity Sludge Thickeners	30	26-Jul-19	24-Aug-19				o 2 Meeting - SD Gra
D45090	Negotiation Memo submitted to the County Mayor/County Mayor's designee - SD Gravity Sludge Thickeners	30	25-Aug-19	23-Sep-19				egotiation Memo sub
D45100	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director) - SD Gravity Sludge Thicke	40	24-Sep-19	02-Nov-19				Negotiation Memo
D45110	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Gravity Sludge Thickeners	54	03-Nov-19	26-Dec-19				Negotiation Memory Negotiations Co
D45120	Negotiations Concluded (2nd meeting) and preparation of final Contract - SD Gravity Sludge Thickeners	54	27-Dec-19	18-Feb-20	1			
D45130	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Gravity Sludge Thicke	30	19-Feb-20	19-Mar-20				
SD45140		40	20-Mar-20		-			Contract E
	Submit Contract Award Recommendation/Contract for internal approvals - SD Gravity Sludge Thickeners			28-Apr-20	-			🔲 Submit
D45150	Submit Item to Agenda Coordinator for committee & BCC Ratification - SD Gravity Sludge Thickeners	90	29-Apr-20	27-Jul-20				s
SD10430	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	60	29-Mar-16 A	16-Aug-20				
SD44710	Repackage and Rebid Project - SD Gravity Sludge Thickeners	739	09-Aug-18 A	16-Aug-20				
SD45160	Issue NTP - SD Gravity Sludge Thickeners	20	28-Jul-20	16-Aug-20				
	EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners	0		17-Aug-20*				•
SD42160	LEA compliance bale for Froculement - 3D Gravity Studge mickeners	-						

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D	ee Schedule - December 2018 Update	Original	Start	Finish	Baseline (By Phase) 2016 2017 2018 2019 2020
D		Duration	Start	TINST	Q1 Q2 Q3 Q4 Q1 Q2<
SD31590	Design-Builder NTP - SD Gravity Sludge Thickeners	0	17-Aug-20		
SD43150	EPA Start Date for Construction - SD Gravity Sludge Thickeners	0	18-Aug-20*		♦ Desit
SD31090	Final Engineering by Design-Builder - SD Gravity Sludge Thickeners	300	17-Aug-20	12-Jun-21	
SD31100	AHJ Permit Review - SD Gravity Sludge Thickeners	180	13-Feb-21	11-Aug-21	
SD43860	Design-Builder Contract Duration - SD Gravity Sludge Thickeners	819	17-Aug-20	13-Nov-22	╡┊┊┊┊┊┊┊┊┊┊┊┊┊┇┇
SD10500	Construction - SD Gravity Sludge Thickeners	639	13-Feb-21	13-Nov-22	
SD44810	Commissioning - SD Gravity Sludge Thickeners	30	15-Oct-22	13-Nov-22	
SD10600	Substantial Completion (CD Compliance Date 1/06/23) - SD Gravity Sludge Thickeners	0		13-Nov-22*	
SD42170	EPA Compliance Date for Construction - SD Gravity Sludge Thickeners	0		06-Jan-23*	
SD40050	Project Closeout - SD Gravity Sludge Thickeners	60	14-Nov-22	12-Jan-23*	
Project Administration		2380	03-Jul-14 A	12-Jan-23	
SD35070	WASD Project Administration - SD Gravity Sludge Thickeners	2380	03-Jul-14 A	12-Jan-23	
.07 Digesters and C		3432	30-Jun-14 A	21-Nov-23	
Pre-Design		604	18-Feb-15 A	14-Oct-16 A	14-Oct-16 A, Pre-Design
SD20016	Negotiate Scope and Cost with MWH - SD Digesters & Control Building	84	31-Mar-15 A	22-Jun-15 A	
SD42900	Negotiate Scope and Cost with MWH for SS 7 & 8 - SD Sub-Stations 7 & 8 (Non-Consent Decree)	605	18-Feb-15 A	14-Oct-16 A	cope and Cost with MWH - SD Digesters & Control Building
Engineering Design		1039	30-Jun-14 A	04-May-17 A	. Negotiate Scope and Cost with MWH for SS.7 & 8 - SD.Sub-Stations 7 & 8 (Non-Consent Decree). ▼ 04 May-17 A, Engineering Design
SD43160	EPA Start Date for Engineering Design - SD Digesters & Control Building	0	03-Jul-14 A		
SD20006	Basis of Design Report (BODR) - SD Digesters & Control Building	313	30-Jun-14 A	08-May-15 A	sign - SD Digesters & Control Building
SD20000	Review/Revise BODR - SD Effluent Pump Station Building Improvements	45	09-May-15 A	22-Jun-15 A	h Report (BODR) + SD Digesters & Control Building
SD20026	30% Design Submittal - SD Digesters & Control Building	127	23-Jun-15 A	22-Juli-15 A 27-Oct-15 A	ise BODR - SD Effluent Pump Station Building Improvements
					% Design Submittal - SD Digesters & Control Building
SD20036	30% Design Review - SD Digesters & Control Building	24	28-Oct-15 A	20-Nov-15 A	0% Design Review - SD Digesters & Control Building
SD20046	60% Design Submittal - SD Digesters & Control Building	110	21-Nov-15 A	09-Mar-16 A	60% Design Submittal - SD Digesters & Control Building
SD20056	60% Design Review -SD Digesters & Control Building	13	10-Mar-16 A	22-Mar-16 A	60% Design Review -SD Digesters & Control Building
SD20066	100% Design Submittal - SD Digesters & Control Building	86	23-Mar-16 A	16-Jun-16 A	100% Design Submittal - SD Digesters & Control Building
SD10010	Engineering Design - SD Digesters & Control Building	795	30-Jun-14 A	01-Sep-16 A	Engineering Design - \$D Digesters & Control Building
SD40160	100% Design Review/Permit Ready Submittal - SD Digesters & Control Building	77	17-Jun-16 A	01-Sep-16 A	100% Design Review/Permit Ready Submittal - SD Digesters & Control Building
SD42180	EPA Compliance Date for Engineering Design - SD Digesters & Control Building	0		30-Sep-16 A	♦ EPA Compliance Date for Engineering Design - SD Dgesters & Control Building
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-Stations 7 & 8 (Non-Consent Decree)
D41800	60% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	7	04-Feb-17 A	10-Feb-17 A	60% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)
SD42430	100% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	49	11-Feb-17 A	31-Mar-17 A	
D43820	100% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	10	01-Apr-17 A	10-Apr-17 A	100% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)
D42440	100% Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	24	11-Apr-17 A	04-May-17 A	100% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)
ermitting		1069	27-Jul-14 A	30-Jun-17 A	100% Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree) 30-Jun-17 A, Permitting
D43170	EPA Start Date for Permitting - SD Digesters & Control Building	0	27-Jul-14 A	50-501-17 A	
D41860	FDEP Permit - SD Digesters & Control Building	299	26-Oct-15 A	19-Aug-16 A	Digesters & Control Building
				•	FDEP Permit - SD Digesters & Control Building
SD10040	Permitting - SD Digesters & Control Building	569	26-Oct-15 A	16-May-17 A	Permitting - SD Digesters & Contro Building
SD41870	RER DERM Permit - SD Digesters & Control Building	259	31-Aug-16 A	16-May-17 A	RER DERM Permit - SD Digesters & Control Building
SD41880	MDC Building Department Permit - SD Digesters & Control Building	259	31-Aug-16 A	16-May-17 A	MDC Building Department Permit - SD Digesters & Control Building
SD42870	RER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)	12	•	16-May-17 A	RER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)
SD42880	MDC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree)	12	05-May-17 A	16-May-17 A	MDC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree)
D42190	EPA Compliance Date for Permitting - SD Digesters & Control Building	0		30-Jun-17 A	 EPA Compliance Date for Permitting - SD Digesters & Control Building 16-Jul-19, Procurement
rocurement		691	25-Aug-17 A	16-Jul-19	▼ 16-Jul-19, Procurement
D43180	EPA Start Date for Procurement - SD Digesters & Control Building**	0	01-Sep-17 A		EPA Start Date for Procurement - SD Digesters & Control Building**
SD43570	GMOU submittal and approval - SD Digesters & Control Building	23	25-Aug-17 A	16-Sep-17 A	GMQU submittal and approval - SD Digesters & Control Building
D43450	Internal Bid Package Review - SD Digesters & Control Building	62	29-Aug-17 A	18-Oct-17 A	Internal Bid Package Review - SD Digesters & Control Building
SD30320	Design Documents Sent to Procurement - SD Digesters & Control Building	0	19-Oct-17 A		
D30330	Submit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building	60	19-Oct-17 A	11-Jan-18 A	Design Documents Sent to Procurement - SD/Digesters & Control Building
D30340	Advertise Bid Package - SD Digesters & Control Building	0	12-Jan-18 A		Submit/Approve SBD Goals and Request to Advertise - SD Digesters
D30350	Bid Solicitation Period - SD Digesters & Control Building	60	12-Jan-18 A	19-Mar-18 A	Adlvertise Bid Package - SD Digesters & Control Building
SD30350	Bids Due - SD Digesters & Control Building	0	20-Mar-18 A	TO WAP TO A	Bid Solicitation Period - SD Digesters & Control Building
	EPA Compliance Date for Procurement - SD Digesters & Control Building**	0	20-1VId1-10 A	30 Apr 19 A	➡ Bids Due - SD Digesters & Control Building
D42200			20 Mar 40 A	30-Apr-18 A	♦ EPA Compliance Date for Procurement - SD Digesters & Cont
SD30370	Bid Review Period - SD Digesters & Control Building	30	20-Mar-18 A	18-May-18 A	Bid Review Period - SD Digesters & Control Building
D30380	Award Recommendation - SD Digesters & Control Building	0		18-May-18 A	Award Recommendation - SD Digesters & Control Building
SD10080	Procurement - SD Digesters & Control Building	270	19-Oct-17 A	08-Aug-18 A	Procurement - SD Digesters & Control Building
D30390	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building	75	19-May-18 A	08-Aug-18 A	Final Approvals (BCC, Mayor, Risk Momt.) - SD Digeste
D33690	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building	60	09-Aug-18 A	11-Jan-19	Pre-Purchase Bid Package (RTU) - SD Dige
D33710	Advertise Pre-Purchase Package (RTU) - SD Digesters & Control Building	0	12-Jan-19		Advertise Pre-Purchase Package (RTU) - SI
D33720	Vendor Bid & Award (RTU) - SD Digesters & Control Building	60	12-Jan-19	12-Mar-19	Vendor Bid & Award (RTU) - SD Digeste
D33730	Vendor NTP (RTU) - SD Digesters & Control Building	0		12-Mar-19	◆ Vendor NTP (RTU) - SD Digesters & Coi
D33700	Pre-Purchase RTU - SD Digesters & Control Building	272	09-Aug-18 A	16-Jul-19	Pre-Purchase RTU - \$D Digest
D33740	Fabricate & Deliver RTU - SD Digesters & Control Building	126	13-Mar-19	16-Jul-19	
nstruction		2001	01-May-18 A	21-Nov-23	Fabricate & Deliver RTU- SD D
SD43190	EPA Start Date for Construction - SD Digesters & Control Building**	0	01-May-18 A		
D30400	Contractor Notice to Proceed (NTP) - SD Digesters & Control Building	0	08-Aug-18 A	_	♦ EPA Start Date for Construction + SD Digesters & Control Buil
D45350	Substantial Completion (Acid Phase) - SD Digesters & Control Building	0		27-May-21*	
	Construction - SD Digesters & Control Building	1200	08-Aug-18 A	-	
SD10140			•	19-Nov-21	
D44820	Commissioning - SD Digesters & Control Building	30	21-Oct-21	19-Nov-21	
SD10560	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building	0		19-Nov-21*	
SD40060	Project Closeout - SD Digesters & Control Building	90	20-Nov-21	17-Feb-22*	
SD42210	EPA Compliance Date for Construction - SD Digesters & Control Building	0		21-Nov-23*	
oject Administration		2778	30-Jun-14 A	17-Feb-22	
SD35080	WASD Project Administration - SD Digesters & Control Building	2778	30-Jun-14 A	17-Feb-22	
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	ecree Schedule - December 2018 Update Activity Name	Original	Start	Finish	Baseline (By Phase) 2016 2017 2018 2019 2020
		Duration	Citari	1	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q1
re-Design		71	19-Dec-14 A	28-Feb-15 A	Pesign
SD11222	Pre-Design - SD Dewatering Facilities	72		28-Feb-15 A	
ngineering Design		876	01-Jul-14 A	23-Nov-16 A	watering Facilities 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	
SD20000	Basis of Design Report (BODR) - SD Dewatering Facilities	234	13-Apr-15 A	02-Dec-15 A	_ ■ Date for Engineering Design - SD Dewatering Facilities**
SD10030	Engineering Design (DCP) - SD Dewatering Facilities	467	•	29-Mar-16 A	Basis of Design Report (BODR) - SD/Dewatering Facilities
SD41100		-07	· ·	29-Mar-16 A	Engineering Design (DCP) - SD Dewatering Facilities
	Issue Final RDBS - SD Dewatering Facilities				Issue Final RDB\$ - SD Dewatering Facilities
SD20020	Design Criteria Package hitial Submittal - SD Dewatering Facilities	146		26-Apr-16 A	Design Criteria Package Initial Submittal - SD Dewatering Facilities
SD20800	Pilot Testing of Thickening Process - SD Dewatering Facilities	253	•	29-Apr-16 A	Pilot Testing of Thickening Process - SD Dewatering Facilities
SD20030	DCP Design Review - SD Dewatering Facilities	25	•	19-May-16 A	DCP Design Review - SD Dewatering Facilities
SD20040	Final DCP Submittal - SD Dewatering Facilities	188	20-May-16 A	23-Nov-16 A	Final DCP Submittal - SD Dewatering Facilities
ermitting		167	29-Jan-16 A	14-Jul-16 A	V 14 Jul-16 A, Permitting
SD20070	FDEP Permit - SD Dewatering Facilities	168	29-Jan-16 A	14-Jul-16 A	FDEP Permit - SD Dewatering Facilities
rocurement		1624	29-Mar-16 A	16-Aug-20	V 16-Aug
SD31600	RDBS Sent to Procurement - SD Dewatering Facilities	0	29-Mar-16 A		♦ RDBS Sent to Procurement - SD Dewatering Facilities
SD43220	EPA Start Date for Procurement - SD Dewatering Facilities	0	13-Apr-16 A		EPA Start Date for Procurement - SD Dewate ing Facilities
SD31610	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities	113	29-Mar-16 A	19-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities
SD31620	Advertise RDBS - SD Dewatering Facilities	0	20-Jul-16 A		
SD31630	Request for Qualifications - SD Dewatering Facilities	59		16-Sep-16 A	♦ Advertise RDBS - SD Dewatering Facilities
SD31640	Qualifications Package Due - SD Dewatering Facilities	0			Request for Qualifications - SD Dewatering Facilities
SD31650		91	· ·	16-Dec-16 A	
	Qualification Review Period - SD Dewatering Facilities	91	•		Qualification Review Petriod - SD Dewatering Facilities
SD31660	Shortlist Published - SD Dewatering Facilities			16-Dec-16 A	Shortlist Published - SD Dewatering Facilities
SD31670	Request for Proposals - SD Dewatering Facilities	101		04-May-17 A	Request for Proposals - SD Dewatering Facilities
SD31680	Proposals Due - SD Dewatering Facilities	0			Proposals Due - SD Dewatering Facilities
SD31690	Proposal Review Period & Oral Presentations - SD Dewatering Facilities	112	05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentations - SD Dewatering Facilities
SD31700	Award Recommendation - SD Dewatering Facilities	0	25-Aug-17 A		♦ Award Recommendation - SD Dewatering Facilities
SD31710	Contract Negotiations - SD Dewatering Facilities	53	25-Aug-17 A	17-Nov-17 A	Contract Negotiations - SD Dewatering Facilities
SD42240	EPA Compliance Date for Procurement - SD Dewatering Facilities	0		09-Jan-18 A	 EPA Compliance Date for Procurement - SD Dewatering Facilities
SD31720	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities	79	18-Nov-17 A	01-May-18 A	
SD44740	Bid Cancellation - SD Dewatering Facilities	0		30-May-18 A	Final Approvals (BCC, Mayor, Risk Mornt.) - SD Dewatering Faci
SD44760	TA Re-Negotiation and Approval - SD Dewatering Facilities	60	11-May-18 A	23-Jul-18 A	▲ Bid Cancellation - SD Dewatering Facilities
SD45170	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments				TA Re-Negotiation and Approval - SD Dewatering Facilities
				28-Aug-18 A	Receipt of Revised Scope of Services, Submit DRAFT R
SD45180	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40	•	08-Nov-18 A	Submit approved Review Item to SBD, Receipt of S
SD45190	Project Advertisement (after signed RTA) - SD Dewatering Facilities	0		08-Nov-18 A	➡ Project Advertisement (after signed RTA) - SD Dewa
SD45200	Step 1 - Submittal Due Date - SD Dewatering Facilities	40		11-Jan-19	Step 1 - Submittal Due Date - SD Dewatering
SD45220	Select and Approve Competitive Selection Committee (CSC) - SD Dewatering Facilities	40	31-Dec-18	08-Feb-19	Select and Approve Competitive Selection Ct
SD45210	Step 1 - Meeting - SD Dewatering Facilities	30	12-Jan-19	10-Feb-19	Step 1 - Meeting - SD Dewatering Facilities
SD45230	Submit revised OPCC to SBD/WASD for approval -SD Dewatering Facilities	30	23-Feb-19	24-Mar-19	Submit revised OPCC to SBDWASD for a
SD45370	Issue DCP and Request for Proposals - SD Dewatering Facilities	15	25-Mar-19	08-Apr-19	Issue DCP and Request for Proposals - S
SD45240	Step 2 Submittal Due Date - SD Dewatering Facilities	54	09-Apr-19	01-Jun-19	the second se
D45250	Step 2 Proposal Review and Evaluation - SD Dewatering Facilities	54	•	25-Jul-19	Step 2 Submittal Due Date - SD Dew
SD45260	Step 2 Meeting - SD Dewatering Facilities	30		24-Aug-19	Step 2 Proposal Review and Eval
SD45270	Negotiation Memo submitted to the County Mayor/County Mayor's designee - SD Dewatering Facilities	30		23-Sep-19	Step 2 Meeting - SD Dewaterin
			•		Negotiation Memo submitted
SD45280	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director) - SD Dewatering Facilities	40	•	02-Nov-19	Negotiation Memo Receive
SD45290	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Dewatering Facilities	54		26-Dec-19	Negotiations Commend
SD45320	Negotiations Concluded (2nd meeting) and preparation of final Contract - SD Dewatering Facilities	54	27-Dec-19	18-Feb-20	Negotiations Condu
SD45330	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities			19-Mar-20	Contract Execute
SD45340	Submit Contract Aw ard Recommendation/Contract for internal approvals -SD Dewatering Facilities	40	20-Mar-20	28-Apr-20	Submit Contrak
SD45300	Submit Item to Agenda Ccordinator for committee & BCC Ratification - SD Dewatering Facilities	90	29-Apr-20	27-Jul-20	
SD10110	Procurement - SD Dewatering Facilities	679	29-Mar-16 A	16-Aug-20	
SD44720	Repackage and Rebid Project - SD Dewatering Facilities	739	09-Aug-18 A	16-Aug-20	
SD45310	Issue NTP - SD Dewatering Facilities	20	•	16-Aug-20	Repack
esign-Build	······································	1808		12-Jan-23	
SD43230	EPA Start Date for Construction - SD Dewatering Facilities	0		12-0011-20	
SD31730	Design-Builder NTP - SD Dewatering Facilities	0			EPA Start Date for Construction - SD Dewatering Facilities
			-	10 hrs 04	♦ Design
SD20010	Final Engineering by Design-Builder - SD Dewatering Facilities	300	-	12-Jun-21	
SD20080	AHJ Permit Review - SD Dewatering Facilities	180		11-Aug-21	
SD43870	Design-Builder Contract Duration - SD Dewatering Facilities	819	0	13-Nov-22	
SD10210	Construction - SD Dewatering Facilities	639	13-Feb-21	13-Nov-22	
SD44830	Commissioning - SD Dewatering Facilities	30	15-Oct-22	13-Nov-22	
SD10450	Substantial Completion (CD Compliance Date 1/6/23) - SD Dewatering Facilities	0		13-Nov-22*	┓ : : : : : : : : :
SD42250	EPA Compliance Date for Construction - SD Dewatering Facilities	0		06-Jan-23*	┨ ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !
SD40070	Project Closeout - SD Dewatering Facilities	60	14-Nov-22	12-Jan-23*	┓ : : : : : : : : : . : : : : : : : : :
oject Administratio		2096		12-Jan-23	
D35090	WASD Project Administration - SD Dewatering Facilities	2096		12-Jan-23	
		1815	•	26-Jun-19	26-Jun-19, 1.09 FOG Removal Fac
9 FOG Remova	ai rauliity				
ngineering Design		588		16-Feb-16 A	T6-Feb-16 A, Engneering Design
D43240	EPA Start Date for Engineering Design - SD FOG Removal Facility	0			sign - SD FOG Removal Facility
SD20560	Technical Evaluation of Alternatives - SD FOG Removal Facility	252	08-Jul-14 A	16-Mar-15 A	on of Alternatives - SD FOG Removal Facility
SD20570	Negotiate Scope and Cost with MWH - SD FOG Removal Facility	136	19-Dec-14 A	03-May-15 A	pe and Cost with MWH SD FOG Removal Facility
SD20580	Basis of Design Report (BODR) Submittal - SD FOG Removal Facility	79	04-May-15 A	21-Jul-15 A	pesigh Report (BODR) Submittal - SD FOG Removal Facility
	PODD Desize Devices SD FOC Demoval Facility	38	22-Jul-15 A	28-Aug-15 A	Design Review - SD FOG Removal Facility
SD20590	BODR Design Review - SD FOG Removal Facility				

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D Consent De	ecree Schedule - December 2018 Update Activity Name	Original	Start	lard Layout w Baseline		15-Jan-19 13:15 - Page No. 2019 2020 2021 2022 2023
-		Duration				Q2 Q3 Q4 Q1 Q2 Q3 Q4
SD20610	60% Design Review -SD FOG Removal Facility	15	08-Oct-15 A	22-Oct-15 A % Design	iew -SD FOG Removal Facility	
SD20620	100% Design Submittal - SD FOG Removal Facility	62	23-Oct-15 A	00 D = 45 A	n Submittal - SD FOG Removal Facility	
SD10000	Engineering Design - SD FOG Removal Facility	563	08-Jul-14 A	21-Jan-16 A 📮 Engi	ring 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 100%	ign Review/Permit Ready Submittal - SD FOG Removal Facility	
SD42260	EPA Compliance Date for Engineering Design - SD FOG Removal Facility	0			npliance Date for Engineering Design - SD FOG Removal Facility	
Permitting		353	10-Nov-15 A	28-Oct-16 A	28-Oct-16 A, Permitting	
SD43250	EPA Start Date for Permitting - SD FOG Removal Fadility	0	17-Feb-16 A	♦ ÉPA	It Date for Permitting - SD FOG 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	Permitting - SD FOG Removal Facility	
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	and a second state of the second s	rdility
Procurement		788	03-May-15 A	29-Jun-17 A	EPA Compliance Date for Permitting - SD FOG Removal Factoria 29-Jun-17 A, Procurement	
SD43260	EPA Start Date for Procurement - SD FOG Removal Facility	0	03-May-15 A	e for Proc	nent - SD FOG Removal Facility	
SD30230	Design Documents Sent to Procurement - SD FOG Removal Facility	0	05-Aug-16 A		Design Documents Sent to Procurement - SD FOG Removal Facility	ility
SD30240	Submit/Approve SBD Goals - SD FOG Removal Facility	62	05-Aug-16 A	05-Oct-16 A	Submit/Approve SBD Goals - SD FOG Removal Facility	
SD42910	OCI Reviews and Provides List - SD FOG Removal Facility	7	06-Oct-16 A	12-Oct-16 A	OCI Reviews and Provides List - SD FOG Removal Facility	
SD30250	Advertise Bid Package - SD FOG Removal Facility	0	13-Oct-16 A		 Advertise: Bid Package - SD; FOG Removal Facility 	
SD30260	Bid Solicitation Period - SD FOG Removal Facility	50	13-Oct-16 A	01-Dec-16 A	 Bid Solicitation Period - SD FOG Removal Facility 	
SD30270	Bids Due - SD FOG Removal Facility	0	01-Dec-16 A		 Bid Solidation Fellod - 3D FOG Removal Facility Bids Due - SD FOG Removal Facility 	
SD30280	Bid Review Period - SD FOG Removal Facility	44	02-Dec-16 A	14-Jan-17 A	 Bids Due - SD FOG Removal Facility Bid Review Period - SD FOG Removal Facility 	
SD43470	OCI Reviews and Provides List (for Rebid) - SD FOG Removal Facility	32		15-Feb-17 A		Performant Experiment
SD43480	Advertise Bid Package (for Rebid) - SD FOG Removal Facility	0	16-Feb-17 A		OCI Reviews and Provides List (for Rebid) - SD FOG	
SD43490	Bid Solicitation Period (for Rebid) - SD FOG Removal Facility	41		28-Mar-17 A	 Advertise Bid Package (for Rebid) - SD FOG Remova Did Balisitation Package (for Rebid) - SD FOG Remova 	
SD43500	Bids Due (for Rebid) - SD FOG Removal Facility	0	29-Mar-17 A		Bid Solicitation Period (for Rebid) - SD FOG Remo	oval r aciiity
SD43500 SD43510	Bid Review Period (for Rebid) - SD FOG Removal Facility	38	29-Mar-17 A	05-May-17 A	 Bids Due (for Rebid) - SD FOG Removal Facility 	
SD30290	Award Recommendation - SD FOG Removal Facility	38	20 Mai-17 A	05-May-17 A	Bid Review Period (for Rebid) - SD FOG Remov	_ i _ i i i i i i i i i i i i i i i i i
SD30290 SD42280	EPA Compliance Date for Procurement - SD FOG Removal Facility**	0		15-May-17 A	 Award Recommendation - SD FOG Removal Fa 	
		Ŭ	05 Aug 10 A		EPA Compliance Date for Procurement - SD FC	OG Removal Facility**
SD10070	Procurement - SD FOG Removal Facility	329	05-Aug-16 A	29-Jun-17 A	Procurement - SD 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).	SDFOG Removal Facility
onstruction		727	30-Jun-17 A	26-Jun-19		
SD10123	Contractor Notice to Proceed (NTP) - SD FOG Removal Facility	0	30-Jun-17 A		 Contractor Notice to Proceed (NTP) - SD FC 	OG Removal Facility
SD43270	EPA Start Date for Construction - SD FOG Removal Facility	0			EPA Start Date for Construction - SD FOG	G Removal Faclity
SD44880	Commissioning (Part 1) - SD FOG Removal Facility	30	01-Jan-19*	30-Jan-19		nmissioning (Part 1) - SD FOG Removal Facility
SD10130	Construction - SD FOG Removal Facility	329	30-Jun-17 A	28-Mar-19		Construction - SD FOG Removal Facility
SD44840	Commissioning (Part 2) - SD FOG Removal Facility	30	27-Feb-19	28-Mar-19		Commissioning (Part 2) - SD FOG Removal Facility
SD10270	Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility	0		28-Mar-19*		Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility
SD42290	EPA Compliance Date for Construction - SD FOG Removal Facility	0		24-May-19*		◆ EPA Compliance Date for Construction - SD FOG Removal Facility
SD40080	Project Closeout - SD FOG Removal Facility	90	29-Mar-19	26-Jun-19*		
roject Administratio		1507	08-Jul-14 A	26-Jun-19		Project Closeout: - SD FOG Removal Facility.
SD35100	WASD Project Administration - SD FOG Removal Facility	1507	08-Jul-14 A	26-Jun-19		
0 Odor Control		1900	25-Jan-18 A	25-Apr-23		▼ 25-Apr-23, 1.1
re-Design		381	25-Jan-18 A	04-Mar-19	02	4-Mar-19, Pre-Design
SD11182	Pre-Design (BODR) - SD Odor Control	180	25-Jan-18 A	14-Sep-18 A	Pro-Docign (F	30DR) - SD Odor Control
SD44770	Pre-Design (Remaining Scope of Work) - SD Odor Control	150	15-Sep-18 A	04-Mar-19		
ngineering Design		488	14-Sep-18 A	03-Dec-19		re-Design (Remaining Scope of Work) - SD Odar Control
SD43280	EPA Start Date for Engineering Design - SD Odor Control	0				
SD20630	Basis of Design Report (BODR) - SD Odor Control	96	15-Sep-18 A	21-Dec-18 A	· · · · · · · · · · · · · ·	art Date for Engineering Design - SD Odor Control
D20640	BODR Review Period & Final BODR - SD Odor Control	24	•	15-Jan-19		of Design Report (BODR) - SD Odor Control
D20650	30% Design Submittal - SD Odor Control	60	05-Mar-19*	03-May-19		R Review Period & Final BODR - SD Odor Control
D20660	30% Design Review - SD Odor Control	10	04-May-19	13-May-19		30% Design Submittal - SD Odor Control
5D20880	EPA Compliance Date for Engineering Design - SD Odor Control	0	5 + May-13	27-Jun-19*		30% Design Review - SD Odor Control
5D42300 5D20670	60% Design Submittal - SD Odor Control	90	14-May-19	11-Aug-19		EPA Compliance Date for Engineeting Design - SD Od or Control
		90	,	-		60% Design Submittal - SD Odor Control
D20680	60% Design Review -SD Odor Control		12-Aug-19	21-Aug-19		60% Design Review -SD Odor Control
D20690	100% Design Submittal - SD Odor Control	60	22-Aug-19	20-Oct-19		100% Design Submittal - SD Odgr Control
D10360	Engineering Design - SD Odor Control	470	14-Sep-18 A	03-Dec-19		Engineering Design - SD Odor Control
D40180	100% Design Review/Permit Ready Submittal - SD Odor Control	44	21-Oct-19	03-Dec-19		
rmitting	EDA Stat Date for Demitting - SD City - Or start	365	28-Jun-19	26-Jun-20		
D43290	EPA Start Date for Permitting - SD Odor Control	0	28-Jun-19*	01 May 00		EPA Start Date for Permitting - SD Odor Control
D10400	Permitting - SD Odor Control	180	04-Dec-19	31-May-20		Permitting - SD Ødor Control
D42310	EPA Compliance Date for Permitting - SD Odor Control	0		26-Jun-20*	·····	EPA Compliance Date for Permitting - SD Odor Control Z6-Jun-21, Procurement
ocurement		482	02-Mar-20	26-Jun-21		V Zo-Jun-21; Procurement
D43460	Internal Bid Package Review - SD Odor Control	30	02-Mar-20	31-Mar-20		Internal Bid Package Review - SD Odor Control
D30730	Design Documents Sent to Procurement - SD Odor Control	0	01-Apr-20			Design Documents Sent to Procurement - SD Odor Control
D30740	Submit/Approve SBD Goals and Request to Advertise - SD Odor Control	60	01-Apr-20	30-May-20		Submit/Approve SBD Goals and Request to Adventise - SD Odor Control
D30750	Advertise Bid Package - SD Odor Control	0	31-May-20			♦ Advertise Bid Package - SD Odor Control
D43300	EPA Start Date for Procurement - SD Odor Control	0	27-Jun-20*			♦ EPA Start Date for Procurement - SD Odor Control
D30760	Bid Solicitation Period - SD Odor Control	60	31-May-20	29-Jul-20		Bid Solicitation Period - SD Odor Control
D30770	Bids Due - SD Odor Control	0	30-Jul-20			➡ Bids Due - SD Odor Control
D30780	Bid Review Period - SD Odor Control	30	30-Jul-20	28-Aug-20		➡ Bids Eule - SD Odor Control ■ Bid Review Period - SD Odor Control
D30790	Award Recommendation - SD Odor Control	0		28-Aug-20		
D10480	Procurement - SD Odor Control	270	01-Apr-20	26-Dec-20		Award Recommendation - SD Odor Control Produrement - SD Odor Control
			•			
	Final Approvals (BCC, Mayor, Risk Mamt) - SD Odor Control	100	29-Aum-20			
D30800 D42320	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control EPA Compliance Date for Procurement - SD Odor Control	120	29-Aug-20	26-Dec-20 26-Jun-21*		Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control EPA Compliance Date for Procurement - SD Odor Control 25-Apr-23, Cor

	cree Schedule - December 2018 Update Activity Name	Original	Start	Finish	Baseline (By Phase)	017	2018	l	2019		2020	
УD	Activity Name	Original Duration	Start	Finish			Q2 Q3	Q4 Q1		Q4 Q1 (Q4 Q1
SD10538	Contractor Notice to Proceed (NTP) - SD Odor Control	0	27-Dec-20				Q2 Q3				42 43 4	
SD43310	EPA Start Date for Construction - SD Odor Control	0	27-Jun-21*									Cont
SD10540	Construction - SD Odor Control	668	27-Dec-20	25-Oct-22								
SD44850	Commissioning - SD Odor Control	30	26-Sep-22	25-Oct-22								
SD10610	Substantial Completion (CD Compliance Date 4/25/23) - SD Odor Control	0		25-Oct-22*								
SD40090	Project Closeout - SD Odor Control	90	26-Oct-22	23-Jan-23*								
SD42330	EPA Compliance Date for Construction - SD Odor Control	0	20 00.22	25-Apr-23*								
Project Administration		1687	15-Sep-18 A	23-Jan-23		++	•		<u> </u>			
SD35110	WASD Project Administration - SD Odor Control	1687	15-Sep-18 A	23-Jan-23								
1.11 General Electr	-	2462	30-Jun-14 A	26-Mar-21		++						
Engineering Design		1311	30-Jun-14 A	31-Dec-17 A		31	Dec-17 A, En	neeing De	sign			
SD43320	EPA Start Date for Engineering Design - SD General Electrical	0	31-Dec-16 A				Deim					
SD10180	Engineering Design (Summary) - SD General Electrical	1311	30-Jun-14 A	04-May-17 A	EPA Start	t Date for Engineer			Electrical iry) - SD Gene	eral Electrical		
SD42340	EPA Compliance Date for Engineering Design - SD General Electrical	0		31-Dec-17 A		1 1 1	1 1 1			1 1		_
Permitting		535	04-May-17 A	14-Dec-18 A			A. Compliance	Date for En	c-18 A, Perr	sign - SD Gen nitting	ieral Electrica	al
SD43330	EPA Start Date for Permitting - SD General Electrical	0	30-Jun-17 A			EPA Start Date	for Domitting	SDConor	n Electrical			
SD42350	EPA Compliance Date for Permitting - SD General Electrical**	0		28-May-18 A		EFA Stall Date	: : :			itting - SD Ger	noral Electric	~~!**
SD10230	Permitting (Summary) - SD General Electrical	535	04-May-17 A	14-Dec-18 A	1					ary) - SD Gen		
Procurement		716	29-May-18 A	02-Sep-19		1 1 1				02-Sep-19, Pro		· · · · · · · · · · · · · · · · · · ·
SD43340	EPA Start Date for Procurement - SD General Electrical	0	29-May-18 A					art Data for	Procuromont	t - SD General	Electrical	
SD42360	EPA Compliance Date for Procurement - SD General Electrical	0	-	28-May-19*			♥ EPA S	an Date for		ompliance Dat		romant CE
SD10310	Procurement (Summary) - SD General Electrical	716	24-Aug-18 A	02-Sep-19						Procurement (
Construction		900	08-Aug-18 A	26-Mar-21		+					ounimary	OD Ocher
SD43350	EPA Start Date for Construction - SD General Electrical	0	29-May-19*							ort Ditte 4-10	ond- of -	80.0
SD10390	Construction (Summary) - SD General Electrical	797	08-Aug-18 A	02-Nov-20					◆ EPA Sta	art Date for C	onstruction -	SD Gener
SD10510	Substantial Completion (CD Compliance Date 3/26/21) - SD General Electrical	0		02-Nov-20*								
SD42370	EPA Compliance Date for Construction - SD General Electrical	0		26-Mar-21*	-						•	 Substar
Project Administration		2404	30-Jun-14 A	31-Jan-21		<u> </u>			<u> </u>	<u></u>	<u> </u>	
SD35120	WASD Project Administration - SD General Electric	2404	30-Jun-14 A	31-Jan-21								
	•	1560	25-Oct-16 A	31-Jan-21			**					
1.11 (1.1) SDWWTP	Substations 9-12	320	15-Jun-17 A	27-Apr-18 A		<u></u>	27-Apr-1		ring Design			
Engineering Design SD44220	Basis of Design Report (BODR) - Replace SS 9, 10, 11 & 12	107	15-Jun-17 A	29-Sep-17 A								
SD44220 SD44230		6	30-Sep-17 A	05-Oct-17 A	-	1 1 1	: : :		eplace SS 9,			
	BODR Review Period - Replace SS 9, 10, 11 & 12		•			BODR Re	wiew Period	Repl <mark>a</mark> ce SS	s 9, 10, 11 & 1	12		
SD44240	60% Design Submittal - Replace SS 9, 10, 11 & 12	34	06-Oct-17 A	08-Nov-17 A		🗖 60% D	esign Submit	al - R <mark>e</mark> place	SS 9, 10, 11	& 12		
SD44250	60% Design Review - Replace SS 9, 10, 11 & 12	7	09-Nov-17 A	14-Nov-17 A		I 60% D	esign Review	- Rep <mark>l</mark> ace S	S 9, 10, 11 &	[،] 12		
SD44260	100% Design Submittal - Replace SS 9, 10, 11 & 12	48	15-Nov-17 A	03-Jan-18 A		— 100	0% Design S	bmitt <mark>a</mark> l - Re	place SS 9, 1	0, 11 & 12		
SD40460	Engineering Design - Replace SS 9, 10, 11 & 12	230	15-Jun-17 A	27-Apr-18 A			Enginee	ng Design -	Replace SS	9, 10, 11 & 12	2	
SD44270	100% Design Review/Permit Ready Submittal - Replace SS 9, 10, 11 & 12	87	04-Jan-18 A	27-Apr-18 A						ty Submittal		<u>.</u> 9, 10, 11 (
Permitting		90	07-May-18 A	25-Sep-18 A				25-Sep-18	A, Permitting			
SD44900	DERM Permit - Replace SS 9, 10, 11 & 12	90	07-May-18 A	28-Jun-18 A				VI Permit - F	Replace SS 9,	, 10, 11 & 12		
SD43640	Permitting - Replace SS 9, 10, 11 & 12	90	07-May-18 A	25-Sep-18 A				Permitting	- Replace SS	s 9, 10, 11 & 1	12	
SD44890	MDC Building Dept. Permit - Replace SS 9, 10, 11 & 12	90	07-May-18 A	25-Sep-18 A								1 & 12
Procurement		198	17-Aug-18 A	13-Mar-19			-		13-Mar-19, F	mit - Replace Procurement		
SD44400	Internal Bid Package Review - Replace SS 9, 10, 11 & 12	3	17-Aug-18 A	24-Aug-18 A			1.	ternal Bid E	ackade Revir	ew - Replace	SS 9. 10. 11	1 & 12
SD44410	Design Documents Sent to Procurement - Replace SS 9, 10, 11 & 12	0	24-Aug-18 A				i i i		i i	o Procuremien	- i i	- i i
SD44420	Submit/Approve SBD Goals and Request to Advertise - Replace SS 9, 10, 11 & 12	60	24-Aug-18 A	16-Oct-18 A			: : :	- I :		Goals and Red		1 1
SD44430	Advertise Bid Package - Replace SS 9, 10, 11 & 12	0	17-Oct-18 A					· · ·		- Replace SS		
SD44440	Bid Solicitation Period - Replace SS 9, 10, 11 & 12	45	17-Oct-18 A	05-Dec-18 A	1					iod - Replace		1 1
SD44600	Bids Due - Replace SS 9, 10, 11 & 12	0		05-Dec-18 A					1 1	1 1	1.1.1.1	
SD44450	Bid Review Period - Replace SS 9, 10, 11 & 12	38	06-Dec-18 A	31-Jan-19	1				i i	SS 9, 10, 11	i i	
SD44460	Award Recommendation - Replace SS 9, 10, 11 & 12	0		31-Jan-19						iod - Replace		
SD43650	Procurement - Replace SS 9, 10, 11 & 12	195	24-Aug-18 A	13-Mar-19	-			· · ·		nendation - Re		
SD44470	Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace SS 9, 10, 11 & 12	41	01-Feb-19	13-Mar-19					Procurement	t - Replace SS	3 9, 10, 11 &	\$ 12
Construction		690	14-Mar-19	31-Jan-21		÷			Final Approv	als (BCC, May	vor, Risk Mar	mt.) - Repl
SD44480	Contractor Notice to Proceed (NTP) - Replace SS 9, 10, 11 & 12	000	14-Mar-19	51-0d1-21								
SD43660	Construction - Replace SS 9, 10, 11 & 12	600	14-Mar-19	02-Nov-20				•	Contractor N	lotice to Proce	ed (NTP) - F	1 1
SD43000 SD44860	Commissioning - Replace SS 9, 10, 11 & 12	30	04-Oct-20	02-Nov-20	-							Constru
	•		04-00-20									Commis
SD44490	Substantial Completion (CD Compliance Date 3/26/21) - Replace SS 9, 10, 11 & 12	0		02-Nov-20*		1 1 1					•	Substan
SD43590	Project Closeout - Replace SS 9, 10, 11 & 12	90	03-Nov-20	31-Jan-21*		<u></u>	J		<u></u>	<u>i.</u>	<u></u>	Pr 31
Project Administration		1556	25-Oct-16 A	31-Jan-21								- 31
SD44160	WASD Project Administration - Replace SS 9, 10, 11 & 12	1556	25-Oct-16 A	31-Jan-21		<u></u>					OF May	-20, 1.11 (1
1.11 (1.2) SDWWTP	Generator Repairs	1309	25-Oct-16 A	25-May-20	<u></u>				-		1 Í	20, 1.11 (1
Engineering Design		948	25-Oct-16 A	04-Feb-19				- 02	-Feb+19, Enc	gineering Des	ign	
SD40410	Engineering Design - Generator Repairs	158	25-Oct-16 A	31-Mar-17 A	Enc	qineering Design -	Generator Re	oairs				
SD44910	50% Design Submittal - Generator Repairs	90	14-May-18 A	13-Aug-18 A			5)% D <mark>e</mark> sian s	ubmittal - Gr	enerator Reba	airs	
SD44920	90% Design Submittal - Generator Repairs	7	14-Aug-18 A	29-Oct-18 A						al - Generator		
SD44980	Develop Project Specifications for Remote Radiator - Generator Repairs	120	14-May-18 A	13-Nov-18 A				- I i	i i	cifications for	- i i	diator - Ge
SD44640	Engineering Re-Design (Technical Specs & Drawings) - Generator Repairs	365	14-May-18 A	04-Feb-19	1			· · ·		e-Design (Tech		
SD44930	100% Design Submittal - Generator Repairs	98	30-Oct-18 A	04-Feb-19	1					Submittal - Ge		
	100% Design Review/Permit Ready Submittal - Generator Repairs	9	27-Jan-19	04-Feb-19								
SD44940		98	15-Jan-19	22-Apr-19		1		·····	22-Apr-19	Review/Permit 9, Permitting	. ready SUDI	muat - Get
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SD44940 Permitting SD44950	Permitting - Generator Repairs	98	15-Jan-19*	22-Apr-19		1 1 1		i	Demo		Denir	
Permitting SD44950	Permitting - Generator Repairs			· ·			v		Permitting 17-J	g - Generator I Jul-19, Procure	Repairs ement	
Permitting	Permitting - Generator Repairs Pre-Purchase Remote Radiators - Generator Repairs	98 279 48	15-Jan-19* 21-Sep-18 A 21-Sep-18 A	22-Apr-19 17-Jul-19 06-Nov-18 A			Y			g - Generator I Jul-19, Procure te Radiators - (

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	Activity Name	Original	Start	Finish	Baseline (By Pha 2016	ase)	201	17		20	18	<u> </u>		2019		2020		2021		2022	10-19	13:15 -	2023	NO. 11
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SD44970	Fabricate and Deliver Remote Radiators (Pre-Purchase) - Generator Repairs	253	07-Nov-18 A	17-Jul-19									1	<u> </u>	Fabricate and De	liver Remote	Radiators (P	re-Purchase	e) - Gene	rator Repai	rs			J
Construction	Contractor Nation to Dranood (NTD). Concertar Danaira	313	18-Jul-19	25-May-20												▼ 25-May-	20, Construct	lion						
SD44660 SD44670	Contractor Notice to Proceed (NTP) - Generator Repairs Construction - Generator Repairs	0 253	18-Jul-19 18-Jul-19	26-Mar-20										•	Contractor Notice	i i	i i i		irs					
SD44870	Commissioning - Generator Repairs	30	26-Feb-20	26-Mar-20	-												- Generator							
SD44680	Substantial Completion (CD Compliance Date 3/26/21) - Generator Repairs	0	2010020	26-Mar-20*											1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1	ing - Generat	1.1.1						
SD44690	Project Closeout - Generator Repairs	60	27-Mar-20	25-May-20*													Completion (C	- i i		3/26/21) - (Generato	r Repairs		
Project Administration		90	25-Oct-16 A	25-May-20												25-May	Closeout - Ge 20, Project Ad	dministration	pairs m					
SD44700	WASD Project Administration - Generator Repairs	90	25-Oct-16 A	25-May-20												WASD I	Project Admin	istration - G	Senerator	Repairs				
1.11 (2) Elect. Feeder I	Bidg 1 to Effluent PS 1-6 (Project 1.05(2))	1171	24-Oct-17 A	30-Nov-20				-									Project Admin 30-Nov-2	0, 1.11 (2) E	Elect. Fee	eder Bldg 1	to Efflue	int PS 1-6	ک (Project	t 1.05(2))
Engineering Design SD40440	Engineering Design Flagt Facebox Didg 4 to Fillwart DC 4.6 (Drained 4.05(2)) CD Canada Flagtaine	191	24-Oct-17 A	27-Jul-18 A 27-Jul-18 A						-					ig Design									
Permitting	Engineering Design - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical	191 180	24-Oct-17 A 16-Aug-18 A	14-Dec-18 A							L Eng	ginee	ing Des 14-Dec	ign - Ele -18 A. F	lect. Feeder Bldg : Permitting	1_to Effluent	PS 1-6 (Proj	ect.1.05(2)).	- SD Ger	neral Electri	cal	÷		÷
SD40370	Permitting - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical	180	16-Aug-18 A	14-Dec-18 A																				
Procurement		270	07-Dec-18 A	02-Sep-19								V	Permiu	nd i Ele	ect. Feeder Bldg.1 ▼ 02-Sep-19, Pr	ocurement	ra 10. (r. u)	301-1.00(2)):	- SU Ger	Jetal Electri	a			
SD40300	Procurement - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical	270	07-Dec-18 A	02-Sep-19											. Procurement	Elect. Feed	er Bldg 1 to I	Effluent PS	1-6. (Proj	ect 1.05(2))	- SD Ge	heral Elec	ctrical	<u>.</u>
Construction		455	03-Sep-19	30-Nov-20													■ 30-Nov-2	0, Construc	ction					
SD40230	Construction - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical	365	03-Sep-19	01-Sep-20												c	onstruction - I							
SD43600	Project Closeout - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical	90	02-Sep-20	30-Nov-20*													Project C	loseout - El 0, Project A	lect. Feed	der Bldg 1 t	o Effluer	t PS Pur	ops 1-6 ((Project 1
Project Administration SD44170	WASD Project Administration - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical	1171 1171	24-Oct-17 A 24-Oct-17 A	30-Nov-20 30-Nov-20				•											i i			i i		1 1
1.12 Chlorine Contac		2135		27-Jun-21		<u></u>	. <u></u>								······		wasd P	27-Jur	nistration n-21, 1.1	2 Chlorine	ager Bldd Contact	1 1.to Effli Chamber	uent P.S	Pumps 1
Engineering Design		1461	01-Oct-15 A	30-Sep-19		<u></u>	. <u></u>		<u></u>	i	·····		<u></u>		30-Sep-19, I	Englneering	Design							
SD43360	EPA Start Date for Engineering Design - SD Chlorine Contact Chamber	0			▲ FP/	A Start F	Date for P	ngineering	Desig	n - SD (hlorine	e Con	act Cha	mber										
SD10150	Engineering Design - SD Chlorine Contact Chamber	657	01-Oct-15 A	18-Jul-17 A		, coluit E			;		:	001		:	Engineering	Design - SE	Chlorine Cor	ntact Chamb	ber					
SD42380	EPA Compliance Date for Engineering Design - SD Chlorine Contact Chamber	0		30-Sep-19*						<u>.</u>					EPA Compli	ance Date fo	r Engineering	g Design - S	SD Chlorin	ne Contact	Chambe	ar		<u>] </u>
Permitting		942	01-Oct-15 A	08-Apr-18 A						<u> </u>	Apr-18 A		, i											
SD10200	Permitting - SD Chlorine Contact Chamber	30	01-Oct-15 A	30-Oct-15 A	-					Per	mittinģ -	- SD	Chlorine	Contac	ct Chamber									
SD43370	EPA Start Date for Permitting - SD Chlorine Contact Chamber	0	09-Apr-17 A	09 Apr 19 A			♦ EPA	Start Dat						- i										
SD42390 Procurement	EPA Compliance Date for Permitting - SD Chlorine Contact Chamber	1910	24-Aug-15 A	08-Apr-18 A 30-Sep-19	·····	<u></u>	<u></u>	<u></u>		♦ EP/	Compl	olianc	Date fo	or Permi	hitting - SD Chlorin 30-Sep-19, I	e Contact C Procuremen	hamber							÷
SD43380	EPA Start Date for Procurement - SD Chlorine Contact Chamber	0	09-Apr-18 A	50-0cp-15						1														
SD42400	EPA Compliance Date for Procurement - SD Chlorine Contact Chamber	0		08-Apr-19*	-					♥ EP#	Start	Date	1	1	nt - SD Chlorine Co Compliance Date fo			ring Conton	nt Ohomh					
SD10290	Procurement - SD Chlorine Contact Chamber	1910	24-Aug-15 A	30-Sep-19											Procuremen				a unamo	er				
Construction		1992	05-Jan-16 A	18-Jun-21															n-21, Con	struction				1
SD43390	EPA Start Date for Construction - SD Chlorine Contact Chamber	0	09-Apr-19*										•	EPA St	tart Date for Cohs	truction - SE	Chlorine Cor	<u>nta</u> ct Chaml	ber					
SD10370	Construction - SD Chlorine Contact Chamber Struct. Rehab	1686	05-Jan-16 A	29-Mar-21		:	<u> </u>	:		: :	:							Constru	ruction - S	SD Chlorine	Contact	Chamber	Struct. F	Rehab
SD10530	Substantial Completion (CD Compliance Date 6/18/21) - SD Chlorine Contact Chamber	0		29-Mar-21*													🔶 S	Substantial (Completi	on (CD Con	pliance	Date 6/18	3/21) - SI	D Chlorin
SD42410	EPA Compliance Date for Construction - SD Chlorine Contact Chamber	0	04 0-145 4	18-Jun-21*															omplianc	e Date for (ject Adminis	Construct	tion - SD (Chlorine	Contact
Project Administration SD35130	WASD Project Administration - SD Chlorine Contact Chamber	1872 1872		27-Jun-21 27-Jun-21														1	1			1		÷ ÷
	tact Chamber Actuator Replacement	1162		05-Jun-18 A							05-Jun	n-18 A	, 1.12 (1) Chloi	orine Contact Char	nber Actuat	or Replaceme	ent WASE	D.Project	Administrat	on - SD.	Chlotine_C	Contact.	Chamber
Engineering Design		29		30-Oct-15 A	Oct-15 A, Engineer	ring Des	ign																	
SD41900	Engineering Design - Actuators Technical Data	30	01-Oct-15 A	30-Oct-15 A	aineerina Desian -/	Actuator	s Technic	: al Data																
Permitting		29	01-Oct-15 A	30-Oct-15 A	aineering Design - / Oct-15 A, Permittin	ng																		
SD43410	Permitting - Actuators	30	01-Oct-15 A	30-Oct-15 A	04-Jan-16 A, Proc					Per	nitting	-Actu	ators											ļ
Procurement SD41600	Procurement - Actuators	133 134		04-Jan-16 A 04-Jan-16 A	04-Jan-16A, Plo	culemen	ii ii																	
Construction	rioculement - Actualois	243	-	04-Jan-18 A	Procurement - Ac	tuators.					05-Jun-	i-18 A	Constr	uction										÷
SD44550	Project Closeout - Actuators (inc. Electrical)	90		01-Jun-18 A																				
SD41630	Construction - Aduators (inc. Electrical)	32	•	05-Jun-18 A									1		s (inc. Electrical) ic. Electrical)									
SD44540	Substantial Completion - Actuators (nc. Electrical)	0		05-Jun-18 A												tricall								
Project Administration		792	01-Oct-15 A	01-Jun-18 A						-	Ji-Jun-	-18 A	Project	Admini	ctuators (inc. Elec: istration									1
SD44190	WASD Project Administration - Actuators (inc. Electrical)	792		01-Jun-18 A		;		1		<u>.</u>	WASD.	Proje	ct Admir	nistratio	on - Actuators (inc.	Electrical)				2 (2) Chlori			6.00	
	tact Chamber Structural Rehab & Sluice Gates Replacement	1819	05-Jul-16 A	27-Jun-21			02 Fob	-17 A, Pre	Dociar									27-Jur	n-21, 1.1.		ie Conta	ict Chamb	Jer Struc	dural Rer
Pre-Design SD42720	Pre-Design - Structural Rehab	233 234	05-Jul-16 A 05-Jul-16 A	23-Feb-17 A 23-Feb-17 A																				
Engineering Design		144		18-Jul-17 A			Pre-De	signStru ▼ 18-Jul-	ictural F 17 A, Er	Rehab ngineer	ing Des	sign												
SD43750	Engineering Design Contact Chambers #1-4 - Structural Rehab	145		18-Jul-17 A						1				4 04m	nutural Dahah									
Procurement		1206	28-Jul-17 A	30-Sep-20						esign_c	Unitaci	Juar	10612.41	-4 - 50	ructural Rehab.		30-\$ep-20, F	rocurement	nt					1
SD44060	Requisition Sent to Procurement - Sluice Gates	0	28-Jul-17 A					♦ Requisit	; sition Se	ent to F	; rocuren	ment	- Sluice	Gates					÷					
SD44130	Request to Advertise - Sluice Gates	11	28-Jul-17 A	07-Aug-17 A				Requ																
SD44070	Advertise - Sluice Gates	0						Adver	1	1 1														
SD44080	Bid Solicitation Period - Sluice Gates	17	0	24-Aug-17 A				Bid	Solicitati	ion Per	od - Ślu	luice 🤆	Bates											
SD44090	Bids Due - Sluice Gates	0		05.00- 47.4				Bids	Due - S	Sluice C	ates													
SD44100	Bid Review Period - Sluice Gates	12	25-Aug-17 A	05-Sep-17 A	-				Review	1 1														
SD44110	Award Recommendation - Sluice Gates	0	20 147 1	05-Sep-17 A	1			1	ard Rec	1 1			1	1										
SD43830 SD44120	Procurement - Sluice Gates (Summary) Final Approval - Sluice Gates	60 27	28-Jul-17 A 06-Sep-17 A	25-Sep-17 A 02-Oct-17 A				Pr	- 1				Summa	ry)										
JU44120	Final Approval - Sluce Gates Procurement Contact Chamber #1 - Structural Rehab	35	20-Oct-17 A	02-Oct-17 A 12-Dec-17 A	-			1	nal App	1 1														
SD/2810	Procurement Contact Chamber #1 - Structural Renab	35		30-Sep-19	-				Proc	cureme	nt Conta	act O	amber	#1 - Str	ructural Rehab									
SD42810				00-00p-13	1 : : :										Procuremen	 Chlorin d 						1 I I I	1	
SD41610				30-Sep-19		1					;					1 1	Contact Chan							
SD41610 SD41620	Procurement Contact Chamber #4 - Structural Rehab	200	15-Mar-19* 15-Mar-19*	30-Sep-19 30-Sep-19									-		Procuremen	t Contact Cl	namber #4 - S	Structural Re	1					
SD41610			15-Mar-19*	30-Sep-19 30-Sep-19 30-Sep-20												t Contact Cl t Contact Cl	namber #4 - S	Structural Re Structural Re	ehab	40 C 4m-1-4-	A Dat -			

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SD43850 Constructi	on - Sluice Gates	232	03-Oct-17 A	31-Jan-19						Constru	uction - S	luice Gates							
	on Contact Chamber #4 - Structural Rehab	180	01-Oct-19	28-Mar-20							1	Constru	ction Contact	Chamber #4 - S	tructural Rehab				
	on Contact Chamber #3 - Structural Rehab	180	01-Oct-19	28-Mar-20								Constru	ction Contact	Chamber #3 - S	tructural Rehab				
	on - Chlorine Contact Chamber	1018	03-Oct-17 A	29-Mar-21							i i 1 1			Construction	- Chlorine Conta	ict Chambe	er		
	on Contact Chamber #2 - Structural Rehab	180	01-Oct-20	29-Mar-21	_									Construction	Contact Chamb	er #2 - Stru	uctural Rehab		
	al Completion (CD Compliance Date 6/18/21) - Structural Rehab	0		29-Mar-21*									•	Substantial C	Completion (CD	Compliance	e Date 6/18/21) - Struct	tura
	oseout - Structural Rehab	90	30-Mar-21	27-Jun-21*									<u> </u>	Project	Closeout - Stru 21, Project Adn	tural Reha	ab		
roject Administration		1360	24-Feb-17 A	27-Jun-21		•								27-Jun	-21, FIOJECTAUN	IIIISIIduon			
	pject Administration - SD Chlorine Contact Chamber	1360	24-Feb-17 A	27-Jun-21	<u></u>		· · · ·				- 1 1 - 7			WASD	Project Adminis	tration <mark>, - S</mark> E	Chlorine Con	act Char	ımb
Central District WWTP		6055	01-Mar-11 A	27-Sep-27											21, 2.01 Misce				
01 Miscellaneous Electrical Ir	nprovements	2585	11-Jun-14 A	08-Jul-21										08-Jul	-21, 2.01 Misce	llaneous E	lectrical Impro	ements	
Engineering Design		1335	11-Jun-14 A	09-Jun-19		1 1 1		1	:		09-Jun	19, Engineering Des	lign						
CD82340 EPA Start	Date for Engineering Design - CD Misc. Elect. Improvements	0	01-Jan-17 A			+ EPA Start Dat	e for Engineer	ing Desig	n - CD Mi	c. Elect. Im	nproverne	nts							
	pliance Date for Engineering Design - CD Misc. Elect. Improvements	0		31-Dec-17 A			♦ EPA	Complia	ncė Date	for Engine	erina Des	ian - CD Misc. Elect.	Improvem ents						
CD10160 Engineerir	ng Design - CD Misc. Elect. Improvements	1335	11-Jun-14 A	09-Jun-19				<u>; ;</u>	:	1		erinģ Desiģn - CD Mi		ovements					
Permitting		925	18-Dec-15 A	20-Jun-18 A				2	0-Jun-18/	, Permittin	ig								
	Date for Permitting - CD Misc. Elect. Improvements	0	21-Jun-17 A			♦ EF	A Start Date for												
CD10330 Permitting	- CD Misc. Elect. Improvements	704	18-Dec-15 A	22-May-18 A						CD Misc. I									
CD42430 EPA Comp	pliance Date for Permitting - CD Misc. Elect. Improvements	0		20-Jun-18 A				♦ E	PA Comp	ance Date	for Perm	itting - CD Misc. Elec	t. Improvemer	nts					
Procurement		1428	24-Jul-15 A	05-Mar-20								▼ 05-Mar-20), Procuremen	t T					
	Date for Procurement - CD Misc. Elect. Improvements	0	21-Jun-18 A					♦ E	PA Start	ate for Pro	ocureme r	t - CD Misc. Elect. In	provements						
	pliance Date for Procurement - CD Misc. Elect. Improvements	0		20-Jun-19*							EPA C	ompliance Date for F	Procurement -	CD Misc. Elect.	Improvements				
CD10560 Procureme	ent - CD Misc. Elect. Improvements	1197	24-Jul-15 A	05-Mar-20							•			Elect. Improven	nents				
Construction		1964	29-Jan-16 A	14-Jun-21		1 1 1	1 1 1		1			1 1 1	1	▼ 14-Jun-2	21, Construction				
	Date for Construction - CD Misc. Elect. Improvements	0	21-Jun-19*								EPA S	tart Date for Constru	ction - CD Mise	c. Elect. Improve	ements				
CD10810 Constructi	on - CD Misc. Elect. Improvements	1261	29-Jan-16 A	09-Apr-21				<u> </u>		ļ					ction - CD Misc.	Elect. Imp	rovements		
CD10960 Substantia	al Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements	0		09-Apr-21*										 Substantial (Completion (CD	Complianc	e Date 6/14/2	1) - CDN	√lis
CD42450 EPA Com	pliance Date for Construction - CD Misc. Elect. Improvements	0		14-Jun-21*											mpliance.Date.f	· · ·			
Project Administration		1618	01-Oct-15 A	08-Jul-21										🗸 08-Jul	21, Project Adr	ninistration			
CD33930 WASD Pro	oject Administration - CD Misc. Elect. Improvements	1618	01-Oct-15 A	08-Jul-21							<u> </u>			WAS) Project Admini	stration - C	D Misc Elect	Improver	me
.01 (1) Substations 1 & 2		286	24-Jul-15 A	05-May-16 A		, 2.01 (1) Substa	tions1&2												
Engineering Design		121	01-Oct-15 A	30-Jan-16 A	🔻 30-Jan-16 A, Engi	ieering Design													
CD40820 Engineerir	ng Design Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	122	01-Oct-15 A	30-Jan-16 A	Engineering Desig	Substations 1 &	2 (WASD) - CE	D Misc F	lect Impro	ements									
Permitting		70	18-Dec-15 A	26-Feb-16 A	26-Feb-16 A, Pe	mitting													
CD40900 Permitting	Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	71	18-Dec-15 A	26-Feb-16 A	Permitting Subst ep-15 A, Procurement	tions 1 & 2 (WAS	SD) - CD Misc I	Elect.Imp	rovement										
Procurement		66	24-Jul-15 A	28-Sep-15 A	ep-15 A, Procurement														
CD40980 Procureme	ent Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	67	24-Jul-15 A	28-Sep-15 A	urement Substations 1 05-May-16	& 2 (WASD) - CE	Misc Elect.Im	nproverne	nts										
Construction		97	29-Jan-16 A	05-May-16 A	05-May-16	, Construction													
CD40280 Construction	on - Substations 1 & 2 (WASD) - CDMisc. Elect. Improvements	98	29-Jan-16 A	05-May-16 A	Construction	- Substations 1 &	2 (WASD) - C	D.Misc. E	lect.mpr	vements									
Project Administration		286	24-Jul-15 A	05-May-16 A	05-May-16	, Project Administ	ration												
	oject Administration - Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	287	24-Jul-15 A	05-May-16 A	WASD Proje	ct Administration	Substations 1	1.8.2.(W/	ASD) - CD	Misc. Elect	t. Improve	nents	<u></u> -						
2.01 (2) Substations 3, 4A, 4B, 5 &	6 (Project 2.27(2))	2143	13-Apr-15 A	22-Feb-21		1400	17 A, Enginee	Deel						22-Feb-21, 2.0	1 (2) Substation	5 3, 4A, 4E	5, 5 & 6 (Projet	[2.27(2)))
Engineering Design		733	13-Apr-15 A	14-Apr-17 A		14 , Api	-17 A, Enginee	anng Desi	gn										
	ng Design Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	733	13-Apr-15 A	14-Apr-17 A		Engine	ering Design S	Substatior	os 3, 4A, 4	B, 5, & 6	- CD Mise	Elect Improvement	s						
Procurement		314	05-Jun-17 A	03-Jan-19							1 1								
	ent Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	314	05-Jun-17 A	03-Jan-19						Procuren	nent Sub	stations 3, 4A, 4B, 5	. & 6 - CD Mis	c. Elect.Improve	ements				
Construction	Orthological O. A. A. D. C. B. C. O. Mice. Electric grant and	770	15-Jan-19	22-Feb-21										1 1 1		1		1	
	on Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	770	15-Jan-19	22-Feb-21										Construction Su	ubstations 3, 4A	.4B.5.&	6 CD Misc. E	lect.Impr	£Q\/€
Project Administration	ningt Administration 2 44 4D 5 8 C CD Mins Flagt Improvements	1552	13-Apr-15 A	22-Feb-21									1 1	1 1 1		1	1 1 1		
	opect Administration - 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	1552	13-Apr-15 A	22-Feb-21									- Jun-20, 2,01	WASD Project/	Administration - 9 & 10 (Project	3. 4A. 4B.	5,&6 - CD N	isc, Elect	t.k
.01 (3) Substations 9 & 10 (Projec	# 2.10(1))	1595	11-Mar-16 A	27-Jun-20	<u>_</u>	01-Feb-17	A, Engineering	Design											
Engineering Design CD40850 Engineerir	ng Design Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	327 328	11-Mar-16 A 11-Mar-16 A	01-Feb-17 A 01-Feb-17 A															
	ig Design Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements					Engineering	Design Subst	ations 9 8	8,10.(2,10 May-18 A	- CD Misc	Elect.in	provements							
Permitting CD40930 Permitting	Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	476	18-Jul-16 A 18-Jul-16 A	22-May-18 A 22-May-18 A						Ŭ									
	Substations 9 & 10 (2.10) - OD Milso. Elect.improvements	270	27-Nov-17 A	22-Way-10 A 29-Nov-18 A				Per		bstations 9 29-Nov-18/		10) - CD Misc. Elect.	Improvements						
Procurement CD41010 Procureme	ent Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	270	27-Nov-17 A	29-Nov-18 A			•												
Construction		570	06-Dec-18 A	27-Jun-20				:		Procureme	nt Substa	tions 9 & 10 (2.10)	CD_Misc. Elec -Jun-20, Cons	t.Improvements	•				
	on Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	570	06-Dec-18 A	27-Jun-20															
Project Administration		1226	11-Mar-16 A	27-Jun-20	V							2	onstruction Su '-Jun-20, Proje	bstations 9 & 10 act Administratic	0 (2.10) - CD Mi	sc. Elect.In	provements.		
	pject Administration - 9 & 10 (2.10) - CD Misc. Elect.Improvements	1226	11-Mar-16 A	27-Jun-20															
2.01 (4) Substations 11 & 12 (Proje		1373		27-May-20								27-1	лэр Project A /lay-20, 2.01 (4) Substations 1	9 & 10 (2,10) - 0 11 & 12 (Project	2.11)	eccultiptoveme	ມເຮີ	
Engineering Design		296	24-Aug-16 A	16-Jun-17 A		16	Jun-17 Å, Eng	gineering	Design										
	ng Design Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	297	24-Aug-16 A	16-Jun-17 A	1			ian Cul	ations 44	10/044		Elect Image							
Permitting		152	22-Jun-17 A	27-Feb-18 A		L En	UCERTITIO DEST	27-Feb-1	augus 11. 8 A, Perm	x 1 4 (4.11). Itting (או ערי די אוואנ	c. Elect Improvemen	e	÷					• • •
5	Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	152	22-Jun-17 A	27-Feb-18 A	1			1 1		1	1 1	1 1 1	1 1						
Procurement	·	236	07-Mar-18 A	23-Jan-19	1			ເຮັບທີ່ແທງ	y_ yuusidi	▼ 23-Jan-	19, Proc	CD Misc. Elect Impr irement							
	ent Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	236	07-Mar-18 A	23-Jan-19				: 1	- i	Phone	mont C.	hetations 11 9 43 (2	11) - OD Min -	Elect Improver	onte				
Construction	•	440	15-Mar-19	27-May-20	1						ລາເປາເ ວັນ	bstations.11 & 12 (2 27-1	lay-20, Const	ruction	ביווים				
	on Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	440	15-Mar-19	27-May-20							1		attuction Cut-	tationa 11 9 14 0	(2.11) OD M-		mondata		
Project Administration		1051	24-Aug-16 A	27-May-20			i		· · · · · · · · · · · ·	· · · · •		27-N	lay-20, Projec	Administration	.(2.11) - CD.Misc	. Eleci Jmp	novennenns		
	oject Administration - 11 & 12 (2.11) - CD Misc. Elect.Improvements	1051	24-Aug-16 A	27-May-20							1							te	
2.01 (5) Substations 15 & 16 (Proje		1413	11-Jun-14 A	29-Aug-19		· · · ·					- 2	WA Aug-19, 2.01 (5) S	ubstations 15	& 16 (Project 2.	15(1))	עטוגע, בופ. ¦	u nun nun nun nun nun nun nun nun nun n	ю	•
Engineering Design		475	11-Jun-14 A	29-Sep-15 A	ep-15 A, Engineering	Design													
	ng Design Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	476	11-Jun-14 A	29-Sep-15 A	Dooring Dadies Old	tiono 15 9 10/0		Eloct Here	-		1								
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040960	Permitting Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	330	30-Sep-15 A	24-Aug-16 A	Permitting S	+ + +											
urement		198	15-Apr-16 A	30-Oct-16 A													
41040	Procurement Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	199	15-Apr-16 A	30-Oct-16 A		ement Substati	ons 15.& 16.(2.15) - CD Miso	Elect:Improvements	-Aug-19	nstruction		÷			+	
truction 10750	Construction - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	540 540	31-Oct-16 A 31-Oct-16 A	29-Aug-19 29-Aug-19							1 1						
ect Administration		1413	11-Jun-14 A	29-Aug-19					29	Aug-19, Pro	Substations	15&16(istration	(2.15) - CD.	Misc. Elect Impr	ovements.		
85070	WASD Project Administration - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	1413	11-Jun-14 A	29-Aug-19							1 1	1	1 1			rovomente	
(6) Substations	s 17 & 18 (Project 2.19(2)a)	1437	04-Jun-15 A	24-Jul-19					24-Ju	ul-19, 2.01 (6	6) Substatic	ins 17 & 1	8 (Project 2	& 16 (2,15) - CD 2.19(2)a)			
gineering Design		456	04-Jun-15 A	02-Sep-16 A	02-Sep-16	A, Engineering	Design										
040890	Engineering Design Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	457	04-Jun-15 A	02-Sep-16 A		<u>a Desian Sub</u> st	ations 17 & 1	8 (2.19) - CD N	lsc. Elect.Improvemer	ots							
mitting		408	10-May-16 A	22-Jun-17 A		22-Jur	i-17 A, Peimit	ting									
40970	Permitting Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	409	10-May-16 A	22-Jun-17 A 06-Jul-17 A		Permit	ting Substatic	ns 17 & 18 (2.	19) - CD Misc. Elect In	nprøvernents	S		÷				
curement 041050	Procurement Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	293 294	16-Sep-16 A 16-Sep-16 A	06-Jul-17 A			- i i	- i - i		- i - i -	1 1						
struction		660	20-Jul-17 A	24-Jul-19		Proc	irement Subs	tations 17 & 18	(2.19) - CD Misc. Ele. 24-Ju	ct.Improvem ul-19, Constr	uction						
40770	Construction Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	660	20-Jul-17 A	24-Jul-19					Cons	struction Sub	stations 17	8 18 (2 1		c Elect Improver	nonts		
ect Administration	n	1437	04-Jun-15 A	24-Jul-19					24-Ju	ul-19, Projec	t Administra	tion		c. Elect. Improver			
85080	WASD Project Administration - 17 & 18 (2.19) - CD Misc. Elect.Improvements	1437	04-Jun-15 A	24-Jul-19					WAS	SD. Project:Ad	dministratio	n - 17 & 18	<u>. 3. (2.19) - C</u> I	D Misc. Elect. Imp 8-Jul-21, 2.01 (7	rovements		
(7) Substations	s 7A, 8A, 9A, & 10A	1430	17-Oct-16 A	08-Jul-21									0)8-Jul-21, 2.01 (7) Substations 7	A, 8A, 9A, & 1	JA
Design		229	17-Oct-16 A	17-Sep-18 A				17-5	ep-18 A, Pre-Design								
085410	Pre-Design (TM) - Substations 7A, 8A, 9A, & 10A	97	17-Oct-16 A	09-Aug-17 A		Pre	-Design (TM)		A, 8A, 9A, & 10A								
85420	Pre-Design (Remaining Scope of Work) - Substations 7A, 8A, 9A, & 10A	150	23-Dec-17 A	17-Sep-18 A				Pre-	Design (Remaining So 09-Jun-	cope of Wor 19. Enginee	k) - Substat	ions 7.A, 8	A, 9A, & 10	0A		÷	
neering Design 85430	Draft Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	670 97	09-Aug-17 A 09-Aug-17 A	09-Jun-19 27-Nov-17 A													
85440	Final Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	30	28-Nov-17 A	22-Dec-17 A				1 1	ubmittal - Substations		1.1.1						
85830	Basis of Design Report (BODR) - Substations 7A, 8A, 9A, & 10A	45	19-Sep-18 A	19-Nov-18 A			Final Te		Submittal - Substation	1 1		74 04 6					
85840	Review/Revise BODR - Substations 7A, 8A, 9A, & 10A	18	20-Nov-18 A	07-Dec-18 A					Basis of Design Report				1				
85450	60% Design Submittal - Substations 7A, 8A, 9A, & 10A	52	08-Dec-18 A	28-Jan-19					Review/Revise BODF		1 1 1		1 1				
85460	60% Design Review - Substations 7A, 8A, 9A, & 10A	15	29-Jan-19	12-Feb-19					60% Design Sub	1 1	1 1	11.1	1 1				
85470	100% Design Submittal - Substations 7A, 8A, 9A, & 10A	66	13-Feb-19	19-Apr-19					100% Design Key		1 I I		1	Δ			
40840	Engineering Design - Substations 7A, 8A, 9A, & 10A	180	09-Aug-17 A	09-Jun-19						erina Desian			1 1				
85480	100% Design Review/Permit Ready Submittal - Substations 7A, 8A, 9A, & 10A	51	20-Apr-19	09-Jun-19										stations 7A, 8A, 9	A. & 10A		
nitting		90	10-Jun-19	07-Sep-19					•••••••••••••••••••••••••••••••••••••••	7-Sep-19, Pe	ermitting						
40920	Permitting - Substations 7A, 8A, 9A, & 10A	90	10-Jun-19	07-Sep-19						ermitting - Si	ubstations	7A, 8A, 9A	& 10A				
curement		180	08-Sep-19	05-Mar-20						05	5-Mar-20, P	rocuremen	nt				
085590	Design Documents to Procurement - Substations 7A, 8A, 9A, & 10A	0	08-Sep-19	07.0-140					♦ De	esign Docun	nents to Pro	curement	- Substatio	ons 7A, 8A, 9A, 8	10A		
085600 085610	Submit/Approve SBD Goals and Request to Advertise - Substations 7A, 8A, 9A & 10A	30	08-Sep-19	07-Oct-19					1 I I I I		1.1.1		1	Advertise - Subs	tations 7A, 8A,	9A, & 10A	
85610 85620	Advertise Bid Package - Substations 7A, 8A, 9A, & 10A Bid Solicitation Period - Substations 7A, 8A, 9A, & 10A	60	08-Oct-19 08-Oct-19	06-Dec-19						Advertise Bio			1 1 1				
085630	Bids Due - Substations 7A, 8A, 9A, & 10A Bids Due - Substations 7A, 8A, 9A, & 10A	0	07-Dec-19	00 000-10									a (n. 1977).	8A, 9A, & 10A			
085640	Bid Review Period - Substations 7A, 8A, 9A, & 10A	30	07-Dec-19	05-Jan-20						Bids Du			1				
085650	Award Recommendation - Substations 7A, 8A, 9A, & 10A	0		05-Jan-20						<u> </u>	1 1	1	1.1.1	A, 9A, & 10A	0.0		
041000	Procurement - Substations 7A, 8A, 9A, & 10A	180	08-Sep-19	05-Mar-20						i i	i i	i i	i i	s 7A, 8A, 9A, & 1 , 9A, & 10A	UA		
085660	Final Approvals (BCC, Mayor, Risk Mgmt.) - Substations 7A, 8A, 9A, & 10A	60	06-Jan-20	05-Mar-20										Mamt.) - Substat	ions 74 84 0	A. & 10A	
struction		490	06-Mar-20	08-Jul-21								13 (000, 10		18-Jul-21, Constru	iction		
85670	Contractor Notice to Proceed (NTP) - Substations 7A, 8A, 9A, & 10A	0	06-Mar-20							♦ C	ontractor No	otice to Pro	ceed (NTP	P) - Substations 7	A, 8A, 9A, & 1	DA	
40720	Construction - Substations 7A, 8A, 9A, & 10A	400	06-Mar-20	09-Apr-21						- i -			1	uction - Substatio			
86200	Commissioning - Substations 7A, 8A, 9A, & 10A	30	11-Mar-21	09-Apr-21									Commis	issioning - Substa	ations 7A, 8A, 9	A, & 10A	
85580	Substantial Completion (CD Compliance Date 6/14/21) - Substations 7A, 8A, 9A, & 10A	0	40.5.5.	09-Apr-21*									Substar	ntial Completion	(CD Complianc	e Date 6/14/2) - Subst
40000	Project Closeout - Substations 7A, 8A, 9A, & 10A	90	10-Apr-21	08-Jul-21*				<u></u>	<u> </u>	<u> </u>		<u></u>	P	Project Closeout - 21, Project Admi	Substations 7	. 8A, 9A, & 1	JA
ect Administration 85090	MASD Project Administration - Substations 7A, 8A, 9A, & 10A	850 850	09-Aug-17 A 09-Aug-17 A	09-Apr-21 09-Apr-21													
Building Impro	•	2144	26-Mar-14 A	09-Api-21	<u></u>	· · · · · · · ·		······································		06-	Feb-20, 2.0	2 Buildina		Project Administr ents	ration - Substat	ions 7A, 8A, 9	1, & 10A
ineering Design		771	26-Mar-14 A		05-May-16 A, Engli	neering Design			·····				·			+	
82380	EPA Start Date for Engineering Design - CD Repairs to Various Buildings**	0	01-May-14 A			1 1 1											
42460	EPA Compliance Date for Engineering Design - CD Repairs to Various Buildings**	0		10 0 + 11 1	airs to Various Buildi		uldings**										
10130	Engineering Design - CD Repairs to Various Buildings	772	26-Mar-14 A	ngineenng	g Design - CD Repai Engineering Desigr			dings									
nitting		684	13-Oct-14 A	27-Aug-16 A	27-Aug-16												
82390	EPA Start Date for Permitting - CD Repairs to Various Buildings	0	19-Oct-14 A	a - CD Rer	pairs to Various Buil	ldings											
10290	Permitting - CD Repairs to Various Buildings	620	13-Oct-14 A	23-Jun-16 A		CD Repairs to	Various Buildi	ngs									
80310	EPA Compliance Date for Permitting - CD Repairs to Various Buildings	0		27-Aug-16 A	EPA Comp	liance Date for I	Permitting C	C Repairs to Va	rious.Buildings				ļ			ļ	
urement		973	03-Jun-14 A	31-Jan-17 A	3	∋ı-Jan-17 A, Pr	ocurement										
82400	EPA Start Date for Procurement - CD Repairs to Various Buildings	0	19-Oct-15 A		ate for Procurement												
10530 80320	Procurement - CD Repairs to Various Buildings	933	03-Jun-14 A	21-Dec-16 A		Procurement - C											
struction	EPA Compliance Date for Procurement - CD Repairs to Various Buildings	1880	16-Oct-14 A	08-Dec-19	<u></u>	EPA Compliance	e Date for Pro	curement - CD	Repairs to Various Bu	uildings	19, Constru	ction	÷				
32410	EPA Start Date for Construction - CD Repairs to Various Buildings	0001	18-Oct-14 A	00-000-13		1 1 1											
80330	EPA Compliance Date for Construction - CD Repairs to Various Buildings	0		26-Sep-19*	◆ EPA Sta	art Date for Con	struction - CD	Repairs to Var							- Delate		
10740	Construction - CD Repairs to Various Buildings	1162	16-Oct-14 A	08-Dec-19							ance Date for ction - CD F			Repairs to Variou: ildings	s Buildings		
010910	Substantial Completion (CD Compliance Date 9/26/19) - CD Repairs to Various Buildings	0		08-Dec-19*						-				-		/arious Puild	ac
	ng Improvements - Admin Asbestos Abatement	432	26-Mar-14 A		CD Building Improv	ements - Admi	h Asbestos Ab	atement		. Viostar	mai Comple	auun (CD C	punpliance.	a Date 9/26/19)	UL Repairs to.)	າລາເບບຣ ເວບເປດແກ	lo
ineering Design	•	198	26-Mar-14 A	10-Oct-14 A sign		1 1							· · · · · ·				
11002	Engineering Design - CD Admin Asbestos Abatement	199	26-Mar-14 A		stos Abatement												
nitting		79	13-Oct-14 A	31-Dec-14 A													
11012	Permitting - CD Admin Asbestos Abatement	80	13-Oct-14 A	31-Dec-14 A			estos Abater		I I I I I I I I I I I I I I I I I I I		1.1.1		A				

ASD Consent Dec	Activity Name	Original	Stand	lard Layout w I	aseline (By Phase)	2019 2020 2021	15-Jan-19 2022		Page No.	. 14 (
		Duration			Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2					
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 Asbestos Abatement					
CD84270	Procurement - CD Admin Asbestos Abatement	257	03-Jun-14 A	14-Feb-15 A	ndmin Asbestos Abatement					
CD30000	Bid & Award Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	62	15-Dec-14 A	14-Feb-15 A	os Abatement (Phase 2) - CD Admin Asbestos Abatement				÷	
Construction CD21170	Asbestos Abatement (Phase 1) - CD Admin A sbestos Abatement	228 60	16-Oct-14 A 16-Oct-14 A	01-Jun-15 A 14-Dec-14 A						
CD84280	Construction - CD Admin Asbestos Abatement	229	16-Oct-14 A	01-Jun-15 A	nase 1) - CD Admin Asbestos Abatement					
CD30010	Asbestos Abatement (Phase 2) - CD Admin A sbestos Abatement	39	24-Apr-15 A	01-Jun-15 A	- CD Admin Asbestos Abatement					
Project Administration		432	26-Mar-14 A	01-Jun-15 A	atement (Phase 2) - CDAdmin Asbestos Abatement . Project Administration				+	
CD85100	WASD Project Administration - CD Admin Asbestos Abatement	433	26-Mar-14 A	01-Jun-15 A	zt Administration CD Admin Asbestos Abatement					
.,	stration Building Interior Improvements	1453	26-Mar-14 A	15-Nov-18 A	· · · · · · · · · · · · · · · · · · ·	A, 2.02 (1)b CD Administration Building Interior Improvements				
Engineering Design		66	26-Jan-15 A	02-Apr-15 A	ineering Design					
CD11004	Engineering Design (Remodel) - CD Administration Interior Improvements	67	26-Jan-15 A	02-Apr-15 A	gn (Remodel) - CD Administration Interior Improvements				÷	
Permitting CD11014	Permitting (Remodel) - CDAdministration Building Interior Improvements	195 196	02-Apr-15 A 02-Apr-15 A	14-Oct-15 A 14-Oct-15 A						
Procurement		387	02-Nov-15 A	23-Nov-16 A	mitting (Remodel) - CDA dministration Building Interior Improvements 23-Nov-16 A; Procurement				++	
CD30860	Design Documents Sent to Procurement - CD Administration Building Interior Improvements	0	02-Nov-15 A		sign Documents Sent to Procurement - CD Administration Building Interior Improve	amente				
CD30870	Submit/Approve SBD Goals and Request to Advertise - CD Administration Building Interior Improvements	95	02-Nov-15 A	04-Feb-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Administration Build					
CD30880	Advertise Bid Package - CD Administration Building Interior Improvements	0	04-Mar-16 A		 Advertise Bid Package - CD Administration Building Interior Improvements 					
CD30890	Bid Solicitation Period - CDAdministration Building Interior Improvements	120	05-Mar-16 A	02-Jul-16 A	Bid Solicitation Period - CDAdministration Building Interior Improvement	ents				
CD30900	Bids Due - CD Administration Building hterior Improvements	0	03-Jul-16 A		 Bidş Due - CD Adminiştration Building hterior Improvements 					
CD30910	Bid Review Period - CD Administration Building hterior Improvements	47	03-Jul-16 A	18-Aug-16 A	Bid Review Period - CD Administration Building Interior Improveme	ents				
CD80340	Rebid Solicitation Period - CD Administration Building hterior Improvements	34	19-Aug-16 A	21-Sep-16 A	Rebid Solicitation Period - CD Administration Building hterior Im					
CD80350	Rebids Due - CD Administration Building Interior Improvements	0	22-Sep-16 A	40.0	Rebids Due - CD Administration Building Interior Improvements					
CD80360	Rebid Review Period - CD Administration Building Interior Improvements	27	22-Sep-16 A	18-Oct-16 A	Rebid Review Period - CD Administration Building Interior Impr	rovements				
CD30920	Award Recommendation - CD Administration Building hterior Improvements	0	00 No. 45 A	18-Oct-16 A	Award Recommendation - CD Administration Building ht erior	Improvements				
CD11022	Procurement - CD Administration Building Interior Improvements	388	02-Nov-15 A	23-Nov-16 A	Procutement - CD Administration Building Interior Improvem					
CD30930	Final Approvals - CD Administration Building Interior Improvements	36 451	19-Oct-16 A 22-Dec-16 A	23-Nov-16 A 15-Nov-18 A		ements			+	
Construction CD11031	Contractor Notice to Proceed (NTP) - CD Administration Building Interior Improvements	431	22-Dec-16 A	13-N04-16 A						
CD11032	Construction (Remodel) - CD Administration Building Interior Improvements	331	22-Dec-16 A	17-Jan-18 A	 Contractor Notice to Proceed (NTP) - CD Administration B 					
CD11042	Substantial Completion (CD Compliance Date 9/26/19) - CDAdministration Building Interior Improvements	0	22 200 1071	17-Jan-18 A	and a second	Administration Building hterior Improvements				
CD40010	Project Closeout - CD Administration Building	30	18-Jan-18 A	15-Nov-18 A		ompliance Date 9/26/19) - CD Administration Building Interior Improv	ements			
Project Administration		1363	26-Mar-14 A	15-Nov-18 A	T5-Nov-18	oseout - CD Administration Building 3 A, Project Administration			÷	
CD33940	WASD Project Administration - CD Administration Building	1363	26-Mar-14 A	15-Nov-18 A	WASDPr	oject Administration - CD Administration Building				
2.02 (1)c CD Misc. Ro	oof Improvements	627	31-Jan-15 A	19-Oct-16 A	19 Oct-16 A, 2:02 (1)c CD Misc. Roof Improvements					
Procurement		478	31-Jan-15 A	23-May-16 A	23-May-16 A, Procurement					
CD30070	Procurement - CD Misc. Roof Repairs	479	31-Jan-15 A	23-May-16 A	Procurement - CD Misc. Roof Repairs				ļ	
Construction	Cuitebacer Duilding Deaf Density CD Miss Deaf Density	557	11-Apr-15 A	19-Oct-16 A	19Oct-16 A, Construction					
CD30020 CD33670	Switchgear Building Roof Repairs - CD Misc. Roof Repairs Construction - CD Misc. Roof Repairs	47 558	11-Apr-15 A 11-Apr-15 A	27-May-15 A 19-Oct-16 A	uilding Roof Repairs - CD Misc. Roof Repairs					
CD30030	Maintenance Building Roof Repairs - CD Misc. Roof Repairs	150	•	19-Oct-16 A		Construction - CD Misc: Roof Repairs				
CD30040	Operation & Control Building Roof Repairs - CD Misc. Roof Repairs	150	,	19-Oct-16 A	Maintenance Building Roof Repairs - CD Misc. Roof Repairs					
Project Administration		627	31-Jan-15 A	19-Oct-16 A	Operation & Control Building Roof Repairs - CD Misc. Roof Re 19 Oct-16 A, Project Administration	epairs				
CD85110	WASD Project Administration - CD Misc. Roof Repairs	628	31-Jan-15 A	19-Oct-16 A						
2.02 (2) Remodel Bat	throoms, Locker Rooms & Showers	1876	19-Dec-14 A	06-Feb-20		▼ 06-Feb-20, 2.02 (2) Remodel Bathrooms, Lock	or Rooms & Showe	s		
Pre-Design		176	19-Dec-14 A	13-Jun-15 A	, Pre-Design					
CD11242	Pre-Design - CD Misc. Building Improvements	177	19-Dec-14 A	13-Jun-15 A	CD Misc. Building Improvements. 22-Dec-15 A, Engineering Design				<u>.</u>	
Engineering Design	Environmente Device Device D. 7 1 1	326	14-Jun-15 A	22-Dec-15 A	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 CD11102	Negotiate Phase II Design - CD Misc. Building Improvements	51	27-Jul-15 A	15-Sep-15 A	iate Phase II Design - CD Misc. Building Improvements					
CD11102 CD32490	Engineering Design (Summary) - CD Misc. Building Improvements Engineering Design Phase II - CD Misc. Building Improvements	98	14-Jun-15 A 16-Sep-15 A	22-Dec-15 A 22-Dec-15 A	Engineering Design (Summary) - CD Miso. Building Improvements					
Permitting		98	05-May-16 A	22-Dec-15 A 23-Jan-19	Engineering Design Phase II : CD Misc. Building Improvements.	an-19, Permitting			+	<u>.</u>
CD11112	Permitting - CD Misc. Building Improvements	50		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		23-Jun-16 A	RER DERM Permit - CD Misc; Building Improvements					
CD85910	Dry-Run Permit - CD Misc. Building Improvements	180	27-Jul-18 A	23-Jan-19		Run Permit - CD Misc. Building Improvements				
Procurement		1116	23-Jun-16 A	11-Jun-19		un Permit - CD Misc. Building Improvements. 11-Jun-19, Procurement				
CD30340	Design Documents Sent to Procurement - CD Misc. Building Improvements	0	22-Aug-16 A		Design Documents Sent to Procurement - CD Misc. Building Impr	rovements				
CD30350	Submit/Approve SBD Goals and Request to Advertise - CD Misc. Building Improvements	7		28-Aug-16 A	Submit/Approve SBD Gdals and Request to Advertise - CD Misc.	Building Improvements				
CD30360	Advertise Bid Package - CD Misc. Building Improvements	0	29-Aug-16 A	40.0	Advertise Bid Package - CD Misc. Building Improvements					
CD30370	Bid Solicitation Period - CD Misc. Building Improvements	51		18-Oct-16 A	Bid Solicitation Period - CD Misc. Building Improvements					
CD30380	Bids Due - CD Misc. Building Improvements	0	18-Oct-16 A	26.0~ 10.4	Bids Due - CD Misc. Building Improvements					
CD30390	Bid Review Period - CD Misc. Building Improvements	9	18-Oct-16 A	26-Oct-16 A	Bid Review Period - CD Misc. Building Improvements					
CD30400	Award Recommendation - CD Misc. Building Improvements Procurement - CD Misc. Building Improvements	0	22 km 46 A	26-Oct-16 A	Award Recommendation - CD Misc. Building Improvements					
CD11122 CD30410	Procurement - CD Misc. Building Improvements Final Approvals (RCC, Mayor, Risk Marth) - CD Misc. Building Improvements	182 71	23-Jun-16 A 27-Oct-16 A	21-Dec-16 A 05-Jan-17 A	Procurement - CD Misc. Building Improvements					
CD30410 CD86420	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Misc. Building Improvements Procurement - CD Misc. Building Improvements	210	27-Oct-16 A 14-Nov-18 A	05-Jan-17 A 11-Jun-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Misc. Bui					
CD86420 Construction		1115	14-INOV-18 A 18-Jan-17 A	06-Feb-20		Procurement - CD Misc. Building Improvements O6-Feb-20, Construction			+	
CD30420	Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements	0	18-Jan-17 A	00-1 60-20						
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 Activities Stopped - CD Misc. Building Improvements	0		31-Oct-17 A						
CD85860	100% NFC Draft Submittal - CD Misc. Building Improvements	28	16-Apr-18 A	15-May-18 A	Construction Activities Stopped - CD					
CD85880	100% NFC Review - CD Misc. Building Improvements		17-May-18 A	24-May-18 A		nittal - CD Misc. Building Improvements				
		·	25-May-18 A	26-Jul-18 A	I 100% NFC Heview - C	CD Misc. Building Improvements	; ; ;		1	

	Activity Name	Original	Stand	Finish	Baseline (By Pha 2016	ase)	2017	2018	2019	2020		15-Jan-19 13:18	5 - Page No 2023	J. 1
		Duration	otari			Q4 Q1 (Q1 Q2 Q3 Q4 Q1					Q 4
CD85930	100% Bid Ready - CD Misc. Building Improvements	22	23-Oct-18 A	13-Nov-18 A					00% Bid Ready - CD Misc. Bu	ildina Improvements				
CD85920	Construction - CD Misc. Building Improvements	180	12-Jun-19	08-Dec-19					Con:	struction - CD Misc. Building In	nprovements			
CD86210	Commissioning - CD Misc. Building Improvements	30	09-Nov-19	08-Dec-19					Com	missioning - CD Misc. Building	g Improvements		:	
D11142	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements	0		08-Dec-19*						stantial Completion (CD Comp		D Misc. Building Imp	ovements	
D40020	Project Closeout - CD Misc. Building Improvements	60	09-Dec-19	06-Feb-20*						1 I I I I I I I I I I I I I I I I I I I				
ject Administration	n	981	14-Jun-15 A	06-Feb-20					•	Project Closeout - CD Misc. Bi 06-Feb-20, Project Administra	ton			
D33950	WASD Project Administration - CD Misc. Building Improvements	981	14-Jun-15 A	06-Feb-20							- CD Misc Building Impr	nvemente		
Headworks/G	Brit Basin Plant 1	1786	05-Jun-14 A	25-Apr-19					25-Apr-19, 2.03 He	WASD Project Administration adworks/Grit Basin Plant 1				
e-Design		122	05-Jun-14 A	05-Oct-14 A									(*************************************	
D20000	Pre-Design - CD Headworks/Grit Basin Plant 1	123	05-Jun-14 A	05-Oct-14 A										
gineering Design		514	01-Sep-14 A	28-Jan-16 A	Grit Basin Plant 1. ▼ 28-Jan-16 A, En	gineering De	sign			· · · · · · · · · · · · · · · · · · ·				
D82420	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	0	01-Sep-14 A	20 04111071									(
D20040	Technical Memo #1 - CD Headworks/Grit Basin Plant 1	0	27-Oct-14 A		Design - CD Headw	i i	sin Plant 1**							
020050	Technical Memo #2 - CD Headworks/Grit Basin Plant 1	0	08-Dec-14 A		eadworks/Grit Basin									
					Headworks/Grit Bas	sin Plant 1								
D30090	Draft BODR Issued - CD Headworks/Grit Basin Plant 1	0	31-Mar-15 A		ed - CD Headworks/0	Grit Basin Pla	int 1							
020020	Basis of Design Report - CD Headworks/Grit Basin Plant 1	136	24-Nov-14 A	08-Apr-15 A	Report - CD Headwo	orks/Grit Bas	n Plant 1							
020060	Negotiate Final Design - CD Headworks/Grit Basin Plant 1	108	09-Feb-15 A	27-May-15 A	al Design - CD Head	dworks/Grit E	asin Plant 1							
030270	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 1	0	27-May-15 A		r Final Design - CD H	i i	- i i i							
030280	Procurement Contract Modification - CD Headworks/Grit Basin Plant 1	1	17-Jun-15 A	17-Jun-15 A			dworks/Grit Basin I	Plant 1						
032520	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1	31	17-Jun-15 A	17-Jul-15 A	Equipment Pre-Purch									
021110	60% Design Submittal - CD Headworks/Grit Basin Plant 1	52	17-Jun-15 A	07-Aug-15 A				JIL DASIT FIGIJE I						
021120	60% Design Review - CD Headworks/Grit Basin Plant 1	12	10-Aug-15 A	21-Aug-15 A	sign Submittal - CD I									
20030	100% Design Submittal - CD Headworks/Grit Basin Plant 1	12	-	18-Dec-15 A	esign Review - CD H									
			21-Aug-15 A		100% Design Subn	nittal - CD He	adworks/Grit Basin	Plant 1						
080390	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	0	04.55	05-Jan-16 A				D Headworks/Grit Bas	n Plant 1**					
010050	Engineering Design - CD Headworks/Grit Basin Plant 1	431	24-Nov-14 A	28-Jan-16 A	Engineering Des	sign - CD Hea	dworks/Grit Basin I	Plant 1						
040320	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 1	41	19-Dec-15 A	28-Jan-16 A	100% Design Re	view/Permit	Ready Submittal -	CD.Headworks/Grit.B	sin Plant 1				l	
mitting		732	04-Aug-14 A	05-Aug-16 A	05-/	Aug-16 Å, Pe	mitting							
080400	EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 1**	0	04-Aug-14 A		D Headworks/Grit Ba	asin Plant 1*								
082430	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 1**	0		01-Jun-16 A		1 1	e for Permitting - C	D Headworks/Grit Ba	sin Plant 1**					
010220	Permitting - CD Headworks/Grit Basin Plant 1	191	28-Jan-16 A	05-Aug-16 A			leadworks/Grit Bas							
D80030	City of Miami Building Permit - CD Headworks/Grit Basin Plant 1	190	29-Jan-16 A	05-Aug-16 A		-								
curement		659	21-Aug-15 A	09-Jun-17 A	City	of Wiami BL	iding Permit - CD F	leadworks/Grit Basin. Procurement	Plant 1				·	
032870	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1	70	21-Aug-15 A	29-Oct-15 A										
D32880	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1	0	30-Oct-15 A	20 000 1077		- i i		D Headworks/Grit Ba						
					vertise Pre-Purchase	e Package (S	creening Equipme	nt) - CD Headworks/C	rit Basin Plant 1				: : :	
D82440	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 1	0	06-Jan-16 A		EPA Start Date fo	r Procureme	nt - CD Headworks	Grit Basin Plant 1						
D32890	VendorBid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 1	98	30-Oct-15 A	04-Feb-16 A	VendorBid & Av	ward (Screer	ing Equipment) - C	D Headworks/Grit Ba	sin Plant 1					
D32900	VendorNTP (Screening Equipment) - CD Headworks/Grit Basin Plant 1	0		04-Feb-16 A	♦ VendorNTP (So	reening Equ	pment) - CD Head	works/Grit Basin Plan	1 1 1 1				: : :	
030430	Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 1	0	07-Mar-16 A		Design Docum	nents Sent t	Procurement - CE	Headworks/Grit Bas	n Plant 1					
030440	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 1	67	28-Mar-16 A	02-Jun-16 A	i i i	- i i	i i i	i i i	eadworks/Grit Basin Plant 1					
D30450	Advertise Bid Package - CD Headworks/Grit Basin Plant 1	0	03-Jun-16 A				e - CD Headworks							
030460	Bid Solicitation Period - CD Headworks/Grit Basin Plant 1	46	03-Jun-16 A	18-Jul-16 A				ks/Grit Basin Plant 1						
D30470	Bids Due - CD Headworks/Grit Basin Plant 1	0	19-Jul-16 A											
D30480	Bid Review Period - CD Headworks/Grit Basin Plant 1	14	19-Jul-16 A	01-Aug-16 A	1 1 1	1 1	adworks/Grit Basin	1 1 1						
D30490	Award Recommendation - CD Headworks/Grit Basin Plant 1	0		01-Aug-16 A		- i i	d - CD Headworks	- i i i						
030500	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 1	7	02-Aug-16 A	08-Aug-16 A		1 1	1 1 1	dworks/Grit Basin Pla						
		· ·	02-Aug-16 A 07-Mar-16 A		; Fina			Ngmt.) - CD Headwor	ks/Grit Basin Plant 1					
010230	Procurement - CD Headworks/Grit Basin Plant 1	176	07-1VIAI-16 A	29-Aug-16 A		Procureme	nt - CD Headworks	Grit Basin Plant 1						
082220	P.O. Issued - CD Headworks/Grit Basin Plant 1	0		29-Aug-16 A	● P.	O. Issued - C	D Headworks/Grit I	Basin Plant 1						
081830	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 1	0		16-Oct-16 A	_	EPA Comp	iance Date for Proc	curement - CD Headw	/orks/Grit Basin Plant 1					
030080	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 1	455	21-Aug-15 A	17-Nov-16 A		Owner P	e-purchase Screer	ning Equipment - CD I	leadworks/Grit Basin Plant 1					
32910	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 1	288	04-Feb-16 A	17-Nov-16 A		1 1			adworks/Grit Basin Plant 1					
32820	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 1	28	21-Oct-16 A	17-Nov-16 A		1 1		(RTUs) - CD Headwor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
32840	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 1	88	18-Nov-16 A	13-Feb-17 A				RTUs) - CD Headwork						
32850	VendorNTP (RTUs) - CD Headworks/Grit Basin Plant 1	0		13-Feb-17 A		1 1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1							
032510	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 1	232	21-Oct-16 A	09-Jun-17 A	-	- i i	- i i i	CD Headworks/Grit Ba						
32860	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 1	116	14-Feb-17 A	09-Jun-17 A			Owner Pre-pu	cnase RIUs - CD He	adworks/Grit Basin Plant 1				: : :	
struction		1225	18-Dec-15 A	25-Apr-19			L; Fabricate & De	enver RTUs CD;Head	works/Grit Basin Plant 1 25-Apr-19, Construct	tion				
40300	Install Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 1	1225	18-Dec-15 A	12-May-16 A										
				i may-1074		- i i	- i i i	e - CD Headworks/Gri						
010458	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 1	0	0		♦ α	ontractor Not	ice to Proceed (NT	P) - CD Headworks/G	rt Basin Plant 1					
082450	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 1	0	17-Oct-16 A	0-1-1-	_	EPA Start [Date for Constructio	n - CD Headworks/Gr	i Basin Plant 1					
040790	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 1	410	0	25-Jan-19					Construction (Remaining	Scope) - CD Headworks/Grit B	aşin Plant 1			
010460	Construction - CD Headworks/Grit Basin Plant 1	410	30-Aug-16 A	25-Jan-19					Construction - CD Hea	dworks/Grit Basin Plant 1			: : :	
086220	Commissioning - CD Headworks/Grit Basin Plant 1	45	12-Dec-18 A	25-Jan-19					Commissioning - CD Head	works/Grit Basin Plant 1				
010920	Substantial Completion (CD Compliance Date 3/16/19) - CD Headworks/Grit Basin Plant 1	0		25-Jan-19*					 Substantial Completion (C) 	i i i i i	- CD Headworks/Crit Pa	isin Plant 1		
081840	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 1	0		16-Mar-19*	1									
040030	Project Closeout - CD Headworks/Grit Basin Plant 1	90	26-Jan-19	25-Apr-19*						for Construction - CD Headwo				
ject Administration	•	1145	24-Nov-14 A	25-Apr-19				<u></u>	25-Apr-19, Project 4	D Headworks/Grit Basin Plant Idministration	- <u>-</u>		·	
233960	WASD Project Administration - CD Headworks/Grit Basin Plant 1	1145	24-Nov-14 A	25-Apr-19 25-Apr-19									(
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	Grit Basin Plant 2	1967	05-Jun-14 A	23-Oct-19							III FIdIIL Z		·	
Design		122	05-Jun-14 A	05-Oct-14 A										
020010	Pre-Design - CD Headworks/Grit Basin Plant 2	123	05-Jun-14 A	05-Oct-14 A	Grit Basin Plant 2									
jineering Design		536	01-Sep-14 A	19-Feb-16 A	Grit Basin Plant 2 19-Feb-16 A, E	Engineering [Design							
082460	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 2	0	01-Sep-14 A		Design - CD Headw	vorks/Grit Bo	sin Plant 2							
020080	Technical Memo #1 - CD Headworks/Grit Basin Plant 2	0	27-Oct-14 A		eadworks/Grit Basin	i i i							: : :	
	Technical Memo #2 - CD Headworks/Grit Basin Plant 2	-	08-Dec-14 A		pauwurks/Gnt Basin	r iaiil Z			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		

	cree Schedule - December 2018 Update			w Baseline (By Phase) 15-Jan-19 13:15 - Page No. 16 of 2016 2017 2018 2019 2020 2021 2022 2023 20
ID	Activity Name	Original St Duration	art Finish	2016 2017 2018 2019 2020 2021 2022 2023 2 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 <td< th=""></td<>
CD30290	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 2	0 08-De	>-14 A	n - CD Headworks/Grit Basin Plant 2
CD20070	Basis of Design Report - CD Headworks/Grit Basin Plant 2	136 24-No	⊬14 A 08-Apr-15 A	
CD20100	Negotiate Final Design - CD Headworks/Grit Basin Plant 2	108 09-Fel	o-15 A 27-May-15 A	
CD32530	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 2	31 17-Ju	n-15 A 17-Jul-15 A	
CD21150	60% Design Submittal - CD Headworks/Grit Basin Plant 2	52 17-Ju	n-15 A 07-Aug-15	
CD21160	60% Design Review - CD Headworks/Grit Basin Plant 2	12 10-Au	g-15 A 21-Aug-15	
CD20110	100% Design Submittal - CD Headworks/Grit Basin Plant 2	120 21-Au	g-15 A 18-Dec-15 /	
CD10040	Engineering Design - CD Headworks/Grit Basin Plant 2	431 24-No	⊬14A 28-Jan-16A	
CD40330	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 2	42 18-De	-15 A 28-Jan-16 A	A 100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 2
CD81850	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 2	0	19-Feb-16 /	
Permitting		520 04-Ma	r-15 A 05-Aug-16	A <u>• EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 2</u> 05-Aug-16 A Permitting
CD82470	EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 2**	0 04-Ma	r-15 A	Permitting - CD Headworks/Grit Basin Plant 2**
CD81860	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 2**	0	18-Jun-16 A	A ♦ EPA Compliance Date for Permitting - CD Headworks/Gritt Basin Plant 2**
CD10200	Permitting - CD Headworks/Grit Basin Plant 2	190 29-Jai	n-16 A 05-Aug-16	A Permitting - OD Headworks/Grit Basin Plant 2
CD80040	City of Miami Building Permit - CD Headworks/Grit Basin Plant 2	190 29-Jai	n-16 A 05-Aug-16	A City of Miami Building Permit - CD Headworks/Grit Basin Plant 2.
Procurement		792 17-Ju		
CD30300	Procurement Contract Modification - CD Headworks/Grit Basin Plant 2	1 17-Ju		IL CONTract Modification - CD Read works Gill Basin Plant 2
CD31331	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	70 21-Au	-	A p-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2
CD31371	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	0 30-Oc		vertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2
CD31381	Vendor Bid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 2	91 30-Oc		
CD31431	Vendor NTP (Screening Equipment) - CD Headworks/Grit Basin Plant 2	0	29-Jan-16 A	A ♦ Vendor NTP (Screening Equipment) - CD Headworks/Grit Basin Plant 2
CD82480	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 2	0 03-Ma		◆ 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-Ma		◆ Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 2
CD30530	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 2	96 28-Ma		A Subimit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 2
CD30540	Advertise Bid Package - CD Headworks/Grit Basin Plant 2	0 02-Ju		Advertise Bid Package - CD Headworks/Grit Basin Plant 2
CD30550	Bid Solicitation Period - CD Headworks/Grit Basin Plant 2	17 02-Ju		A Bid Solicitation Period - CD Headworks/Grit Basin Plant 2
CD30560	Bids Due - CD Headworks/Grit Basin Plant 2	0 19-Ju		Bids Due - CD Headworks/Grit Basin Plant 2
CD30570	Bid Review Period - CD Headworks/Grit Basin Plant 2	14 19-Ju		Did Review Fellou - CD Readworks/Gin basin Flain 2
CD30580	Award Recommendation - CD Headworks/Grit Basin Plant 2	0	01-Aug-16	Awalu Recommendation - CD Reduworks/Gint Dasin Flain 2
CD30590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 2	7 02-Au	· •	Final Approvals (BCC, Mayor, Nor Mignic) - CD Headwoins Ginc Basin Finan 2
CD10210	Procurement - CD Headworks/Grit Basin Plant 2	176 07-Ma	3	
CD82230	P.O. Issued - CD Headworks/Grit Basin Plant 2	0	29-Aug-16	
CD31321	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 2	28 21-Oc		Pre-Purchase Bid Package (RTUS) - CD Headworks/Grit Basin Plant 2
CD31351	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 2	88 18-No		
CD31391	VendorNTP (RTUs) - CD Headworks/Grit Basin Plant 2	0	13-Feb-17 /	▼ vendori v i P (RTUS) - CD Headworks Girt Basin Plant 2
CD81870	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 2	0	02-Mar-17 /	◆ EPA Compliance Date for Procurement - CP Headworks Grit Basin Plant 2
CD30100	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 2	658 17-Ju	· ·	Owner Pre-purchase Screening Equipment - CD Readworks/Gill Basin Plant 2
CD31441	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 2	432 29-Jai	· · ·	Fablicate & Deliver Screening Equipment - CD Headworks/Gin Basin Plant 2
CD32550	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 2	300 21-Oc		
CD31401	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 2	184 14-Fel		- Fabricate & Deliver RTUS - CD-Feadworks/Ghit Basin Plant 2
Construction CD40310	Installation of Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 2	1416 08-De 156 08-De		
CD10448	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 2	0 30-Au		
CD82490	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 2	0 30-Ad	•	Contractor Notice to Proceed (NTP) - CD Headworks/Grt Basin Plant 2
CD10450	Construction - CD Headworks/Grit Basin Plant 2	560 08-De		◆ EPA \$tart Date for Construction - CD Headworks/Grit Basin Plant 2
CD40800	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2	560 30-Au		
CD86230	Commissioning - CD Headworks/Grit Basin Plant 2	45 11-Ju	•	
CD10750	Substantial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2	45 1150	25-Jul-19*	Commissioning - CD meadworks Git Basin Plant 2
CD81880		0		▼ Substantial Completion (CD Completion (CD Completion)) - CD Readworks/Gitt Basin, Plant.2
CD40040	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2	90 26-J	23-Aug-19	
Project Administration	Project Closeout - CD Headworks/Grit Basin Plant 2	1295 24-No		
CD33970	WASD Project Administration - CD Headworks/Grit Basin Plant 2	1295 24-No 1295 24-No		
.05 Oxygenation 1		2965 01-Ma		wa SD Project Agministration - CD Headworks/Grit Basin Plant 2
		2303 01-Wa 230 05-Ju	· · ·	
Pre-Design CD81230	Pre-Design - CD Oxygenation Trains Plant 1	230 05-Ju 231 05-Ju		
Engineering Design		231 03-50 2356 01-Ma		
CD80260	Engineering Design (Mixers) - CD Oxygenation Trains Plant 1	63 01-Ma		
CD84540	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 1	0 01-Ju		
CD80470	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 1**	0	02-Sep-14	n - CD Oxydenation Traihs Plaht 1
CD10150	Engineering Design - CD Oxygenation Trains Plant 1	2357 01-Ma	· ·	neenng Design - CD Oxygenation frains Plant 1
CD80280	Engineering Design (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1	173 21-Fel	3	
Permitting		1647 01-Ma		
CD10240	Permitting - CD Oxygenation Trains Plant 1	63 01-Ma		
CD84550	EPA Start Date for Permitting - CD Oxygenation Trains Plant 1	0 03-Se		
CD80480	EPA Compliance Date for Permitting - CD Oxygenation Trains Plant 1	0	02-Sep-15	CD Oxygenation Trains Plant 1
Procurement	,	2434 03-Ma	· ·	
CD80270	Procurement (Mixers) - CD Oxygenation Trains Plant 1	147 03-Ma		
CD81250	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 1	88 17-Jai		
CD81230	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 1	0	14-Dec-17 /	
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0000200	r roomoniona (ondouriar nonao main no) - O Oxygenatori mains Fidrit I	1958 02-De	·	
Construction				
Construction CD12151	Installation of Mixers Trains #2 & 3 - CD Oxygenation Trains Plant 1	81 02-De		

D	Activity Name	Stan Original Start	dard Layout w E	aseline (By Phase) 15-Jan-19 13:15 - Page No. 17 2016 2017 2018 2019 2020 2021 2022 2023
	Activity Name	Duration	FILISI	2016 2017 2016 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
CD32560	Construction - CD Oxygenation Trains Plant 1	1549 02-Dec-13 A	22-Jun-18 A	Construction - CD Oxygenation Trains Plant 1
CD10940	Structural Rehab Train #3 - CD Oxygenation Trains Plant 1	105 13-Feb-18 A	22-Jun-18 A	Structural Rehab Train #3 - CD Oxygenation Trains Plant 1
CD11050	Substantial Completion (CD Compliance Date 4/12/19) - CD Oxygenation Trains Plant 1	0	22-Jun-18 A	◆ Substantial Completion (CD Compliance Date 4/12/19) - CD Oxygenation Trains Plant 1
CD81890	Project Closeout - CD Oxygenation Trains Plant 1	90 23-Jun-18 A	27-Jul-18 A	Project Closeout - CD Oxydenation Trains Plant 1
CD80500	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 1	0	12-Apr-19*	
roject Administration		2556 01-Mar-11 A	22-Jun-18 A	
CD33980	WASD Project Administration - CD Oxygenation Trains Plant 1	2556 01-Mar-11 A	22-Jun-18 A	WASD Project Administration - CD Qxygehation Trains Plant 1
6 Oxygenation Ti	rains Plant 2	4063 01-Mar-11 A	14-Apr-22	▼ 14iApr-22, 2.06 Oxygenation Trains Plant
re-Design		230 05-Jul-16 A	20-Feb-17 A	20-Feb-17 A, Pre-besgn
CD81270	Pre-Design - CD Oxygenation Trains Plant 2	231 05-Jul-16 A	20-Feb-17 A	
ngineering Design		2356 01-Mar-11 A	12-Aug-17 A	Pre-Design - CD Oxygenation Trains Plant 2 12-Aug-17 A; Engineering Design
CD10610	Engineering Design - CD Oxygenation Trains Plant 2	63 01-Mar-11 A	02-May-11 A	Engineering Design - CD Oxygenation Trans Plant 2
CD82500	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 2	0 01-Jun-16 A		
D80510	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 2**	0	02-Sep-16 A	◆ EPA Start Date for Engineering Design - CD Ow genation Trains Plant 2
D81280	Engineering Design (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	173 21-Feb-17 A	12-Aug-17 A	◆ EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 2**
D81290	Engineering Design (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	173 21-Feb-17 A	12-Aug-17 A	Engineering Design (Structural Rehab Tran #2) - CD Oxygenation Trains Plant 2
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rmitting D10690	Domitting OD Overgoastics Trains Dant 2	2378 01-Mar-11 A	02-Sep-17 A	; ; <u></u> ; ; ; ; ;] ; ; ; ; ; ; ; ; ; ; ; ; ;
	Permitting - CD Oxygenation Trains Plant 2	62 01-Mar-11 A	02-May-11 A	Permitting - CD Oxygenation Trains Flant 2
D82510	EPA Start Date for Permitting - CD Oxygenation Trains Plant 2	0 03-Sep-16 A		◆ EPA \$tart Date for Permitting CD Oxygenation Trains Plant 2
D80520	EPA Compliance Date for Permitting - CD Oxygenation Trains Plant 2	0	02-Sep-17 A	♣ EPA Compliance Date for Permitting - CD Oxygenation Trains: Plant 2. 12-Oct-19, Produrement
curement		3086 02-May-11 A	12-Oct-19	12-Dct-19, Procurement
081310	Procurement (Mixers) - CD Oxygenation Trains Plant 2	517 02-Sep-13 A	31-Jan-15 A	- CD Oxygenation Trains Plant 2
82520	EPA Start Date for Procurement - CD Oxygenation Trains Plant 2	0 03-Sep-17 A		♦ EPA Start Date for Procurement - CD Oxygenation Trains Plant 2
080530	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 2	0	16-Nov-18 A	◆ EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 2
81300	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	90 20-Oct-17 A	13-May-19	Procurement;(Structural Rehab Train #2) - CD Oxygenation Trains Plant 2
010900	Procurement - CD Oxygenation Trains Plant 2	2754 02-May-11 A	12-Oct-19	Procurement - CD Oxygenation Trains Plant 2
081320	Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	90 15-Jul-19*	12-Oct-19	
struction		2629 02-Feb-15 A	14-Apr-22	Procurement (Structural Rehab. Train #4) - OD Oxygen ation. Trains, Plant 2. √ 14:Apr-22, Construction
011091	Install Mixers Train #1 - CD Oxygenation Trains Plant 2	24 11-Jan-16 A	03-Feb-16 A	hstall Mixers Train #1 - CD Oxygenation Trains Plant 2
012161	Install Mixers Trains #2-4 - CD Oxygenation Trains Plant 2	182 01-Sep-15 A	29-Feb-16 A	
11280	Structural Rehab Train #3 - CD Oxygenation Trains Plant 2	113 09-Nov-15 A	29-Feb-16 A	Install Mixers Trains #2-4 - CD Oxygenation Trains Plant 2
011090	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2	113 17-Jan-17 A	09-May-17 A	
82530	EPA Start Date for Construction - CD Oxygenation Trains Plant 2	0 16-Dec-18 A	03-Way-17 A	Structural Rehab; Train #1 - CD Oxygenation Trains Plant 2
			04 Dec 40	◆ EPA Start Date for Construction - CD Oxygenation Trains Plant 2
030060	Electrical Equip. / Expand Structure - CD Oxygenation Trains Plant 2	1034 02-Feb-15 A	31-Dec-18	Electrical Equip. // Expand Structure - CD Oxygenation Trains Plant 2
011190	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2	155 14-May-19	15-Oct-19	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2
032570	Construction - CD Oxygenation Trains Plant 2	1192 09-Nov-15 A	15-Mar-20	Construction - CD Oxygenation Trains PE
D11380	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2	155 13-Oct-19	15-Mar-20	Structural Rehab Train #4 - CD Oxygenat
D11450	Substantial Completion (CD Compliance Date 4/14/22) - CD Oxygenation Trains Plant 2	0	15-Mar-20*	◆ Substantiał Comeletion (CD Compliance Date 4/14/22) - CD Oxyoenation Trains Plant 2
081900	Project Closeout - CD Oxygenation Trains Plant 2	30 16-Mar-20	14-Apr-20*	Project Closeout - CD Oxygenation Trains Plant 2
D80580	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 2	0	14-Apr-22*	► EPA Compliance Date for Construction -
ject Administration		2584 01-Mar-11 A	15-Mar-20	15-Mar-20, Project Administration
033990	WASD Project Administration - CD Oxygenation Trains Plant 2	2584 01-Mar-11 A	15-Mar-20	WASD Project Administration - CD.Oxygenation Trains Plant 2
Secondary Cla	arifiers Plant 1	3385 11-Jul-15 A	15-Aug-26	
gineering Design		1249 12-Apr-18 A	05-Oct-21	vo5-Oct-21t, Engineering Design
D11350	Engineering Design - CD Secondary Clarifiers Plant 1	455 12-Apr-18 A	04-Sep-19	Engineering Design - CD Secondary Clarifiers Plant f
082540	EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 1	0 01-Apr-21*		
080590	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 1	0	05-Oct-21*	♦ EPA Start Date for Engineering Design - CD Secondary Clarifiers F
mitting		1127 05-Sep-19	05-Oct-22	EPA Compliance Date for Engineering, Design - CD S
011400	Permitting - CD Secondary Clarifiers Plant 1	180 05-Sep-19	02-Mar-20	Permitting - CD Secondary C
082550	EPA Start Date for Permitting - CD Secondary Clarifiers Plant 1	0 06-Oct-21*		
080600		0	05-Oct-22*	EPA Start Date for Permitting - CD Secondary Clarifie
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curement	Programont - CD Secondary Clarifier Plant 4	2007 17-Jul-15 A	05-Oct-23	
011530	Procurement - CD Secondary Clarifiers Plant 1	769 17-Jul-15 A	29-Sep-21	
082560	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 1	0 06-Oct-22*		♦ EPA Start Date for Procurem
80610	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 1	0	05-Oct-23*	
struction		2283 11-Jul-15 A	15-Aug-26	
082570	EPA Start Date for Construction - CD Secondary Clarifies Plant 1	0 06-Oct-23*		e e pa
011598	Construction - CD Secondary Clarifiers Plant 1	1045 11-Jul-15 A	07-Nov-23	
085370	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	0	07-Nov-23*	•
80840	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 1	0	15-Aug-26*	
ect Administration		1986 31-Jul-18 A	05-Feb-24	
034000	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986 31-Jul-18 A	05-Feb-24	
(1) Secondary C	Clarifiers Plant 1	2464 10-May-17 A	05-Feb-24	
Design		181 10-May-17 A	30-Jul-18 A	₩ 30-Jul-18A, Pre-Design
011252	Pre-Design - CD Secondary Clarifiers Plant 1	181 10-May-17 A	30-Jul-18 A	Pie-Desma - CD Secondary Clarifiers Plant 1
jineering Design		398 31-Jul-18 A	04-Sep-19	
20700	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1	60 31-Jul-18 A	09-Jan-19	
020710	BODR Review Period - CD Secondary Clarifiers Plant 1	14 10-Jan-19	23-Jan-19	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1
20720	30% Design Submittal -CD Secondary Clarifiers Plant 1	55 24-Jan-19	19-Mar-19	BODR Review Period - CD Secondary Clarifiers Plant 1
20720	30% Design Review - CD Secondary Clarifiers Plant 1	13 20-Mar-19	01-Apr-19	30% Design Submittal CD Secondary Clarifiers Plant 1
			· ·	I 30% Design Review - CD Secondary Clarifiers Plant 1
020740	60% Design Submittal - CD Secondary Clarifiers Plant 1	60 02-Apr-19	31-May-19	60% Design Submittal - CD Secondary Claiffiers Plant 1
020750	60% Design Review -CD Secondary Clarifiers Plant 1	10 01-Jun-19	10-Jun-19	60% Design Review -CD Secondary Clarifiers Plant 1
020760	100% Design Submittal - CD Secondary Clarifiers Plant 1	56 11-Jun-19	05-Aug-19	📛 100% Design Submittal - CD Secondary Clarifiers Plant 1
084310	Engineering Design - CD Secondary Clarifiers Plant 1	398 31-Jul-18 A	04-Sep-19	Engineering Design - CD Secondary Clarifiers Plant 1
040340	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1	30 06-Aug-19	04-Sep-19	

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ermitting	Demiliar OD Describes OF the Direct 4	180	05-Sep-19	02-Mar-20	V 02-Mår20, Permitting
CD84530	Permitting - CD Secondary Clarifiers Plant 1	180 300	05-Sep-19 03-Mar-20	02-Mar-20 27-Dec-20	Permitting - CD/Secondary Gt
CD84000	Internal Bid Package Review - CD Secondary Clarifiers Plant 1	300	03-Mar-20 03-Mar-20	01-Apr-20	
CD31200	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 1	0	02-Apr-20	017.0120	Internal Bid Package Review - CD Secondary Clarifiers Plant 1
CD31210	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 1	60	02-Apr-20	31-May-20	◆ Design Documents Sent to Procurement- CD \$econdary Clarifiers Plant 1
CD31220	Advertise Bid Package - CD Secondary Clarifiers Plant 1	0	•	01 Way 20	Submit/Approve SBD Goals and Request to Adventise - CD Secondary Clarifiers Plant 1
CD31230	Bid Solicitation Period - CD Secondary Clarifiers Plant 1	60	01-Jun-20	30-Jul-20	◆ Advertise Bid Package - CD Secondary Clarifiers Plant 1
CD31240	Bids Due - CD Secondary Clarifiers Plant 1	0	31-Jul-20	00 001 20	🔲 Bid Solicitation Period - CD Secondary Clarifièrs Plant 1
CD31250	Bid Review Period - CD Secondary Clarifiers Plant 1	30	31-Jul-20	29-Aug-20	♦ Bids Due - CD Secondary Clarifiers Plant 1
D31260	Award Recommendation - CD Secondary Clarifiers Plant 1	0	0100.20	29-Aug-20	Bid Review Period - CD Secondary Clarifiers Plant 1
D84320	Procurement - CD Secondary Clarifiers Plant 1	270	02-Apr-20	23-Aug-20 27-Dec-20	→ Award Recommendation - CD Secondary Clarifiers Plant 1
D31270	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1	120	30-Aug-20	27-Dec-20	Proçurement - CD Secondary Clarifiers Plant 1
onstruction		1135	28-Dec-20	05-Feb-24	Final Approvals. (BCC, Mayor, Risk Mgmt.) - CD. Secondary Qlarifiers. Plan
D11528	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1	0	28-Dec-20 28-Dec-20	05-Feb-24	
D84290	Construction Clarifiers - CD Secondary Clarifiers Plant 1	1045	28-Dec-20	07-Nov-23	
D86240	Commissioning - CD Secondary Clarifiers Plant 1	45	24-Sep-23	07-Nov-23	9
		+3	24-0ep-20		
D11690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	0	00 Nac 00	07-Nov-23*	♦ S
D40050	Project Closeout - CD Secondary Clarifiers Plant 1	90	08-Nov-23	05-Feb-24*	
pject Administration D85120	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986 1986	31-Jul-18 A 31-Jul-18 A	05-Feb-24 05-Feb-24	
			31-Jul-18 A 11-Jul-15 A	11-Feb-21	11-Feb-21, 2.07 (2) Secondary Clarifiers Plant 1 Train Mechanisms
., .	Clarifiers Plant 1 Train Mechanisms	833			▼ 11-Feb;21, 2.07 (2) Getwindary claimlets Plaint in Neutralians
D85820	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	833	11-Jul-15 A 11-Jul-15 A	11-Feb-21 01-Sep-15 A	
				15-Feb-18 A	uction Train 2 (WASD In House) - CD Secondary Clarifiers Train Mechanisms
083560	Construction Train 5 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	124	07-Dec-17 A		Construction Train 5 (WASD In House) - CD Secondary Clarifiers Train Mechanisms
085790	Construction Train 6 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	124	20-Feb-18 A	27-Apr-18 A	Construction Train 6 (WASD In-House) + CD Secondary Clarifiers Train Mechanisms
D83540	Construction Trains 3 - CD Secondary Clarifiers Train Mechanisms	45	01-Oct-19	14-Nov-19	🗖 Construction Trains 3 - CD Secondary Clarifiers Train Mechanisms
084300	Construction Trains - CD Secondary Clarifiers Train Mechanisms	0	11-Jul-15 A	13-Nov-20	Construction Trains- CD \$econdary Qarifiers Train Mechanisms
083550	Construction Train 4 - CD Secondary Clarifiers Train Mechanisms	45	30-Sep-20	13-Nov-20	🗖 Construction Train 4 - CD Secondary Clarifiers Train Mechanisms
083690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Train Mechanisms	0		13-Nov-20*	→ Substantial Completion (CD Compliance Dafe 8/15/26) - CD Secondary Cla
085690	Project Closeout - CD Secondary Clarifiers Train Mechanisms	90	14-Nov-20	11-Feb-21*	Project Closebut - CD Secondary Clarifiers Train Mechanisms
ject Administration		500	01-Oct-19	11-Feb-21	11-Feb;21, Project Administration
D85130	WASD Project Administration - CD Secondary Clarifiers Train Mechanisms	500	01-Oct-19	11-Feb-21	WASD Project Administration - CD Secondary Clarifiers Train Mechan 27.Apr/22, 2.07 (3) Secondary Clarifier
7 (3) Secondary C	Clarifiers Plant 1 Structural Rehab	1749	15-Jul-15 A	27-Apr-22	
e-Design		148	14-Jul-17 A	11-Apr-18 A	11-Apr-18 A, Pre-Design
D83570	Pre-Design Trains 1-6 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	11-Apr-18 A	Pre-Design Trains 1-6-CD Se condiary Clarifiers Structural Rehab
gineering Design		120	12-Apr-18 A	28-Aug-18 A	
D84330	Engineering Design Trans 16 - CD Secondary Clarifiers Plant 1 Structural Rehab	120	12-Apr-18 A	28-Aug-18 A	Engineering Design Trains 1.6- CD Secondary, Clarifiers Plant 1. Structurat Rehab.
curement	Descurrent Teche 0.00/0.00 https:// 00.00.00.00.00.00.00.00.00.00.00.00.00.	1271 90	17-Jul-15 A	29-Sep-21	
D85350	Procurement Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	17-Jul-15 A	06-Oct-15 A	_urement Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab
085770	Procurement Train 6 (WASD In House) - CD Secondary Clarifiers Structural Rehab		26-Feb-18 A	10-Apr-18 A	Procurement Train 6 (WASD In House) - CD Secondary Clariffiers Structural Rehab
D83630	Procurement Trains 3 - CD Secondary Chriffers Structural Rehab	90	02-Nov-18 A	30-Sep-19	Procurement Trains 3 CD Se condary Charife rs Structural Rehab
083650	Procurement Trains 4 - CD Secondary Chriffers Structural Rehab	90	02-Jul-20*	29-Sep-20	Procurement Trains 4 CD Se condrary Charifiers Structural Rehab
084340	Procurement - CD Secondary Clarifiers Plant 1 Structural Rehab	444	17-Jul-15 A	29-Sep-21	Proturement - CD Secondary Clarifiers Plant 1 Struct
086970	Procurement Trains 5 - CD Secondary Clarifiers Structural Rehab	90	02-Jul-21*	29-Sep-21	Procurement Trains 5 - CD Second ary Clarifiers Structor 27-Apr-22, Construction
Istruction		1391	15-Jul-15 A	27-Apr-22	
085360	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	120	15-Jul-15 A	02-Oct-15 A	struction Train 2 (WASD In-House) - CD Secondary Clariffiers Structural Rehab
085780	Construction Train 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	60	26-Feb-18 A	17-Apr-18 A	Construcțion Tr <mark>a</mark> in 6 (WASD In-House) -CD Secondary Clarifiers Structural Rehab
083660	Construction Trains 3 - CD Secondary Clarifiers Structural Rehab	210	01-Oct-19	27-Apr-20	Construction Trains 3 - CD Secondary Clarifiers Structural Rehab
086980	Construction Trains 4 - CD Secondary Clarifiers Structural Rehab	210	30-Sep-20	27-Apr-21	Construction Trains 4 - CD Secondary Clarifiers Structural Rehal
084350	Construction - CD Secondary Clarifiers Plant 1 Structural Rehab	444	15-Jul-15 A	28-Mar-22	Construction - CD Secondary Clariflers Pl
083680	Construction Trains 5 - CD Secondary Clarifiers Structural Rehab	180	30-Sep-21	28-Mar-22	Construction Trains 5 - CD Secondary Cl
083980	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Structural Rehab	0		28-Mar-22*	Substantial Completion (CD Compliance
085700	Project Closeout - CD Secondary Clarifiers Structural Rehab	30	29-Mar-22	27-Apr-22*	Project Closeout - CD Secondary Clarifi 27-Apr-22, Project Administration
ject Administration		738	12-Apr-18 A	27-Apr-22	▼ 27-Apr-22, Project Administration
085140	WASD Project Administration - CD Secondary Clarifiers Structural Rehab	738	12-Apr-18 A	27-Apr-22	. WASD Project Administration - CD.Sec
Secondary Cla	arifiers Plant 2	3428	15-Jul-15 A	01-Dec-24	
gineering Design		2056	16-Mar-16 A	31-Oct-21	▼ 31-Oct-21, Engineering Design
D82580	EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 2	0	01-Jun-16 A		◆ EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 2
010630	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A	Engineering Design - CD Secondary Clarifiers Plant
D80650	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 2	0		31-Oct-21*	◆ EPA Compliance Date for Engineering Design - CD
mitting		521	28-Jul-16 A	22-May-18 A	✓ 22-May-18 A, Permitting
D82590	EPA Start Date for Permitting - CD Secondary Clarifiers Plant 2	0	06-Dec-16 A		◆ EPA \$tart Date for Permitting - CD Secondary Clanfiers Plant 2
080660	EPA Compliance Date for Permitting - CD Secondary Clarifiers Plant 2	0		05-Dec-17 A	♦ EPA Compliance Date for Permitting - CD Secondary Clarifiers Plant 2
D10790	Permitting - CD Secondary Clarifiers Plant 2	466	28-Jul-16 A	22-May-18 A	Permitting - CD Secondary Clarifiers Plant 2;
curement		1440	27-Nov-17 A	30-Sep-21	▼ 30-Sep-21, Produrement
D82600	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 2	0	06-Dec-17 A		♦ EPA Start Date for Procurement - CD Secondary Clarifiers Plant 2
080670	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 2	0		05-Dec-18 A	◆ EPA Compliance Date for Producement - CD Secondary Clarifiers Plant 2
011000	Procurement - CD Secondary Clarifiers Plant 2	1440	27-Nov-17 A	30-Sep-21	Procurement - CD Secondary Clarifiers Plant 2
struction		2163	06-Dec-18 A	01-Dec-24	
D82610	EPA Start Date for Construction - CD Secondary Clarifiers Plant 2	0	06-Dec-18 A		◆ EPA Start Date for Construction - CD Secondary Clarifiers Plant 2
D11117	Construction - CD Secondary Clarifiers Plant 2	1740	06-Dec-18 A	10-Sep-23	
D11570	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		10-Sep-23*	♦ Subs
D80850	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 2	0		01-Dec-24*	→ · · · · · · · · · · · · · · · · · · ·
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ID	ree Schedule - December 2018 Update Activity Name	Original	Start	Finish	Baseline (By Phase) 2016 2017 2018 2019 2020
	/ Kenny Facility	Duration	Otan	1 mon	Q1 Q2 Q3 Q4 Q1 Q2<
CD34010	WASD Project Administration - CD Secondary Clarifiers Plant 2	2705	16-Mar-16 A	09-Nov-23	
2.08 (1) Secondary Cla	arifiers Plant 2	3040	15-Jul-15 A	09-Nov-23	
Pre-Design		244	15-Jul-15 A	15-Mar-16 A	15-Mar-16 A, Pre-Design
CD11262	Pre-Design -CD Secondary Clarifiers Plant 2	245	15-Jul-15 A	15-Mar-16 A	Pre-Design-CD Secondary Clarifiers Plant 2.
Engineering Design CD20830	Draft Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	322 94	16-Mar-16 A 16-Mar-16 A	01-Feb-17 A 17-Jun-16 A	┓
CD20770	BODR Review Period - CD Secondary Clarifiers Plant 2	7	18-Jun-16 A	24-Jun-16 A	Draft Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2
CD70960	Final Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	13	25-Jun-16 A	07-Jul-16 A	BODR Review Period - CD Secondary Clarifiers Plant 2
CD20780	30% Design Submittal - CD Secondary Clarifiers Plant 2	50	08-Jul-16 A	26-Aug-16 A	Final Basis of Design Report (BODR) - CD Secondary Clariffers Plant 2
CD20790	30% Design Review - CD Secondary Clarifiers Plant 2	7	27-Aug-16 A	02-Sep-16 A	30% Design Submittal - CD Secondary Claiffiers Plant 2 30% Design Review - CD Secondary Claiffiers Plant 2
CD20800	60% Design Submittal - CD Secondary Clarifiers Plant 2	42	03-Sep-16 A	14-Oct-16 A	60% Design Submittal - CD Secondary Clarifiers Plant 2
CD20810	60% Design Review - CD Secondary Clarifiers Plant 2	5	15-Oct-16 A	19-Oct-16 A	60% Design Review - CD Secondary Clarifiers Plant 2
CD20820	100% Design Submittal - CD Secondary Clarifiers Plant 2	64	20-Oct-16 A	22-Dec-16 A	100% Design Submittal - CD Secondary Clarifiers Plant 2
CD84360	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A	Engineering Design - CD Secondary Clarifiers Plant 2
CD40350	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 2	41	23-Dec-16 A	01-Feb-17 A	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 2
Permitting		466	28-Jul-16 A	22-May-18 A	Z2-May-18 A, Permitting
CD80140	FDEP Permit- CD Secondary Clarifiers Plant 2	181	28-Jul-16 A	24-Jan-17 A	FDEP Permit- CD Secondary Clarifiers Plant 2
CD80150	RER Permit - CD Secondary Clarifiers Plant 2	97	03-Feb-17 A	10-May-17 A	RER Permit - CD Secondary Clarifiers Plant 2
CD84370 CD80160	Permitting - CD Secondary Clarifiers Plant	466	28-Jul-16 A 10-May-17 A	22-May-18 A 22-May-18 A	Permitting - CD Secondary Clarifiers Plant
	City of Miami Permit - CD Secondary Clarifiers Plant 2		-		Dity of Miam Permit - CD Secondary Clarifiers Plabt 2
Procurement CD84130	GMOU submittal and approval - CD Secondary Clarifiers Plant 2	692 21	03-Feb-17 A 03-Feb-17 A	29-Nov-18 A 23-Feb-17 A	
CD84010	Internal Bid Package Review - CD Secondary Clarifiers Plant 2	3	13-Nov-17 A	26-Nov-17 A	GMOU submittal and approval - CD Secondary Clarifiers Plant 2
CD31280	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 2	0	27-Nov-17 A		Internal Bid Package Review - CD Secondary Clarifiers Plant 2 Desire Descendent Sector Descendent CD Secondary Clarifiers Plant
CD31290	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 2	60	22-Jan-18 A	11-Apr-18 A	Design Document's Sent to Procurement - CD Secondary Clarifiers Plan Submit/Unamers SDD Cools and Descent to Atlenting CD Secondary
CD31300	Advertise Bid Package - CD Secondary Clarifiers Plant 2	0	12-Apr-18 A	•	Submit/Approve SBD Goals and Request to Advertise - CD Se
CD31310	Bid Solicitation Period - CD Secondary Clarifiers Plant 2	45	12-Apr-18 A	04-Jun-18 A	Advertise Bid Package - CD Secondary Clarifiers Plant 2
CD31320	Bids Due - CD Secondary Clarifiers Plant 2	0	05-Jun-18 A		Bid Solicitation Period - CD Secondary Clarifiers Plant 2 ♦ Bids Due - CD Secondary Clarifiers Plant 2
CD31330	Bid Review Period - CD Secondary Clarifiers Plant 2	60	05-Jun-18 A	12-Oct-18 A	Bid Review Period - CD Secondary Clarifiers Plan
CD31340	Award Recommendation - CD Secondary Clarifiers Plant 2	0		12-Oct-18 A	Award Recommendation - CD Secondary Clarifie
CD84380	Procurement - CD Secondary Clarifiers Plant 2	270	27-Nov-17 A	29-Nov-18 A	Procurement - CD/Secondary Clarifiers Plant 2
CD31350	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 2	45	13-Oct-18 A	29-Nov-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) -:CI
Construction		1775	06-Dec-18 A	09-Nov-23	
CD11113	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 2	0	06-Dec-18 A		Contractor Notice to Proceed (NTP) + CD Security
CD11120	Construction Clarifiers 1&2 - CD Secondary Clarifiers Plant 2	348	06-Dec-18 A	18-Nov-19	Construction Clarifiers
CD80120	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2	348	06-Dec-18 A	18-Nov-19	Construction 2 Electric
CD11230	Construction Clarifiers 3&4 - CD Secondary Clarifiers Plant 2	349	19-Nov-19	01-Nov-20	
CD11300	Construction Clarifiers 5&6 - CD Secondary Clarifiers Plant 2	348	02-Nov-20	15-Oct-21	
CD11420	Construction Clarifiers 7&8 - CD Secondary Clarifiers Plant 2	348	16-Oct-21	28-Sep-22	
CD84390	Construction Clarifiers - CD Secondary Clarifiers Plant 2	1740	06-Dec-18 A	10-Sep-23	
CD11510	Construction Clarifiers 9&10 - CD Secondary Clarifiers Plant 2	347	29-Sep-22	10-Sep-23	
CD86250	Commissioning - CD Secondary Clarifiers Plant 2	60	13-Jul-23	10-Sep-23	
CD83700 CD40060	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2 Project Closeout - CD Secondary Clarifiers Plant 2	0	11 Sop 22	10-Sep-23* 09-Nov-23*	
Project Administration	Project Closeout - CD Secondary Claimers Plant 2	60 2615	11-Sep-23 16-Mar-16 A	10-Sep-23	
CD85150	WASD Project Administration - CD Secondary Clarifiers Plant 2	2615	16-Mar-16 A	10-Sep-23	
	arifiers Plant 2 Train Mechanisms	1351	21-Nov-18 A	27-Jun-22	
Construction		1306	21-Nov-18 A	27-Jun-22	
CD83710	Construction Trains 2&3 - CD Secondary Clarifiers Train Mechanisms	45	21-Nov-18 A	04-Jan-19	Construction Trains 2&3 - OD Secondary Cl
CD83720	Construction Train 9 - CD Secon dary Clarifiers Train Mechanisms	45	13-Feb-19	29-Mar-19	Construction Train 9 - CD Secondary C
CD83730	Construction Trains 5&6 - CD Secondary Clarifiers Train Mechanisms	180	01-Oct-19	28-Mar-20	Construction
CD86100	Construction Train 4 - CD Secon dary Clarifiers Train Mechanisms	180	01-Oct-19	28-Mar-20	Construction
CD83740	Construction Trains 7&8 - CD Secondary Clarifiers Train Mechanisms	180	01-Oct-20	29-Mar-21	
CD84400	Construction Trains - CD Secondary Clarifiers Plant 2 Train Mechanisms	1261	21-Nov-18 A	29-Mar-22	
CD83750	Construction Trains 9& 10 - CD Secondary Clarifiers Train Mechanisms	180	01-Oct-21	29-Mar-22	
CD83760	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Train Mechanisms	0		29-Mar-22*	
CD85710	Project Closeout - CD Secondary Clarifiers Train Mechanisms	90	30-Mar-22	27-Jun-22*	
Project Administration		1351	21-Nov-18 A	27-Jun-22	
CD85160	WASD Project Administration - CD Secondary Clarifiers Train Mechanisms	1351	21-Nov-18 A	27-Jun-22	
• •	arifiers Plant 2 Structural Rehab	1795	14-Jul-17 A	12-Jun-22	09-Feb-18 A, Pre-Design
Pre-Design CD83770	Pre-Design Trains 1-10 - CD Secondary Clarifiers Structural Rehab	148 148	14-Jul-17 A 14-Jul-17 A	09-Feb-18 A 09-Feb-18 A	
Engineering Design		148	12-Feb-18 A	16-Jul-18 A	Pre-Design Trains 1, 10 - CD Secondary Clarifiers Structural Rehat
CD85730	50% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	123	12-Feb-18 A	25-Apr-18 A	
CD85740	50% Design Review - CD Secondary Clarifiers Plant 2 Structural Rehab	7	26-Apr-18 A	16-May-18 A	50% Design Submittal - CD Secondary Clarifiers Plant 2 Strue
CD85750	100% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	21	16-May-18A	16-May-18 A	50% Design Review - CD Secondary Clarifiers Plant 2 Struc
CD84410	Engineering Design - CD Secondary Clarifiers Plant 2 Structural Rehab	120	12-Feb-18 A	16-Jul-18 A	I 100% Design Submittal -CD Secondary Clarifiers Plant 2 S
CD85760	100% Design Review/Bid Ready Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	20	16-May-18 A	16-Jul-18 A	Engineering Design - CD Secondary Clarifiers Plant 2 S
Procurement		1187	17-Jul-18 A	30-Sep-21	100% Design Review/Bid Ready. Submittal - CD. Second
CD83870	Procurement Trains 2&3 - CD Secondary Clarifiers Structural Rehab	90	17-Jul-18 A	20-Nov-18 A	Procurement Trains 283 - CD Secondary Clarif
CD87030	Procurement Trains 9 - CD Secondary Chrifers Structural Rehab	90	23-Aug-18 A	29-Mar-19	Procurement Trains 2 CD Secondary Claim
CD83890	Procurement Trains 4 - CD Secondary Clarifiers Structural Rehab	90	03-Jul-19*	30-Sep-19	Procurement Trains 9 - CD Secondary
CD87040	Procurement Trains 5 - CD Secondary Chrifers Structural Rehab	90	03-Jul-19*	30-Sep-19	Procurement Trains 5 + C
			02-Jul-19*	28-Jan-20	
CD87050	Procurement Trains 6 - CD Secondary Clarifiers Structural Rehab	211	02-Ju-19	20-0411-20	Procurement Trai

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	Activity Name	Original Duration	Start	Finish			016	~	01	20'			~	20				2019				2020
D87060	Procurement Trains 8 - CD Secondary Charifiers Structural Rehab	ĮĮ	03-Jul-20*	30-Sep-20	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	43	Q4	Q1 C	Q2 Q	23 (Q4	Q1	Q2 Q3
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D84420	Procurement - CD Secondary Clarifiers Plant 2 Structural Rehab	1187	17-Jul-18 A	30-Sep-21			÷ ÷									1						
D83910	Procurement Trains 1 - CD Secondary Clarifiers Structural Rehab	90	03-Jul-21*	30-Sep-21	_		1															
CD87070	Procurement Trains 10 - CD Secondary Clarifiers Structural Rehab	90	03-Jul-21*	30-Sep-21			<u>.</u>															
nstruction		1278	21-Nov-18 A	12-Jun-22																		
D83920	Construction Trains 2&3 - CD Secondary Clarifiers Structural Rehab	135	21-Nov-18 A	04-May-19			1				1					: <u> </u>	<u> </u>	Con	structi	ion tr	ains 2	&3 - 0D Sec
D83930	Construction Train 9 - CD Secon dary Clarifiers Structural Rehab	135	30-Mar-19	11-Aug-19			1				-					:			i.	- i -	- i -	rain 9 - CD 5
D83940	Construction Trains 5 - CD Secondary Clarifiers Structural Rehab	165	01-Oct-19	13-Mar-20			÷ ÷													nstruc		
D86090	Construction Train 4 - CD Secondary Clarifiers Structural Rehab	165	01-Oct-19	13-Mar-20	_		1															Construction
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D87080	Construction Trains 6 - CD Secondary Clarifiers Structural Rehab	165	29-Jan-20	11-Jul-20	_		1														÷	Con
CD83950	Construction Trains 7 - CD Secondary Clarifiers Structural Rehab	165	01-Oct-20	14-Mar-21	_		1		į.													
D87090	Construction Trains 8 - CD Secondary Clarifiers Structural Rehab	165	01-Oct-20	14-Mar-21			1															
D84430	Construction - CD Secondary Clarifiers Plant 2 Structural Rehab	1188	21-Nov-18 A	14-Mar-22			1											<u> </u>			<u> </u>	
D83960	Construction Trains 1 - CD Secondary Clarifiers Structural Rehab	165	01-Oct-21	14-Mar-22			1				1											
D87100	Construction Trains 10 - CD Secondary Clarifiers Structural Rehab	165	01-Oct-21	14-Mar-22			1											1				
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D83970	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Structural Rehab	0		14-Mar-22*	_		1				3											
D85720	Project Closeout - CD Secondary Clarifiers Structural Rehab	90	15-Mar-22	12-Jun-22*												l						
oject Administratior	n	1447	12-Feb-18 A	12-Jun-22			1				-					:			<u> </u>			
D85170	WASD Project Administration - CD Secondary Clarifiers Structural Rehab	1447	12-Feb-18 A	12-Jun-22			1						-			-						
Return Sludg	e PS Plant 1	3385	10-May-17 A	15-Aug-26								L '	,									
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D11272	Pre-Design - CD Return Sludge PS Plant 1	181	10-May-17 A	30-Jul-18 A	i				k.						<u>.</u> P	te-Des	gn - CD I	Return	<u>) Slud</u>	lge þ	<u>S Plan</u>	<u>t.1</u>
gineering Design		1144	30-Jul-18 A	05-Oct-21			1				-											
D20840	Basis of Design Report (BODR) - CD Return Sludge PS Plant 1	60	31-Jul-18 A	23-Jan-19												:	Basi	s of D∈	esian !	Repor	rt (BÖ	DR) - CD Re
020850	30% Design Submittal - CD Return Sludge PS Plant 1	55	24-Jan-19	19-Mar-19							-						i - 1	- i -	i i	- i -	- i -	CD Return
D20860	30% Design Review - CD Return Sludge PS Plant 1	13	20-Mar-19	01-Apr-19			1		÷			i										
D20870	60% Design Submittal - CD Return Sludge PS Plant 1	60	02-Apr-19	31-May-19																		D Return S
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D20880	60% Design Review - CD Return Sludge PS Plant 1	10	01-Jun-19	10-Jun-19								i i						6	0% D€	esign	Review	w - CD Retu
020890	100% Design Submittal - CD Return Sludge PS Plant 1	56	11-Jun-19	05-Aug-19			1	1					1					ė	1 100	J% De	esign 🤄	Submittal - (
D11340	Engineering Design - CD Return Sludge PS Plant 1	398	30-Jul-18 A	04-Sep-19			1	1					1		100000000			<u> </u>	- i			
D40360	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 1	30	06-Aug-19	04-Sep-19			1	į	į												Design	
D82620	EPA Start Date for Engineering Design - CD Return Sludge PS Plant 1	0	01-Apr-21*	· ·			1												– 10	00%1	Jesign	n Review/Pe
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D80740	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 1	-			·····			į					į	İ					<u></u> .	<u>i.</u>	<u>i</u> .	<u></u>
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D11390	Permitting - CD Return Sludge PS Plant 1	180	05-Sep-19	02-Mar-20					l l										i 📩			
D82630	EPA Start Date for Permitting - CD Return Sludge PS Plant 1	0	06-Oct-21*				1														-	
D80750	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 1	0		05-Oct-22*																		
ocurement		1312	03-Mar-20	05-Oct-23			· · · · · · · · · · · · · · · · · · ·	{								·····	 					<u></u>
D84020	Internal Bid Package Review - CD Return Sludge PS Plant 1	30	03-Mar-20	01-Apr-20				i i					1			:		1				
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D31360		-	02-Apr-20		_ 3		1											1			•	 Design Do
D31370	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 1	60	02-Apr-20	31-May-20	_		1														Ē	Subm
D31380	Advertise Bid Package - CD Return Sludge PS Plant 1	0	01-Jun-20				1															Adver
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D31400	Bids Due - CD Return Sludge PS Plant 1	0	31-Jul-20				1											1				1
D31410	Bid Review Period - CD Return Sludge PS Plant 1	30	31-Jul-20	29-Aug-20	-																	♦ Ві
			31-501-20	-	-		1															
D31420	Award Recommendation - CD Return Sludge PS Plant 1	0		29-Aug-20	_		1	1					1									•
D11520	Procurement - CD Return Sludge PS Plant 1	270	02-Apr-20	27-Dec-20																	E	
D31430	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 1	120	30-Aug-20	27-Dec-20							-											
D82640	EPA Start Date for Procurement - CD Return Sludge PS Plant 1	0	06-Oct-22*																			
D80760	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 1	0		05-Oct-23*							-											
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D11583	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 1	0	28-Dec-20				1	i i	į				1			1		1				1
D11590	Construction PS #1 - CD Return Sludge PS Plant 1	348	28-Dec-20	10-Dec-21				1														1
D11630	Construction PS #2 - CD Return Sludge PS Plant 1	348	11-Dec-21	23-Nov-22				i i					1			:		1				1
D82650	EPA Start Date for Construction - CD Return Sludge PS Plant 1	0	06-Oct-23*				1	i	l l				i i					1				
D11588	Construction - CD Return Sludge PS Plant 1	1045	28-Dec-20	07-Nov-23				1										1				
D11660	Construction PS #3 - CD Return Sludge PS Plant 1	349	24-Nov-22	07-Nov-23	_		1	1								:						
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D86260	Commissioning - CD Return Sludge PS Plant 1	30	09-Oct-23	07-Nov-23			1										1					
D11700	Substantial Completion (CD Compliance Date 8/15/26) - CD Return Sludge PS Plant 1	0		07-Nov-23*													(E					
D40070	Project Closeout - CD Return Sludge PS Plant 1	90	08-Nov-23	05-Feb-24*				ļ.	÷			i i	į.				(E	÷			1	
D80800	EPA Compliance Date for Construction - CD Return Sludge PS Plant 1	0		15-Aug-26*			1				3						(E	1				
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D34020	WASD Project Administration - CD Return Sludge PS Plant 1		31-Jul-18 A	05-Feb-24			<u></u>										<u> </u>					<u></u>
Return Sludge	e PS Plant 2	3428	15-Jul-15 A	01-Dec-24																		
gineering Design		303	13-Jan-16 A	31-Mar-17 A						31-Ņ	/ar-17	A, En	gine er	ring De	sign			1	1			
D82660	EPA Start Date for Engineering Design - CD Return Sludge PS Plant 2	0	01-Jun-16 A				EDA C			Engil	ooria	Decid	n. 01	Dot:	m Cl.		Dhaler	, :				
D10620	Engineering Design - CD Return Sludge PS Plant 2	0	13-Jan-16 A	01-Feb-17 A		1	CPA St	an Da									S Plant 2 PS Plant					
		0		31-Mar-17 A			; ;			- 7		- I	- I			1		1			1	
D80810	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 2	-					<u></u>		<u></u>	EPA	Com	bliance	Date	for En	ginee	ring D	esian - Cl , Permitti	D Reti	.um_Sli	udgę.	PS Pli	ant.2
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D82670	EPA Start Date for Permitting - CD Return Sludge PS Plant 2	0	06-Dec-16 A					•	EPA St	tart D	ate fo	Permi	ittina -	CD R	eturn	Sludar	PS Plar	nt 2				
D80820	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 2	0		05-Dec-17 A				- T											กา ค่ะ	eturn	Sludar	e PS Plant
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D10780	Permitting - CD Return Sludge PS Plant 2																					
	Permitting - CD Return Sludge PS Plant 2	991	14-Apr-16 A	05-Dec-18 A		.									ennin		05-Dec-1					

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	ee Schedule - December 2018 Update	Original		ard Layout w Ba	Iseline (By Phase)	2010	2020	2024			9 13:15 - F	0
D	Activity Name	Original Duration	Start	Finish	2016 2017 2018 Q1 Q2 Q3 Q4 Q1 <t< th=""><th>2019 04 01 02 03 04</th><th>2020</th><th></th><th></th><th>022</th><th></th><th>023</th></t<>	2019 04 01 02 03 04	2020			022		023
CD10990	Procurement - CD Return Sludge PS Plant 2	844	14-Apr-16 A	29-Nov-18 A		Procurement - CD Ret			<u>, a. az</u>			
CD80830	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 2	0		05-Dec-18 A		—		- D Return Sludge PS Plant 2	,			
nstruction		3146	22-Apr-16 A	01-Dec-24		EPA compliance pale		D Kelum Siyage PS Hatil 2				
D82690	EPA Start Date for Construction - CD Return Sludge PS Plant 2	0	06-Dec-18 A			EPA Start Date for Cor	struction - CD Retur	n Sludge PS Plant 2				
011108	Construction - CD Return Sludge PS Plant 2	2578	22-Apr-16 A	10-Sep-23								
085490	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0		10-Sep-23*								Subst
080860	EPA Compliance Date for Construction - CD Return Sludge PS Plant 2	0		01-Dec-24*								◆ Subsi
ject Administration		2705	16-Mar-16 A	09-Nov-23	V							• • •
D34030	WASD Project Administration - CD Return Sludge PS Plant 2	2705	16-Mar-16 A	09-Nov-23								\/
(1) Return Sludge	PS Plant 2 - RAS Pump	3040	15-Jul-15 A	09-Nov-23					· · · ·			
-Design		244	15-Jul-15 A	15-Mar-16 A	15-Mar-16 A, Pre-Design							
011282	Pre-Design - CD Return Sludge PS Plant 2	245	15-Jul-15 A	15-Mar-16 A	Pre-Design - CD. Return Sludge PS Plant 2.							
jineering Design		322	16-Mar-16 A	01-Feb-17 A	▼ 01-Feb-17 A, Engineering Design							
20900	Draft Basis of Design Report (BODR) - CD Return Sludge PS Plant 2	94	16-Mar-16 A	17-Jun-16 A	Draft Basis of Design Report (BODR) - CD Return Sludg	e PS Plant 2				1		1 1
041060	BODR Review Period - CD Return Sludge PS Plant 2	7	18-Jun-16 A	24-Jun-16 A	BODR Review Period - CD Return Sludge PS Plant 2							
070970	Final Basis of Design Report (BODR) - CD Return Sludge PS Plant 2	13	25-Jun-16 A	07-Jul-16 A	Final Basis of Design Report (BODR) - CD Return Slud	lge PS Plant 2						
020910	30% Design Submittal - CD Return Sludge PS Plant 2	50	08-Jul-16 A	26-Aug-16 A	30% Design Submittal - CD Return Sludge PS Plan					1		
20920	30% Design Review - CD Return Sludge PS Plant 2	7	27-Aug-16 A	02-Sep-16 A	30% Design Review - CD Return Sludge PS Plant							
20930	60% Design Submittal - CD Return Sludge PS Plant 2	42	03-Sep-16 A	14-Oct-16 A								
020940	60% Design Review - CD Return Sludge PS Plant 2	5	15-Oct-16 A	19-Oct-16 A	60% Design Submittal - CD Return Sludge PS I							
20950	100% Design Submittal - CD Return Sludge PS Plant 2		20-Oct-16 A	22-Dec-16 A	60% Design Review - CD Return Sludge PS Pla							
084440	Engineering Design - CD Return Sludge PS Plant 2 - RAS Pump	323		01-Feb-17 A	100% Design Submittal - CD Return Sludg							
			16-Mar-16 A		Engineering Design - CD Return Sludge	1 1 1 i						
40370	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 2		23-Dec-16 A	01-Feb-17 A		mittal - CD Return Sludge P	S Plant 2			. .		Ļ
mitting		476	18-Jul-16 A	22-May-18 A	▼ 22-May	- 10 A, Feinillung						
080220	FDEP Permit (Remaining Scope) - CD Return Sludge PS Plant 2	191	18-Jul-16 A	24-Jan-17 A	FDEP Permit (Remaining Scope) - CD R	etum Sludge PS Plant 2						
80210	RER Permit (Remaining Scope) - CD Return Sludge PS Plant 2		02-Feb-17 A	10-May-17 A	RER Permit (Remaining Scope)-	CD Return Sludge PS Plant	2					
84450	Permitting - CD Return Sludge PS Plant 2 - RAS Pump	476	18-Jul-16 A	22-May-18 A		ng - CD Return Sludge PS F	1 I I					
40710	City of Miami Permit (Remaining Scope) - CD Return Sludge PS Plant 2	180	10-May-17 A	22-May-18 A		Viami Permit (Remaining So 29-Nov-18 A', Procurem		Idge PS Plant 2				
curement		692	03-Feb-17 A	29-Nov-18 A		29-Nov-18 A, Procurem	nent					
84150	GMOU submittal and approval - CD Return Sludge PS Plant 2	21	03-Feb-17 A	23-Feb-17 A	GMOU submittal and approval - CD Re	tum Sludge PS Plant 2						
84030	Internal Bid Package Review - CD Return Sludge PS Plant 2	3	13-Nov-17 A	26-Nov-17 A		e Review - CD Return Sludg	PS Plant 2					
031440	Design Documents Sent to Procurement - CD Return Sludge PS Plant 2	0	27-Nov-17 A			Sent to Procurement - CD R	i i i	int 2		1		1 1 1
031450	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 2	60	22-Jan-18 A	11-Apr-18 A		prove SBD Goals and Requi						
031460	Advertise Bid Package - CD Return Sludge PS Plant 2	0	12-Apr-18 A			i de la della de la composición de la c		Retuin Sludge FS Flant 2				
031470	Bid Solicitation Period - CD Return Sludge PS Plant 2	5	12-Apr-18 A	04-Jun-18 A		Bid Package - CD Return Slu						
031480	Bids Due - CD Return Sludge PS Plant 2	-	05-Jun-18 A			licitation Period - CD Return						
D31490	Bid Review Period - CD Return Sludge PS Plant 2		05-Jun-18 A	12-Oct-18 A	♦ Bids Þ	ue - CD Return Sludge PS P						
		60	05-Jun-18 A			Bid Review Period - CD Re	etum Sludge PS Pla	ht 2		1		
031500	Award Recommendation - CD Return Sludge PS Plant 2	0	07.11 /7.1	12-Oct-18 A		Award Recommendation ·	CD Return Sludge I	PS Plant 2				
084460	Procurement - CD Return Sludge PS Plant 2 - RAS Pump		27-Nov-17 A	29-Nov-18 A		Procurement - CD Retu	um Sludge PS Plant	2 - RAS Pump		1		
031510	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 2	45	13-Oct-18 A	29-Nov-18 A		Final Approvals.(BCC, 1	Mayor, Risk Momt.) -	CD Return Sludge PS Plant	.2			0
Istruction		1775	06-Dec-18 A	09-Nov-23								
011103	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 2	0	06-Dec-18 A			 Contractor Notice to Press 						
011110	Construction PS #1 - CD Return Sludge PS Plant 2		06-Dec-18 A	18-Nov-19			Construction PS #1	- CD Return Sludge PS Pla		1		1 1 1
011220	Construction PS #2 - CD Return Sludge PS Plant 2	349	19-Nov-19	01-Nov-20				Construction PS #2 - CE	Return Slude	ge PS Plan	nt 2	
011290	Construction PS #3 - CD Return Sludge PS Plant 2	348	02-Nov-20	15-Oct-21					Construction F	PS #3 - CD	Return Sludge	e PS Plant 2
011410	Construction PS #4 - CD Return Sludge PS Plant 2	348	16-Oct-21	28-Sep-22						c	Construction PS	S #4 - CD Ret
084470	Construction - CD Return Sludge PS Plant 2 - RAS Pump	1740	06-Dec-18 A	10-Sep-23							<u> </u>	Const
011500	Construction PS #5 - CD Return Sludge PS Plant 2	347	29-Sep-22	10-Sep-23						1 📕		
86270	Commissioning - CD Return Sludge PS Plant 2	30	12-Aug-23	10-Sep-23*								Comr
11580	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0		10-Sep-23*								 Subs
40080	Project Closeout - CD Return Sludge PS Plant 2	60	11-Sep-23	09-Nov-23*								
ect Administration	-	2705	16-Mar-16 A	09-Nov-23	······································	<mark></mark>						
85180	WASD Project Administration - CD Return Sludge PS Plant 2	2705	16-Mar-16 A	09-Nov-23								
	PS Plant 2 - RAS Line	541	13-Jan-16 A	07-Jul-17 A	07-Jul-17 A, 2.10 (2) Return	Sludge PS Plant 2 - RAS Lir	ne					V
ineering Design		91	13-Jan-16 A	13-Apr-16 A	13-Apr-16 A, Engineering Design					· † · · · · † · ·		÷
40660	RAS Header pipe Design Validation - CD Return Sludge PS Plant 2	15	13-Jan-16 A	27-Jan-16 A	PAS Header pipe Decign Validation OD Battime Olividae DO Di-	+2						
84480	Engineering Design - Return Sludge PS Plant 2 - RAS Line	92	13-Jan-16 A	13-Apr-16 A	RAS Header pipe Design Validation - CD Return Sludge PS Plant							
40670	RAS Header pipe 100% Design Submission - CD Return Sludge PS Plant 2		28-Jan-16 A	13-Apr-16 A	Engineering Design - Return Sludge PS Plant 2 - RAS Line							
nitting			22-Mar-16 A	22-Mar-16 A	■ RAS Header pipe 100% Design Submission - CD Return Su ▼ 22-Mar-16 A, Permitting	Joge PS Plant 2				· · · · · · · ·		+
81330	FDEP Permit (RAS Header Pipe) - CD Retum Sludge PS Plant 2	0	22-Wal-10 A	22-Mar-16 A								
curement		0	14-Apr-16 A	20-Apr-16 A	 FDEP Permit (RAS Header Pipe) - CD Return Sludge PS Plar 20-Apr-16 A, Procurement 	ot 2.				· · · · · · · · · · · · · · · · · · ·		÷
40690	Emergency Procurement of RAS Header Pipe - CD Return Sludge PS Plant 2	7	14-Apr-16 A	20-Apr-16 A								
	Energency Froundment of the Frouder Fipe - op notain oldage FO Flatt 2	441	22-Apr-16 A	07-Jul-17 A	Emergency Procurement of RAS Header Pipe - CD Return 07-Jul-17 A, Construction	Sludge PS Plant 2				· [· · · · ·] · ·		÷
struction 40700	Construction RAS Header Pipe - CD Return Sludge PS Plant 2		22-Apr-16 A 22-Apr-16 A	07-Jul-17 A 07-Jul-17 A								
	Construction to the audi Fipe - OD Netuli Oluuye Fo Fidili 2		-		Construction RAS Header Pic	pe - OD Return Sludge PS Pl	aht.2			·{····		÷
ect Administration	WASD Project Administration - CD Potum Skidge DS Plant 2	441	22-Apr-16 A	07-Jul-17 A 07-Jul-17 A								
85190	WASD Project Administration - CD Return Sludge PS Plant 2	442	22-Apr-16 A			- CD Return Sludge P.S. Plai	ot 2	24 6	21, 2.11 Efflue	ont Dumo	Station	+
Effluent Pump Sta	tation		19-Feb-16 A	21-Jun-21				21-JUN-	., 2.11 ETTIU	en Pump	oranon	<u>.</u>
Design			19-Feb-16 A	28-Sep-16 A	▼ 28-Sep-16 A, Pre-Design							
011292	Pre-Design - CD Effluent Pump Station	223	19-Feb-16 A	28-Sep-16 A	. Pre-Design - CD Effluent Pump Station							
ineering Design			24-Aug-16 A	18-Aug-17 A	18-Aug-17 A, Engineering	Design						
082270	Draft Technical Memo Submittal - CD Effluent Pump Station	20	24-Aug-16 A	12-Sep-16 A	Draft Technical Memo Submittal - CD Effluent Pur	mp Station				1		
082280	Final Technical Memo Submittal - CD Effluent Pump Station	21	13-Sep-16 A	03-Oct-16 A	 Final Technical Memo Submittal - CD Effluent P 							
020560	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 Efflue							
D20570	BODR Review Period - CD Effluent Pump Station	9	18-Oct-16 A	26-Oct-16 A	BODR Review Period - CD Effluent Pump Stati							
20010												

	ree Schedule - December 2018 Update	Original		. ,	Baseline (By Phase)	2017 2010	2010 2020 2001			13:15 - P	0
)	Activity Name	Original Duration	Start	Finish	2016	2017 2018 1 02 03 04 01 02 03 04 01 0	2019 2020 2021 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q4 Q1 <t< th=""><th>202</th><th></th><th></th><th>023</th></t<>	202			023
CD80870	EPA Start Date for Engineering Design - CD Effluent Pump Station	0	01-Jan-17 A					4 01 02	4		Q3 Q4
CD20580	30% Design Submittal - CD Effluent Pump Station		10-Nov-16 A	17-Jan-17 A		PA Start Date for Engineering Design - CD Effluent Pu	Imp Station				
CD20590	30% Design Review - CD Effluent Pump Station		18-Jan-17 A	10-Feb-17 A		30% Design Submittal - CD Effluent Pump Station					
CD20600	60% Design Submittal - CD Effluent Pump Station		11-Feb-17 A	13-Mar-17 A		30% Design Review - CD Effluent Pump Station					
CD20610	60% Design Review - CD Effluent Pump Station		14-Mar-17 A	29-Mar-17 A		60% Design Submittal - CD Effluent Pump Station					
CD20620	100% Design Submittal - CD Effluent Pump Station		30-Mar-17 A	06-Jun-17 A		60% Design Review - CD Effluent Pump Station					
CD10080	Engineering Design - CD Effluent Pump Station		24-Aug-16 A	16-Jun-17 A		100% Design Submittal - CD Effluent Pump					
CD40380	100% Design Review/Permit Ready Submittal - CD Effluent Pump Station		07-Jun-17 A	16-Jun-17 A		Engineering Design - CD Effluent Pump	Station				
CD82700		0	07-Juli-17 A			100% Design Review/Permit Ready Submitt					
	EPA Compliance Date for Engineering Design - CD Effluent Pump Station		00 km 47 A	18-Aug-17 A			Design - CD Effluent Pump Station			+	
Permitting	DEDM Demit OD Effluent Dump Otation		22-Jun-17 A	20-Jun-18 A 10-Jul-17 A					1		
CD84810	DERM Pemit - CD Effluent Pump Station	-	22-Jun-17 A	10-Jul-17 A		DERM Permit - CD	Effluent Pump Station				
CD82710	EPA Start Date for Permitting - CD Effluent Pump Station		19-Aug-17 A	07 5-1 40 4		EPA Start Date for Permitting - CD Effluence					
CD10180	Permitting - CD Effluent Pump Station		22-Jun-17 A	27-Feb-18 A		Permitting - CD Effl					
CD84820	City of Miami Permit - CD Effluent Pump Station		17-Jul-17 A	27-Feb-18 A		City of Miami Perm	it - CD Effluent Pump Station		1		
CD80880	EPA Compliance Date for Permitting - CD Effluent Pump Station	0		20-Jun-18 A	····	EPA Comp <mark>liance D</mark>	ate for Permitting - CD:Effluent Pump Station				
Procurement			19-Jul-17 A	20-Jun-19							
CD84180	GMOU submittal and approval - CD Effluent Pump Station		19-Jul-17 A	10-Aug-17 A		GMOU submittal and approval - CD Effluence	ient Pump Station				
CD84040	Internal Bid Package Review - CD Effluent Pump Station		06-Mar-18 A	06-Mar-18 A		I Internal Bid Package Revie	ew - CD Effluent Pump Station				
CD31520	Design Documents Sent to Procurement - CD Effluent Pump Station		07-Mar-18 A			 Design Documents Sent to 	p Procurement - CD Effluent Pump Station				
CD85850	Issue RTA to Director for Signature - CD Effluent Pump Station		18-Apr-18 A			 Issue RTA to Director for 	r Signature - CD Effluent Pump Station				
CD31530	Submit/Approve SBD Goals and Request to Advertise - CD Effluent Pump Station		07-Mar-18 A	29-May-18 A		Submit/Approve SBE	O Goals and Request to Advertise - CD Effluent Pump Station				
CD31540	Advertise Bid Package - CD Effluent Pump Station		30-May-18 A			♦ Advertise Bid Packad	ge - CD Effluent Pump Station				
CD82720	EPA Start Date for Procurement - CD Effluent Pump Station	0	21-Jun-18 A				Procurement - CD Effluent Pump Station				
CD31550	Bid Solicitation Period - CD Effluent Pump Station	64 3	30-May-18 A	16-Jul-18 A			eriod - CD Effluent Pump Station				
CD31560	Bids Due - CD Effluent Pump Station	0	17-Jul-18 A			◆ Bids Due - CD Ef					
CD31570	Bid Review Period - CD Effluent Pump Station	30	17-Jul-18 A	20-Aug-18 A			iod - CD Effluent Pump Station				
CD31580	Award Recommendation - CD Effluent Pump Station	0		20-Aug-18 A			nendation - CD Effluent Pump Station				
CD10420	Procurement - CD Effluent Pump Station	231	07-Mar-18 A	23-Jan-19			Procurement - CD Effluent Pump Station				
CD31590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Effluent Pump Station	113	21-Aug-18 A	23-Jan-19			Approvals (BCC, Mayor, Risk Mgmt.) - CD Effluent Pump Statio	an			
CD80890	EPA Compliance Date for Procurement - CD Effluent Pump Station	0		20-Jun-19*			 EPA Compliance Date for Procurement - CD Effluent Pump State 				
Construction		830	15-Mar-19	21-Jun-21		······		21, Construction			
CD10658	Contractor Notice to Proceed (NTP) - CD Effluent Pump Station	0	15-Mar-19				Contractor Nation to Dracond (NTD), CD Fffluent Dump Station				
CD82730	EPA Start Date for Construction - CD Effluent Pump Station	0	21-Jun-19*				Contractor Notice to Proceed (NTP) - CD Effluent Pump Station				
CD10660	Construction - CD Effluent Pump Station	440	15-Mar-19	27-May-20			EPA Start Date for Construction - CD Effluent Pump Static Construction - CD Effluent Pump Static	ction - CD Efflue	nt Pump S	station	
CD86280	Commissioning - CD Effluent Pump Station	30	28-Apr-20	27-May-20				1 1 1	intrainp c		
CD10870	Substantial Completion (CD Compliance Date 6/21/21) - CD Effluent Pump Station	0		27-May-20*			Commissioning - CD Effluent Pum				
CD40090	Project Closeout - CD Effluent Pump Station	-	28-May-20	26-Jul-20*			 Substantial Completion (CD Comp 		1/21) <u>-</u> CD I	Effluent Pum	p Station
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/ ID	Activity Name	Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2022 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
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	Guininapploved Reverwind SDD, Receipt of SDD Worksheet, Request to Adventise, apploval non WASD and OWB
CD86460	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	40	09-Nov-18 A	11-Jan-19	Step 1 - Submittal Due Daté - CD Gravity Sludge Thickeneis Plant 1
CD86480	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1	40	31-Dec-18	08-Feb-19	Select and Approve; Competitive; Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1;
CD86470	Step 1 - Meeting - CD Gravity Sludge Thickeners Plant 1	30	12-Jan-19	10-Feb-19	Step 1 - Meeting - CD Gravity Sludge Thickeners Plant 1
CD86490	Submit revised OPCC to SBD/WASD for approval - CD Gravity Sludge Thickeners Plant 1	30	23-Feb-19	24-Mar-19	Submit revised OPCC to SBD/WASD for approval - CD Gravity Sludge Thickeners Plant 1
CD86990	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 1	15	25-Mar-19	08-Apr-19	I Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 1
CD86500	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	54	09-Apr-19	01-Jun-19	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 1
CD86510	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1	54	02-Jun-19	25-Jul-19	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1
CD86520	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1	30	26-Jul-19	24-Aug-19	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1
CD86530	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 1	30	25-Aug-19	23-Sep-19	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thicken
CD80930	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0		05-Oct-19*	 EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 1
CD86540	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Dire ctor)	40	24-Sep-19	02-Nov-19	Negotiation Memo Received from the County Mayor's designee (WASD Director)
CD86550	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1	54	03-Nov-19	26-Dec-19	Registration Recent a framework of the second and the county may a decigine (where a second of the second of th
CD86560	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 1	54	27-Dec-19	18-Feb-20	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge The
CD86570	Contract Executed by Firm and obtain County Attorney, Risk Maragement and OMB signatures	30	19-Feb-20	19-Mar-20	Contract Executed by Firm and obtain County Attomety, Risk Management and OMB signatur
CD86580	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 1	40	20-Mar-20	28-Apr-20	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge
CD86590	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 1	90	29-Apr-20	27-Jul-20	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity St
CD10730	Procurement - CD Gravity Sludge Thickeners Plant 1	679	29-Mar-16 A	16-Aug-20	Procurément - CD Gravity Sludge Thickeners Plant 1
CD85950	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 1	739	09-Aug-18 A	16-Aug-20	Repackage and Rebid Project -/CD Gravity Sludge Thickeners Plant 1
CD86600	Issue NTP - CD Gravity Sludge Thickeners Plant 1	20	28-Jul-20	16-Aug-20	
Design-Build		1252	06-Oct-19	10-Mar-23	□. Issue NTP - CD Gravity Sludge Thickehers Plant 1. 10-Mar-23, Design-
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		
CD32690	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1	300	17-Aug-20	12-Jun-21	1
CD32700	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1	180	13-Feb-21	11-Aug-21	- Final Engineering by Design-Builder: - CD Gravity Sludge Thick
CD84760	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 1	876	17-Aug-20	09-Jan-23	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1
CD10950	Construction - CD Gravity Sludge Thickeners Plant 1	696	13-Feb-21	09-Jan-23	Construction - CD Gravi
CD86290	Commissioning - CD Gravity Sludge Thickeners Plant 1	30	11-Dec-22	09-Jan-23	
CD11160	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 1	0		09-Jan-23*	Commissioning - CD Gr
CD80940	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 1	0		13-Jan-23*	◆ Substantial Completion
CD40100	Project Closeout - CD Gravity Sludge Thickeners Plant 1	60	10-Jan-23	10-Mar-23*	♦ EPA Compliance Daté f
	Project Closeout - CD Gravity Sludge Trickeners Frank T	2039	16-Jun-15 A	10-Mar-23	Project Closeout - C
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Engineering Design CD21020	Complete Technical Memorandum - CD Gravity Sludge Thickeners Plant 2	235	11-Jun-14 A	31-Jan-15 A	
CD82780	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	0	01-Oct-15 A		Memorandum - CD Gravity Sludge Thickeners Plant 2
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CD21740	BODR Design Review - CD Gravity Sludge Thickeners Plant 2	36	23-Dec-15 A	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
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CD30160	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2		28-Jan-16 A	26-Apr-16 A	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2
CD30190	DCP Design Review - CD Gravity Sludge Thickeners Plant 2	23	27-Apr-16 A	19-May-16 A	DCP Desian Review - CD Gravity Sludge Thickeners Plant 2
CD80950	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	0		22-Jul-16 A	♦ EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2
CD33370	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 2	298	04-Jan-16 A	27-Oct-16 A	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 2
CD30200	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2		20-May-16 A	23-Nov-16 A	Final DCP. Submittal - CD Gravity. Sludge Thickeners Plant 2.
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CD30230	FDEP Permit - CD Gravity Sludge Thickeners Plant 2		29-Jan-16 A	02-Jun-16 A	FDEP Permit - CD Gravity Sludge Thickeners Plant 2
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CD33390		113	29-Mar-16 A	19-Jul-16 A	♦ RDBS Sent to Procurement + CD Gravity Sludge Thickeners Plant 2
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CD33400	Advertise RDBS - CD Gravity Sludge Thickeners Plant 2	0	20-Jul-16 A	16 San 40 4	Advertise RDBS - CD Gravity Sludge Thickeners Plant 2
CD33410	Request for Qualifications - CD Gravity Sludge Thickeners Plant 2	59	20-Jul-16 A	16-Sep-16 A	Request for Qualifications - CD Gravity Sludge Thickerers Plant 2
CD33420	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 2		17-Sep-16 A	10 D 10 1	♦ Qualifications Package Due - CD Gravity Sludge Thickeners Plant 2
CD33430	Qualification Review Period - CD Gravity Sludge Thickeners Plant 2		17-Sep-16 A	16-Dec-16 A	Qualification Review Period - CD Gravity Sludge Thickeners Plant 2
CD33440	Shortlist Published - CD Gravity Sludge Thickeners Plant 2	0	00 4- 1- 1	16-Dec-16 A	◆ Shortlist Publisheid - CD Gravity Sludge Thickeners Plant 2
CD82800	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 2	0	06-Apr-17 A		♦ EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 2
CD33450	Request for Proposals - CD Gravity Sludge Thickeners Plant 2		24-Jan-17 A	04-May-17 A	Request for Proposals - CD Gravity Sludge Thickeners Plant 2
CD33460	Proposals Due - CD Gravity Sludge Thickeners Plant 2		05-May-17 A		♦ Proposals Due - CD Gravity Sludge Thickeners Plant 2
CD33470	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 2		05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 2
CD33480	Award Recommendation - CD Gravity Sludge Thickeners Plant 2		25-Aug-17 A		Award Recommendation - CD Gravity Sludge Thickeners Plant 2
CD33490	Contract Negotiations - CD Gravity Sludge Thickeners Plant 2	53	25-Aug-17 A	17-Nov-17 A	Contract Negotiations - CD Gravity Sludge Thickeners Plant 2
CD80970	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 2**	0		05-Apr-18 A	♦ EPA Compliance Date for Procurement - CD Gravity Sludge Thicke ners Plant 2**
CD33500	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 2	79	18-Nov-17 A	01-May-18 A	Final Approvals (BCC, Mayor, Risk Marth.) - CD Gravity Sludge Thickeners Plant 2
CD86120	Bid Cancellation - CD Gravity Sludge Thickeners Plant 2	0		30-May-18 A	 ◆ Bid Cáncellation - CD Gravity Sludge Thickeners Plant 2
CD86180	TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 2	60	11-May-18 A	23-Jul-18 A	
0000100	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 2
CD86610		=-	-	-	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments
CD86610	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	
CD86610 CD86620	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 2	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
CD86610	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 2 Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 2		19-Sep-18 A 09-Nov-18 A	08-Nov-18 A 08-Nov-18 A 11-Jan-19	Submit approved Review Item to SBD, Receipt of \$BD Worksheet, Request to Advertise; approval from WASD and OMB Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 2 Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 2

	ree Schedule - December 2018 Update	- i - · · ·			seline (By Phase) 15-Jan-19 13:15 - Page No. 24 c
D	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 <td< th=""></td<>
CD86650	Step 1 - Meeting - CD Gravity Sludge Thickeners Plant 2	30	12-Jan-19	10-Feb-19	
CD86670	Submit revised OPCC to SBDWASD for approval - CD Gravity Sludge Thickeners Plant 2	30	23-Feb-19	24-Mar-19	Step 1 - Meeting - CD Gravity Sludge Thickeners Plant 2 Submit revised OPCC to SBD/WASD for approval - CD Gravity Sludge Thickeners Plant 2
CD87000	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 2	15	25-Mar-19	08-Apr-19	 Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 2
CD86680	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 2	54	09-Apr-19	01-Jun-19	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 2
CD86690	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 2	54	02-Jun-19	25-Jul-19	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 2
CD86700	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 2	30	26-Jul-19	24-Aug-19	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	30	25-Aug-19	23-Sep-19	Step 2 Meeting - CD Gravity Sludge Thickenes Finit 2
CD86720	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)	40	24-Sep-19	02-Nov-19	Negotiation Memo Received from the County Mayor/County Mayor's designee "OD Granty Studies" (WASD Director)
CD86730	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2	54	03-Nov-19	26-Dec-19	Negotiation mento received non merce - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners P
CD86740	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 2	54	27-Dec-19	18-Feb-20	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thi
CD86750	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	30	19-Feb-20	19-Mar-20	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatur
CD86760	Submit Contract Aw ard Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 2	40	20-Mar-20	28-Apr-20	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludd
CD86770	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 2	90	29-Apr-20	27-Jul-20	Submit term to Agenda Coordinator for committee & BCC Ratification - CD Gravity Si
CD10860	Procurement - CD Gravity Sludge Thickeners Plant 2	679	29-Mar-16 A	16-Aug-20	Procurement: - CD Gravity/Sludge Thickeners Plant 2
CD85960	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 2	739	09-Aug-18 A	16-Aug-20	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 2
CD86780	Issue NTP - CD Gravity Sludge Thickeners Plant 2	20	28-Jul-20	16-Aug-20	Issue NTP - CD Gravity Sludge Thickeners Plant 2
sign-Build		1776	06-Apr-18 A	10-Mar-23	10-Mar-23, Design-
D82810	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 2**	0	06-Apr-18 A		EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 2**
CD33510	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 2	0	17-Aug-20		◆ Li A Giait Bate di constitución - OB Cravity Cludge / Incidenti nam 2
D30240	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2	300	17-Aug-20	12-Jun-21	✓ Design Builder NTP - CD Gravity Sludge Thickeners Prant 2 Final Engineering by Design-Builder, - CD Gravity Sludge Thickeners
D30250	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
084770	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 2	876	17-Aug-20	09-Jan-23	Design-Builder Contract
D11040	Construction - CD Gravity Sludge Thickeners Plant 2	696	13-Feb-21	09-Jan-23	Construction - CD Grav
D86300	Commissioning - CD Gravity Sludge Thickeners Plant 2	30	11-Dec-22	09-Jan-23	
011200	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 2	0		09-Jan-23*	
080980	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 2	0		13-Jan-23*	♦ Substantial Completion
040110	Project Closeout - CD Gravity Sludge Thickeners Plant 2	60	10-Jan-23	10-Mar-23*	♦ EPA Compliance Date
ject Administration			01-May-15 A	10-Mar-23	in i
034060	WASD Project Administration - CD Gravity Sludge Thickeners Plant 2		01-May-15 A	10-Mar-23	
Digesters Plant		3234	14-Mar-17 A	19-Jan-26	WASD Project Ad
-			21-May-18 A	18-Jun-24	
I.1 Cluster 1					28-Apr-19, Prê-Design
-Design 084520	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1		21-May-18 A 21-May-18 A	28-Apr-19	
D04320 D11312	Pre-Design - CD Digesters Plant 1 Cluster 1	119	31-Dec-18*	28-Apr-19	
	rie-Design - CD Digesters Flant T Gluster T			· ·	Pite-Design - CD Digesters Plant 1 Quster 1. 04-Nov 20, Engineering Design
gineering Design D21320	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1	556 60	29-Apr-19 29-Apr-19	04-Nov-20 27-Jun-19	
021330	30% Design Submittal - CD Digesters Plant 1 Cluster 1			25-Sep-19	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1
	30% Design Submittar - CD Digesters Plant 1 Cluster 1	90	28-Jun-19	· ·	30% Design Submittal - CD Digesters Plant 1 Cluster 1
021340		14	26-Sep-19	09-Oct-19	I 30% Design Review - CD Digesters Plant 1 Cluster 1
021350	60% Design Submittal - CD Digesters Plant 1 Cluster 1	110	10-Oct-19	27-Jan-20	60% Design Submittal - CD Digesters Plant 1 Cluster 1
D21360	60% Design Review - CD Digesters Plant 1 Cluster 1	14	28-Jan-20	10-Feb-20	□ 60% Design Review - CD Digesters Plant 1 Cluster 1
021370	100% Design Submittal - CD Digesters Plant 1 Cluster 1	80	11-Feb-20	30-Apr-20	100% Design Submittal - CD Digesters Plant 1 Cluster 1
082820	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0	01-May-20*		◆ EPA Start Date for Engineering Design - CD Digesters Plant 1 Gluster 1
011260	Engineering Design - CD Digesters Plant 1 Cluster 1	398	29-Apr-19	30-May-20	Engineering Design - CD Digesters Plant 1 Cluster 1
040390	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 1	30	01-May-20	30-May-20	🔲 100% Design Review/Permit Ready Submittal - OD Digesters Plant 🕯 Cluster 1
080990	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0		04-Nov-20*	
mitting		523	31-May-20	04-Nov-21	V4-Nov21, Permitting
082830	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1	0	05-Nov-20*		◆ EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1
11310	Permitting - CD Digesters Plant 1 Cluster 1	180	31-May-20	26-Nov-20	Permitting - CD Digesters Plant 1 Cluster 1
081000	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 1	0		04-Nov-21*	EPA Compliance Date for Permitting - CD Didesters O4-Nov-22, Procurement
curement		708	27-Nov-20	04-Nov-22	V4-Nov-22, Procurement
84050	Internal Bid Package Review - CD Digesters Plant 1 Cluster 1	3	27-Nov-20	29-Nov-20	I Internal Bid Package Review - CD Digesters Plant 1 Cluster 1
31680	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1	0	30-Nov-20		Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1
31690	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 1	60	30-Nov-20	28-Jan-21	Submit/Approve SBD Goals and Request to Advertise - CD Digesters
31700	Advertise Bid Package - CD Digesters Plant 1 Cluster 1	0	29-Jan-21		◆ Advertise Bid Package - CD Digesters Plant 1; Cluster 1
31710	Bid Solicitation Period - CD Digesters Plant 1 Cluster 1	60	29-Jan-21	29-Mar-21	Bid Solicitation Period - CD Digesters Plant 1 Cluster 1
31720	Bids Due - CD Digesters Plant 1 Cluster 1	0	30-Mar-21		♦ Bids Due - CD Digesters Plant 1 Cluster 1
31730	Bid Review Period - CD Digesters Plant 1 Cluster 1	30	30-Mar-21	28-Apr-21	Bid Review Period - CD Digesters Plant 1 Cluster 1
031740	Award Recommendation - CD Digesters Plant 1 Cluster 1	0		28-Apr-21	◆ Award Recommendation -CD Digesters Plant 1 Cluster 1
011430	Procurement - CD Digesters Plant 1 Cluster 1	270	30-Nov-20	26-Aug-21	Procurement - CD Digeste
31750	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 1	120	29-Apr-21	26-Aug-21	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digester
82840	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 1	0	05-Nov-21*		♦ EPA Start Date for Procurèment: - CD Digesters Pla
81010	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 1	0		04-Nov-22*	◆ EPA Statt Date for Hocurement, - OD Excess Plants
struction		1027	27-Aug-21	18-Jun-24	v ErA Olimpiarios Date for
011538	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 1	0	27-Aug-21		◆ Contractor Notice to Proceed (NTP) - CD Digester's Plant
82850	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 1	0	05-Nov-22*		✓ Contractor Notice to Prodeed (NTP) - CD bigestelle Prant
011540	Construction - CD Digesters Plant 1 Cluster 1	592	27-Aug-21	10-Apr-23	
011620	Substantial Completion (CD Compliance Date 6/18/24) - CD Digesters Plant 1 Cluster 1	0		10-Apr-23*	
240120	Project Closeout - CD Digesters Plant 1 Cluster 1	90	11-Apr-23	09-Jul-23*	Substantial Con
-	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 1	0		18-Jun-24*	Project Cl
081020		1533	29-Apr-19	09-Jul-23	
		1000	23-Mpi-19	09-001-23	
ject Administration	WASD Project Administration - CD Digesters Plant 1 Cluster 1			09-10-23	
D81020 ject Administration D34070	WASD Project Administration - CD Digesters Plant 1 Cluster 1	1533	29-Apr-19	09-Jul-23	
ject Administration	WASD Project Administration - CD Digesters Plant 1 Cluster 1	1533 3234		09-Jul-23 19-Jan-26 29-May-19	

/ ID	ree Schedule - December 2018 Update Activity Name	Original	Start	Finish	Baseline (By Phase) 2016 2017 2018 2019 2020
-		Duration	Ciuit		Q1 Q2 Q3 Q4 Q1 Q2<
CD11322	Pre-Design - CD Digesters Plant 1 Cluster 2	150	31-Dec-18*	29-May-19	
Engineering Design	······································	1104	30-May-19	06-Jun-22	Pre-Désign - CD.Digestets.Plant 1. Ci
CD21380	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 2	60	30-May-19	28-Jul-19	
CD21390	30% Design Submittal - CD Digesters Plant 1 Cluster 2	90	29-Jul-19	26-Oct-19	Basis of: Design Report (BODR) -
CD21400	30% Design Review - CD Digesters Plant 1 Cluster 2	14	27-Oct-19	09-Nov-19	30% Design Submittal - Cl
CD21410	60% Design Submittal - CD Digesters Plant 1 Cluster 2	110	10-Nov-19	27-Feb-20	30% Désign Review, - CD
CD21420	60% Design Review - CD Digesters Plant 1 Cluster 2	110	28-Feb-20	12-Mar-20	60% Design Subm
CD21430		80	13-Mar-20	31-May-20	60% Design Revi
	100% Design Submittal - CD Digesters Plant 1 Cluster 2			-	
CD11440	Engineering Design - CD Digesters Plant 1 Cluster 2	398	30-May-19	30-Jun-20	
CD40400	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 2	30	01-Jun-20	30-Jun-20	100% Des
CD82860	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0			
CD81030	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0		06-Jun-22*	
Permitting		1071	01-Jul-20	06-Jun-23	
CD11470	Permitting - CD Digesters Plant 1 Cluster 2	180		27-Dec-20	
CD82870	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 2	0	07-Jun-22*		
CD81040	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 2	0		06-Jun-23*	
Procurement		1256	28-Dec-20	05-Jun-24	
CD84060	Internal Bid Package Review - CD Digesters Plant 1 Cluster 2	3	28-Dec-20	30-Dec-20	
CD31760	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 2	0	31-Dec-20		
CD31770	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 2	60	31-Dec-20	28-Feb-21	
CD31780	Advertise Bid Package - CD Digesters Plant 1 Cluster 2	0	01-Mar-21		
CD31790	Bid Solicitation Period - CD Digesters Plant 1 Cluster 2	60	01-Mar-21	29-Apr-21	
CD31800	Bids Due - CD Digesters Plant 1 Cluster 2	0	30-Apr-21		
CD31810	Bid Review Period - CD Digesters Plant 1 Cluster 2	30	•	29-May-21	
			•	-	
CD31820	Award Recommendation - CD Digesters Plant 1 Cluster 2	0		29-May-21	
CD11550	Procurement - CD Digesters Plant 1 Cluster 2	270	31-Dec-20	26-Sep-21	
CD31830	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 2	120	•	26-Sep-21	
CD82880	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 2	0	07-Jun-23*		
CD81050	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 2	0		05-Jun-24*	
Construction		3234	14-Mar-17 A	19-Jan-26	
CD84800	Construction - CD Digesters Plant 1 Covers Demolition	365	14-Mar-17 A	13-Jan-19	
CD11608	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 2	0	27-Sep-21		
CD11610	Construction - CD Digesters Plant 1 Cluster 2	593	27-Sep-21	12-May-23	
CD11680	Substantial Completion (CD Compliance Date 1/19/26) - CD Digesters Plant 1 Cluster 2	0		12-May-23*	
CD40130	Project Closeout - CD Digesters Plant 1 Cluster 2	90	13-May-23	10-Aug-23*	
CD82890	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 2	0	•		
CD81060	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 2	0		19-Jan-26*	
Project Administration		1534	30-May-19	10-Aug-23	
CD34080	WASD Project Administration - CD Digesters Plant 1 Cluster 2	1534	30-May-19	10-Aug-23	
		3295	11-Jun-14 A	18-Jun-23	
2.15 Digesters Plan	12				
2.15.1 Cluster 1		3295		18-Jun-23	Oct-15 A, Engineering Design
Engineering Design		505		29-Oct-15 A	-OCI-15 A, Engineering besign
CD82900	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 1	0			n - CD Digesters Plant 2 Cluster 1
CD21750	30% Design and Final BODR Submittal - CD Digesters Plant 2 Cluster 1	314		20-Apr-15 A	d Final BODR Submittal - CD Digesters Plant 2 Cluster 1
CD21760	30% Design Review - CD Digesters Plant 2 Cluster 1	4	20-Apr-15 A	23-Apr-15 A	view - CD Digesters Plant 2 Cluster 1
CD20130	NTP for Remaining Design - CD Digesters Plant 2 Cluster 1	0	27-Apr-15 A		ning Design - CD Digesters Plant 2 Cluster 1
CD20170	60% Design Submittal - CD Digesters Plant 2 Cluster 1	114	23-Apr-15 A	14-Aug-15 A	sign Şubmittal - QD Digesters Plant 2 Cluster 1
CD20180	60% Design Review - CD Digesters Plant 2 Cluster 1	13	14-Aug-15 A	26-Aug-15 A	esign Review - CD Digesters Plant 2 Cluster 1
CD20190	100% Design Submittal - CD Digesters Plant 2 Cluster 1	34	27-Aug-15 A	29-Sep-15 A	
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	
Permitting		329		29-00-15 A 24-Aug-16 A	A Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 1
CD82910	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 1**	0	30-Sep-15 A 30-Sep-15 A	2-TAUY-TO A	
			· ·	16-Mar-16 A	Start Date for Permitting - CD Digesters Plant 2 Cluster 1**
CD80100	FDEP Permit - CD Digesters Plant 2 Cluster 1	169	· ·		FDEP Permit - CD Digesters Plant 2 Cluster 1
CD81080	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 1**	0		27-Mar-16 A	
CD10110	Permitting - CD Digesters Plant 2 Cluster 1	330	· ·	24-Aug-16 A	Permitting - CD Digesters Plant:2 Cluster 1
CD80110	City of Miami Building Permit - CD Digesters Plant 2 Cluster 1	234		24-Aug-16 A	City of Miami Building Permit - CD Digesters Plant 2.Cluster 1
Procurement		870		31-Dec-16 A	31-Dec-16 A, Procurement
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 Cluster 1
CD30610	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 1	0	27-Apr-16 A		 Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 1
CD30620	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 1	72	27-Apr-16 A	07-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 1
CD30630	Advertise Bid Package - CD Digesters Plant 2 Cluster 1	0	08-Jul-16 A		[1] A.
CD30640	Bid Solicitation Period - CD Digesters Plant 2 Cluster 1	46		22-Aug-16 A	Advertise Bid Package - CD Digesters Plant 2 Cluster 1
CD30650	Bids Due - CD Digesters Plant 2 Cluster 1	0			Bid Solicitation Period - CD Digesters/Plant 2 Cluster 1
CD30660	Bid Review Period - CD Digesters Plant 2 Cluster 1	58	-	19-Oct-16 A	♦ Bids Due - CD Digesters Plant 2 Cluster 1
000000			20-Aug-10 A		Bid Review Petiod - CD Digesters Plant 2 Cluster 1
0020670	Award Recommendation - CD Digesters Plant 2 Cluster 1	0		19-Oct-16 A	Award Recommendation - CD Digesters Plant 2 Cluster 1
CD30670	Procurement - CD Digesters Plant 2 Cluster 1	181	27-Apr-16 A	24-Oct-16 A	Procurement - CD Digesters Plant 2 Cluster 1
CD10120	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 1	5	20-Oct-16 A	24-Oct-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 1
CD10120 CD30680				31-Dec-16 A	
CD10120	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 1	0		01 200 1077	EPA Compliance Date for Procurement - CD Didesters Plant 2 Cluster 1
CD10120 CD30680		0 3010	23-Mar-15 A	18-Jun-23	EPA Compliance Date for ProcurementCD Dipesters Plant 2 Cluster 1
CD10120 CD30680 CD81090		-			
CD10120 CD30680 CD81090 Construction	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 1	3010	23-Mar-15 A	18-Jun-23	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 1 struction of Digester Cover (1) - CD Digesters Plant 2 Cluster 1 • EPA Start Date for Construction - CD Digesters Plant 2 Cluster 1

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		•	Con	tractor	Notio	e to Pr	oceed	(NTP) - CD	Digest	ers Pla	ant 1 C	Cluster
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	cree Schedule - December 2018 Update				Baseline (By Phase) 15-Jan-19 13:15 - Page No. 2
ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
CD10380	Construction - CD Digesters Plant 2 Cluster 1	1128	23-Mar-15 A	29-Aug-19	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
CD40810	Construction (Remaining Scope) - CD Digesters Plant 2 Cluster 1	540	31-Oct-16 A	29-Aug-19	Construction (Remaining Scope) - CD Digesters Plant 2 Cluster 1
CD86310	Commissioning - CD Digesters Plant 2 Cluster 1	14	16-Aug-19	29-Aug-19	Constitución (remaining Scope) - Op Digesters Plant 2 Cluster 1
CD10770	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 1	0		29-Aug-19*	 Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 1
CD40140	Project Closeout - CD Digesters Plant 2 Cluster 1	60	30-Aug-19	28-Oct-19*	Project Closeout - CD Digesters Plant 2 Cluster 1
CD81100	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 1	0		18-Jun-23*	EPA Com
Project Administration		1483	11-Jun-14 A	28-Oct-19	✓ 28-Oct-t9, Project Administration
CD34090	WASD Project Administration - CD Digesters Plant 2 Cluster 1	1483	11-Jun-14 A	28-Oct-19	WASD Project Administration - CD Digesters Plant 2 Cluster 1
2.15.2 Cluster 2		3104	19-Dec-14 A	18-Jun-23	▼ 18-Jun-23
Pre-Design		495	19-Dec-14 A	27-Apr-16 A	▼ 27-Apr-16 A, Pre-De\$ign
CD12181	Pre-Design - CD Digesters Plant 2 Cluster 2	137	19-Dec-14 A	04-May-15 A	D Digesters Plant 2 Cluster 2
CD41120	Negotiate Scope & Fee for Balance of Design - CD Digesters Plant 2 Cluster 2	167	13-Nov-15 A	27-Apr-16 A	Negotiate Scope & Fee for Balance of Design - CD Digesters Plant 2 Cluster 2
Engineering Design		1337	04-May-15 A	07-Dec-18 A	07-Dec-18 Å, Engineering Design
CD20200	Basis of Design Report (BODR) - CD Digesters Plant 2 Cluster 2	100		12-Aug-15 A	Design Report (BODR) CD Digesters Plant 2 Cluster 2
CD20210	BODR Review Period - CD Digesters Plant 2 Cluster 2	14	0	26-Aug-15 A	Review Period - CD Digesters Plant 2 Cluster 2
CD20260	100% Design Submittal - CD Digesters Plant 2 Cluster 2	52	•	18-Jun-16 A	100% Design Submittal - CD Digesters Plant 2 Cluster 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		♦ EPA Start Date 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	
Permitting		1201	24-Aug-16 A	07-Dec-19	EPA Compliance Date för Engineering Design - CD Digesters Plant 2 Cluster 2
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 2
CD10540	Permitting - CD Digesters Plant 2 Cluster 2	339	24-Aug-16 A	28-Jul-17 A	Permitting -CD Digesters Plant 2 Cluster 2
CD82310	City of Miami Permit - CD Digesters Plant 2 Cluster 2	318	14-Sep-16 A	28-Jul-17 A	City of Miami Permit- CD Digesters Plant 2 Cluster 2
CD82950	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 2	0	08-Dec-18 A		City of Mianin Permit CD bigesters Plant 2 Cluster 2
CD81120	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 2	0		07-Dec-19*	
Procurement		1413	24-Jan-17 A	06-Dec-20	◆ EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 2
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 Digesters Plant 2 Cluster 2
CD84070	Internal Bid Package Review - CD Digesters Plant 2 Cluster 2	11	14-Jul-17 A	24-Jul-17 A	
CD31840	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 2	0	25-Jul-17 A		Internal Bid Package Review - CD Digesters Plant 2; Cluster 2
CD31850	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 2	175		04-Jan-18 A	◆ Design Documents Sent to Procurement - CD Digesters Plant 2/Cluster 2
CD31860	Advertise Bid Package - CD Digesters Plant 2 Cluster 2	0			Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 2
CD31870	Bid Solicitation Period - CD Digesters Plant 2 Cluster 2	60		22-Feb-18 A	Advertise Bid Package - CD Digesters Plant 2 Cluster 2
CD31880	Bid Solicitation Period - CD Digesters Plant 2 Cluster 2		23-Feb-18 A	22-1 60-10 A	Bid Solicitation Period - CD Digesters Plant 2 Cluster 2
				40.14	➡ Bids Due - CD Digesters Plant 2 Cluster 2
CD31890	Bid Review Period - CD Digesters Plant 2 Cluster 2	41	23-Feb-18 A	18-May-18 A	Bid Review Period - CD Digesters Plant 2 Olyster 2
CD31900	Award Recommendation - CD Digesters Plant 2 Cluster 2	0		18-May-18 A	Award Reconfimendation - CD Digesters Plant 2 Cluster 2
CD10760	Procurement - CD Digesters Plant 2 Cluster 2	385		09-Jul-18 A	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	Final Approvals (BCC, Mayor, Risk/Mgmt/,) - CD Digesters Plant 2 Cluster 2
CD82960	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2	0	08-Dec-19*		◆ 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*	◆ EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2
Construction		1805	10-Jul-18 A	18-Jun-23	
CD10978	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2	0			Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2
CD10980	Construction - CD Digesters Plant 2 Cluster 2	450		06-Dec-19	Construction Construction Construction
CD86320	Commissioning - CD Digesters Plant 2 Cluster 2	14	23-Nov-19	06-Dec-19	Commissioning - CD Digesters Plant 2 Cluster 2
CD11170	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 2	0		06-Dec-19*	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster/2
CD40150	Project Closeout - CD Digesters Plant 2 Cluster 2	60	07-Dec-19	04-Feb-20*	Project Closeout - CD Digesters Plant 2 Cluster 2
CD82970	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2	0	07-Dec-20*		♦ EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2
CD81140	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 2	0		18-Jun-23*	◆ FPA Com
Project Administration		1837	05-May-15 A	04-Feb-20	▼ 04-Feb-20, Project Administration
CD34100	WASD Project Administration - CD Digesters Plant 2 Cluster 2	1837	05-May-15 A	04-Feb-20	WASD Project Administration - CD Digesters Plant 2 Quster 2
.15.3 Cluster 3		2623	13-Apr-16 A	18-Jun-23	18-Jun-23
Pre-Design		483	13-Apr-16 A	09-Aug-17 A	v 09-Augi17 A, Pre-Design
CD12191	Pre-Design - CD Digesters Plant 2 Cluster 3	484	13-Apr-16 A	09-Aug-17 A	Pre-Design - CD Digesters Plant 2 Cluster 3
Ingineering Design		509	09-Aug-17 A	07-Dec-18 A	Pre-Design - CD Digesters Plant 2 Cluster 3 07-Dec-18 A, Engineering Design
CD84250	Field Investigations - CD Digesters Plant 2 Cluster 3	31	09-Aug-17 A	08-Sep-17 A	Field Investigations - CD Digesters Plant 2 Cluster 3
CD82980	EPA Start Date for Design - CD Digesters Plant 2 Cluster 3	0	10-Jan-18 A		EPA Start Date for Design - CD Digester's Plant 2 Cluster 3
CD84260	100% Design Submittal - CD Digesters Plant 2 Cluster 3	47	11-Sep-17 A	25-Jan-18 A	↓ EPA Statt Date for Design - CD Digesters Plant 2 Cluster 3 100% Design Submittal - CD Digesters Plant 2 Cluster 3
CD10300	Engineering Design - CD Digesters Plant 2 Cluster 3	203	09-Aug-17 A	14-Mar-18 A	Engineering Design - CD Digesters Plant 2; Cluster 3
CD40460	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	22	26-Jan-18 A	14-Mar-18 A	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3
CD81150	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3	0		07-Dec-18 A	
ermitting		574	14-Mar-18 A	07-Dec-19	► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ►
CD85800	DERM Permit - CD Digesters Plant 2 Cluster 3	180	14-Mar-18 A	13-Apr-18 A	
CD82990	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3	0		· ·	DERM Permit - CD Digesters Plant 2 Cluster 3
CD10400	Permitting - CD Digesters Plant 2 Cluster 3	0		26-Apr-19	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3 Permitting - CD Digesters Plant 2 Cluster 3
CD85810	City of Miami Building Permit - CD Digesters Plant 2 Cluster 3	90		26-Apr-19	_
CD81670	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3	0		07-Dec-19*	City of Miami Building Permit - CD Digesters Plant 2 Cluster 3
		689	08-Dec-18 A	07-Dec-19 06-Dec-20	€ EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3 06-Dec-20, Procutement
Procurement CD84080	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	31	08-Dec-18 A 08-Dec-18 A	17-Jan-19	
		31		17-Jan-19	Litemal Bid Package Review - CD Digesters Plant 2 Cluster 3
CD31920	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3			10 Ma- 10	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3
CD31930	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3	60		18-Mar-19	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3
CD31940	Advertise Bid Package - CD Digesters Plant 2 Cluster 3	0			Advertise Bid Package - CD Digesters Plant 2 Cluster 3
CD31950	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3	60		17-May-19	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3
CD31960	Bids Due - CD Digesters Plant 2 Cluster 3	0	,		♦ Bids Due - CD Digesters Plant 2 Cluster 3
CD31970	Bid Review Period - CD Digesters Plant 2 Cluster 3	30	18-May-19	16-Jun-19	Bid Review Period - CD Digesters Plant 2 Cluster 3
	Award Recommendation - CD Digesters Plant 2 Cluster 3	0		16-Jun-19	Award Recommendation - CD Digesters Plant 2 Cluster 3

	ee Schedule - December 2018 Update				Baseline (By Phase)	2020
ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	2020 Q1 Q2 Q3 Q4 Q1
CD10640	Procurement - CD Digesters Plant 2 Cluster 3	268	18-Jan-19	12-Oct-19		Procur
CD31990	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3	118	17-Jun-19	12-Oct-19		
D83000	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3	0	08-Dec-19*			Approvals (BCC, Mayor, Risk
D81170	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 3	0		06-Dec-20*		EPA Start Date for Procuremen
nstruction		1290	07-Dec-19	18-Jun-23		
D10878	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3	0	07-Dec-19			Contractor Notice to Proceed (N
D83010	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3	0	07-Dec-20*			EPA S
D10880	Construction - CD Digesters Plant 2 Cluster 3	450	07-Dec-19	28-Feb-21	╡ : : : : : : : : : :	EPA 3
D86330	Commissioning - CD Digesters Plant 2 Cluster 3	30	30-Jan-21	28-Feb-21		
D11140	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 3	0		28-Feb-21*]	■ • s
CD40160	Project Closeout - CD Digesters Plant 2 Cluster 3	90	01-Mar-21	29-May-21*	1	▼ ~
CD81180	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 3	0		18-Jun-23*		
roject Administration		1245	09-Aug-17 A	29-May-21		
CD34110	WASD Project Administration - CD Digesters Plant 2 Cluster 3	1245	09-Aug-17 A	29-May-21		
15.4 Cluster 4		0	28-Jul-16 A	28-Jul-16 A	▼ 28-Jul-16 A, 2,15.4 Cluster 4	
re-Design		0	28-Jul-16 A	28-Jul-16 A	▼ 28-Jul-16 A, Pre-Design	
CD87020	Child Project Deleted as approved by EPA	0		28-Jul-16 A	Child Project Deleted as approved by EPA	
6 Dewatering Bui	lding	2959	02-Feb-15 A	10-Mar-23		
re-Design		86	02-Feb-15 A	29-Apr-15 A	e-Delsign	
CD12211	Pre-Design - CD Dewatering Building	87	02-Feb-15 A	29-Apr-15 A	Dewatering Building 01-Aug 17 A, Engineering Design	
ngineering Design		824	30-Apr-15 A	01-Aug-17 A	01-Aug-17 A, Engineering Design	
CD21180	Basis of Design Report (BODR) - CD Dewatering Building	237	30-Apr-15 A	22-Dec-15 A	Basis of Design Report (BODR) - CD Dewatering Building	
CD21190	BODR Review Period - CD Dewatering Building	36	23-Dec-15 A	27-Jan-16 A	BODR Review Period - CD Dewatering Building	
CD10170	Engineering Design - CD Dewatering Building	335	30-Apr-15 A	29-Mar-16 A	Engineering Design - CD Dewatering Building	
CD41110	Issue Final RDBS - CD Dewatering Building	0		29-Mar-16 A	♦ Issue Final RDB\$ - CD Dewatering Building	
CD32720	Design Criteria Package Initial Submittal - CD Dewatering Building	90	28-Jan-16 A	26-Apr-16 A	Design Criteria Package Initial Submittal - CD Dewatering Building	
CD32740	DCP Design Review - CD Dewatering Building	23	27-Apr-16 A	19-May-16 A	DCP Design Review - CD Dewatering Building	
CD83060	EPA Start Date for Engineering Design - CD Dewatering Building	0	01-Jun-16 A		● EPA Start Date for Engineering Design - CD Dewatering Building	
CD33660	Pilot Testing of Thickening Process - CD Dewatering Building	298	04-Jan-16 A	27-Oct-16 A	Pilot Testing of Thickening Process - CD Dewatering Building	
CD32760	Final DCP Submittal - CD Dewatering Building	188	20-May-16 A	23-Nov-16 A	Final DCP Submittal - CD Dewatering Building	
CD81390	EPA Compliance Date for Engineering Design - CD Dewatering Building	0		01-Aug-17 A	. EPA Compliance Date for Engineering Design - CD Dewate	ering Building
Permitting		125	29-Jan-16 A	02-Jun-16 A	02-Juh-16 A, Permitting	
CD32780	FDEP Permit - CD Dewatering Building	126	29-Jan-16 A	02-Jun-16 A	FDEP.Permit - CD.Dewatering.Building	▼ 16-Aug-20, Pr
Procurement	DDDC Cast to Desument CD Devictories Duffer a	1624	29-Mar-16 A	16-Aug-20		ть-Aug-20, Pr
CD33520	RDBS Sent to Procurement - CD Dewatering Building	0	29-Mar-16 A	40 k-140 *	RDBS Sent to Procurement + CD Dewatering Building	
CD33530	Submit/Approve SBD Goals and Request to Advertise - CD Dewatering Building	113	29-Mar-16 A	19-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Dewatering Building	
CD33540	Advertise RDBS - CD Dewatering Building	0	20-Jul-16 A	10.0	Advertise RDB\$ - CD Dewatering Building	
CD33550	Request for Qualifications - CD Dewatering Building	59	20-Jul-16 A	16-Sep-16 A	Request for Qualifications - CD Dewatering Building	
CD33560	Qualifications Package Due - CD Dewatering Building	0	17-Sep-16 A	40.5	 Qualifications Package Due - CD Dewatering Building 	
CD33570	Qualification Review Period - CD Dewatering Building	91	17-Sep-16 A	16-Dec-16 A	Qualification Review Period - CD Dewatering Building	
CD33580	Shortist Published - CD Dewatering Building	0	04.1 (=)	16-Dec-16 A	Shortlist Published - CD Dewatering Building	
CD33590	Request for Proposals - CD Dewatering Building	101	24-Jan-17 A	04-May-17 A	Request for Proposals - CD Dewatering Building	
CD33600	Proposals Due - CD Dewatering Building	0	05-May-17 A	04.1		
CD33610	Proposal Review Period & Oral Presentations - CD Dewatering Building	112	05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentations - CD Dewat	tering 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 Mornt	.) - CD Dewatering Building
CD86130	Bid Cancellation - CD Dewatering Building	0		30-May-18 A	➡ Bid Cancellation - CD Dewatering Buik	lina
CD86190	TA Re-Negotiation and Approval - CD Dewatering Building	60	11-May-18 A	23-Jul-18 A	TA Re-Ne otiation and Approval - C	D Dewatering Building
CD83080	EPA Start Date for Procurement - CD Dewatering Building	0	02-Aug-18 A		♦ EPA Start Date for Procurement.	CD Dewatering Building
CD86790	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	28-Aug-18 A	Receipt of Revised Scope of Ser	vices, Submit DRAFT Review i
CD86800	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 Ite	em to SBD, Receipt of SBD Wo
CD86810	Project Advertisement (after signed RTA) - CD Dewatering Building	0		08-Nov-18 A	◆ Project Advertisement (after	r signed RTA) - CD Dewatering
CD86820	Step 1 - Submittal Due Date - CD Dewatering Building	40	09-Nov-18 A	11-Jan-19	Step 1 - Şubmittal Due	Date - CD Dewatering Building
CD86840	Select and Approve Competitive Selection Committee (CSC) - CD Dewatering Building	40	31-Dec-18	08-Feb-19	Select and Approve. C	Competitive Selection Committe
CD86830	Step 1 - Meeting - CD Dewatering Building	30	12-Jan-19	10-Feb-19	Step 1 - Meeting - C	D Dewatering Building
CD86850	Submit revised OPCC to SBD/WASD for approval - CD Dewatering Building	30	23-Feb-19	24-Mar-19	Submit revised OF	CC to SBD/WASD for approve
CD87010	Issue DCP and Request for Proposals - CD Dewatering Building	15	25-Mar-19	08-Apr-19	I Issue DCP and R	equest for Proposals - CD Dew
CD86860	Step 2 Submittal Due Date - CD Dewatering Building	54	09-Apr-19	01-Jun-19	Step 2 Submi	ittal Due Date - CD Dewatering
CD86870	Step 2 Proposal Review and Evaluation - CD Dewatering Building	54	02-Jun-19	25-Jul-19	Step 2 Pro	oposal Review and Evaluation
CD81410	EPA Compliance Date for Procurement - CD Dewatering Building - CD Dewatering Building	0		01-Aug-19*	● EPA Com	pliance Date for Procurement
CD86880	Step 2 Meeting - CD Dewatering Building	30	26-Jul-19	24-Aug-19	Step 2 M	Meeting - CD Dewatering Build
CD86890	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Dewatering Building	30	25-Aug-19	23-Sep-19		iation Memo submitted to the
CD86900	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Dire ctor)	40	24-Sep-19	02-Nov-19		gotiation Memo Received from
CD86910	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Dewatering Building	54	03-Nov-19	26-Dec-19		Negotiations Commence - Co
CD86920	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Dewatering Building	54	27-Dec-19	18-Feb-20		Negotiations Concluded (2)
CD86930	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	30	19-Feb-20	19-Mar-20		Contract Executed by Fir
CD86940	Submit Contract Aw ard Recommendation/Contract for internal approvals -CD Dewatering Building	40	20-Mar-20	28-Apr-20		Submit Contract Awa
CD86950	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Dewatering Building	90	29-Apr-20	27-Jul-20		Submit Item to
CD10440	Procurement - CD Dewatering Building	679	29-Mar-16 A	16-Aug-20		Procurement -
CD85970	Repackage and Rebid Project - CD Dewatering Building	739	09-Aug-18 A	16-Aug-20		Repackage an
CD86960	Issue NTP - CD Dewatering Building	20	28-Jul-20	16-Aug-20		Issue NTP - CI
Design-Build		1317	02-Aug-19	10-Mar-23		
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		Duration	Start	TINST		2017 Q2 Q3 Q4	<u> </u>	Q3 Q4	Q1	Q2 Q3 Q	4 Q1			Q4
CD33650	Design-Builder NTP - CD Dewatering Building	0	17-Aug-20	1				40 44			- <u> </u>			-
CD32790	Final Engineering by Design-Builder - CD Dewatering Building	300	17-Aug-20	12-Jun-21									Des	sign
CD32800	AHJ Permit Review - CD Dewatering Building	180	13-Feb-21	11-Aug-21								i 1		
CD84780	Design-Builder Contract Duration - CD Dewatering Building	876	17-Aug-20	09-Jan-23										_
CD10670	Construction - CD Dewatering Building	696	13-Feb-21	09-Jan-23						· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>		_
CD86340	Commissioning - CD Dewatering Building	30	11-Dec-22	09-Jan-23										
CD11080	Substantial Completion (CD Compliance Date 1/13/23) - CD Dewatering Building	0		09-Jan-23*										
CD81420	EPA Compliance Date for Construction - CD Dewatering Building	0		13-Jan-23*										
CD40180	Project Closeout - CD Dewatering Building	60	10-Jan-23	10-Mar-23*										
Project Administration		2086	30-Apr-15 A	10-Mar-23			<u></u>	<u></u>		<u> </u>		÷		
CD34130	WASD Project Administration - CD Dewatering Building	2086	30-Apr-15 A	10-Mar-23			<u> </u>					<u>i l</u>	<u> </u>	
17 Chlorination Faci	ilities	1856	01-Oct-13 A	30-Jan-19						0-Jan-19, 2.17	Chlorinati	on Fac	ilities	
Engineering Design		836	01-Oct-13 A	15-Jan-16 A	▼ 15 Jan-16 A, Engineering Des	ign						; : -		
CD83100	EPA Start Date for Engineering Design - CD Chlorination Facilities**	0	01-Oct-13 A		on Facilities**							: 1		1
CD81430	EPA Compliance Date for Engineering Design - CD Chlorination Facilities**	0		07-Sep-14 A	neering Design - CD Chlorination	Eo bilitico **						1		
CD20410	Evaluation of Design Alternatives - CD Chbrination Facilities	344	01-Oct-13 A	09-Sep-14 A		raulines						1		
CD20420	Basis of Design Report (BODR) - CD Chlorination Facilities	91	18-Feb-15 A	19-May-15 A	es - CD Chlorination Facilities In Report (BODR) - CD Chlorinati	on Eccilitido						i i		
CD20430	BODR Review Period - CD Chlorination Facilities	16	28-May-15 A	12-Jun-15 A								1		
CD20435	Negotiate Scope and Cost with MWH - CD Chlorination Facilities	88	23-Mar-15 A	18-Jun-15 A	w Period - CD Chlorination Facili							1		
CD20440	60% Design Submittal - CD Chlorination Facilities	78	18-Jun-15 A	03-Sep-15 A	cope and Cost with MWH - CD (plities					i		
CD20450	60% Design Review - CD Chlorination Facilities	7	04-Sep-15 A	10-Sep-15 A	_esign Submittal - CD Chlorination									
CD20480	100% Design Submittal - CD Chlorination Facilities	43	11-Sep-15 A	23-Oct-15 A	Design Review - CD Chlorination	- i - i								
CD10060	Engineering Design - CD Chlorination Facilities	43	01-Oct-13 A	16-Nov-15 A	_)% Design Submittal - CD Chlorin									
					ngineering Design - CD Chlorinat	1 1			1					
CD40480	100% Design Review/Permit Ready Submittal - CD Chlorination Facilities	17	31-Oct-15 A	16-Nov-15 A	_00% Design Review/Permit Read				1			1		
CD32610	Develop Equipment Pre-Purchase RTU Packages - CD Chlorination Facilities	212	18-Jun-15 A	15-Jan-16 A	L. Develop Equipment Pre-Putch 30-Jul-16 A, Perr	ase RTU Pack	nges - CD Chi	orination Fa	icilities.			·		
ermitting	EDA Stat Data for Domitting CD Chloringting Equilities	691	08-Sep-14 A	30-Jul-16 A					1			1		
CD83110	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 Fac	ilities					1		
CD80050	City of Miami Building Permit - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A	City of Miami Bulldi	ing Permit - CD	Chlorination F	acilities				1		
D81440	EPA Compliance Date for Permitting - CD Chlorination Facilities	0		30-Jul-16 A	♦ EPA Compliance	Date for Perm	itting - CD Ch	orination Fa	cilities			<u> </u>		
ocurement		582	16-Nov-15 A	20-Jun-17 A		20-Jun-17	A, Procurem	ent				1		
CD32160	Design Documents Sent to Procurement - CD Chlorination Facilities	0	16-Nov-15 A		esign Documents Sent to Procu	rement - CD Ch	lorination Fac	ilities				: 1		
D32170	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				Faciliti	es				
D32180	Advertise Bid Package - CD Chlorination Facilities	0	28-Dec-15 A		Advertise Bid Package - CD Ch							i		
D32190	Bid Solicitation Period - CD Chlorination Facilities	42	28-Dec-15 A	07-Feb-16 A	Bid Solicitation Period - CD C				;	i i i		: 1	1	
D32200	Bids Due - CD Chlorination Facilities	0	08-Feb-16 A			1 1	aiities							
D83120	EPA Start Date for Procurement - CD Chlorination Facilities	0	08-Feb-16 A		Bids Due - CD Chlorination F	i i								
D32210	Bid Review Period - CD Chlorination Facilities	14	08-Feb-16 A	21-Feb-16 A	■ ● EPA Start Date for Procurem			es				: 1		
CD32220	Award Recommendation - CD Chlorination Facilities	0		22-Feb-16 A	Bid Review Period - CD Chl									
D10260	Procurement - CD Chlorination Facilities	135	16-Nov-15 A	29-Mar-16 A	Award Recommendation -							i İ		
CD32230	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities	37	22-Feb-16 A	29-Mar-16 A		CD Chlorinatio	1 1 1							
			22-Feb-10 A		Final Approvals (BCC, Ma	ayor, Risk Mgmi	.) - CD Chlorir	nation Facili	ies 🛛			i		
CD81450	EPA Compliance Date for Procurement - CD Chlorination Facilities	0		06-Sep-16 A	♦ EPA Complian	nce Date for Pro	curement - C	D Chlørinati	on Fao	xilit ies		: 1		
D33070	Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities	250	16-Jan-16 A	21-Sep-16 A	Pre-Purchase	e Bid Package (RTU) - CD Ch	lorination Fa	acilities			: 1		
CD33100	VendorNTP (RTU) - CD Chbrination Facilities	0		21-Sep-16 A	◆ VendorNTP	(RTU) - CD Chk	rination Facili	ties				1		
CD32600	Owner Pre-Purchase RTU - CD Chlorination Facilities	522	16-Jan-16 A	20-Jun-17 A			-Purchase R	TU - CD Ch	orinatic	on Facilities				
CD33110	Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities	273	21-Sep-16 A	20-Jun-17 A		Fabricate	& Deliver Pre-	Purchase R	tUs-(CD Chlorination 0-Jan-19, Consti	Facilities	İ.		
onstruction		926	18-Apr-16 A	30-Jan-19		1 1	: : :		- 30)-Jan-19, Const	ruction	: 1		
CD10498	Contractor Notice to Proceed (NTP) - CD Chlorination Facilities	0	18-Apr-16 A		Contractor Notice to Pro	pœed (NTP) - C	D Chlorination	n Facilities						
D83130	EPA Start Date for Construction - CD Chlorination Facilities	0	07-Sep-16 A		♦ EPA Start Dat	e for Constructi	on - CD Chlor	ination Faci	lities			(
D10500	Construction - CD Chlorination Facilities	580	18-Apr-16 A	27-Jul-18 A		1 1	, , ,		ว <mark>ก</mark> struc ⁱ	tion - CD Chlorin	ation Fac	cilities		
D86350	Commissioning - CD Chlorination Facilities	30	26-Jun-18 A	27-Jul-18 A				Commis	sionin	g - CD Chlorinati	ion Facilit	ies		
D10700	Substantial Completion (CD Compliance Date 10/15/18) - CD Chlorination Facilities	0		27-Jul-18 A						impletion (CD C		i i	10/15/1	18)
D81460	EPA Compliance Date for Construction - CD Chlorination Facilities	0		15-Oct-18 A				1	1 1	npliance Date fo	- E - E	1 1	1	
D40190	Project Closeout - CD Chlorination Facilities	15	11-Aug-18 A	30-Jan-19*	1			, -		i i i	- i - i	i i		
ject Administration		1600	01-Oct-13 A	30-Jan-19					-30	roiect Closeout - 0-Jan-19, Projec	t Adminis	tration	r araillie	15
D34140	WASD Project Administration - CD Chlorination Facilities	1600	01-Oct-13 A	30-Jan-19					1 1	ASD Project Ad	ministrati	ion - O	D Chlorin	กอา
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D10280	Engineering Design - CD Odor Control Systems	541	06-Oct-14 A	29-Mar-16 A			ng Design - Cl		trol Sv	stems		1 I		
D83140	EPA Start Date for Engineering Design - CD Odor Control Systems	0	01-Oct-16 A				f (* 1	1		1 1 1				
D81470	EPA Compliance Date for Engineering Design - CD Odor Control Systems	0		17-Jun-17 A	♦ EPA Start Da	1	1 1 1			1 1 1				
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:D10410	Permitting (Summary) - CD Odor Control Systems	190	29-Jan-16 A 29-Jan-16 A	05-Aug-16 A				1	1 :	hary) - CD Odor		: :		
D83150	EPA Start Date for Permitting - CD Odor Control Systems	0	18-Jun-17 A	55 / Mg 10 /A				1	1 :			ysterns	2	
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ocurement	EPA Start Data for Programmat - CD Odor Control Sustama	1198	07-Mar-16 A	16-Aug-20					1 3			1		
D83160	EPA Start Date for Procurement - CD Odor Control Systems	0	18-Jun-18 A	47 1 100			•	EPA Start	Date fo	or Procurement	- CD Odo	r Contr	rol Syster	۶m
D81490	EPA Compliance Date for Procurement - CD Odor Control Systems - CD Odor Control Systems	0		17-Jun-19*						EPA Cor	mpliance	Date fr	or Procur	re
D10650	Procurement (Summary) - CD Odor Control Systems - CD Odor Control Systems	701	07-Mar-16 A	16-Aug-20		<u></u>	<u></u>					<u></u>	Proc	CU
nstruction		2328	30-Aug-16 A	13-Jan-23										-
CD83170	EPA Start Date for Construction - CD Odor Control Systems	0	18-Jun-19*						1	EPA Sta	<u>irt Dat</u> e fo)r Cons	struction	- (
CD10890	Construction (Summary) - CD Odor Control Systems	1508	30-Aug-16 A	09-Jan-23				i	_			<u> </u>		
CD11070	Substantial Completion (CD Compliance Date 1/13/23) - CD Odor Control Systems	0		09-Jan-23*					1 7			; F		
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Project Administration	WASS Desired Administration OD Oder Constral Outlong	2292		10-Mar-23	▼ 10-Mar-23, Project Ad
CD34150	WA SD Project Administration - CD Odor Control Systems Odor Controls System (Project 2.03/2.04)	2292 1315	06-Oct-14 A 06-Oct-14 A	10-Mar-23 25-Jul-19	WASD Project Admin
Engineering Design	dor conuois System (Project 2.03/2.04)	479		23-50-19 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
Permitting		189	29-Jan-16 A	05-Aug-16 A	Engineering Design (Headworks) - CD Odor Control Systems OS-Aug-16 A. Permitting
CD40410	Permitting (Headworks) - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A	Permitting (Headworks) - CD Odor Control Systems
Procurement CD32250	Procurement (Headworks) - CD Odor Control Systems	175 176		29-Aug-16 A 29-Aug-16 A	┫ : : : : : : : : : : : : : : : : : : :
Construction		560		25-Jul-19	Procutement (Headworks) - CD Odot Control Systems
CD40430	Construction (Headworks) - CD Odor Control Systems	560	30-Aug-16 A	25-Jul-19*	Construction (Headworks) - CD Odor Control Systems
Project Administration		621	06-Oct-14 A	25-Jul-19	ZG-Jul-19, Project Administration
CD85200	WASD Project Administration - CD Odor Control Systems	621	06-Oct-14 A	25-Jul-19	WASD. Project Administration - CD. Odor Control Systems
	Odor Control System (Project 2.16)	2871	,	10-Mar-23	▼ 10-Mar-23, 2.18 (2) D
Engineering Design CD21290	Engineering Design (Dewatering) - CD Odor Control Systems	333	01-May-15 A 01-May-15 A	29-Mar-16 A 29-Mar-16 A	
Procurement		679		16-Aug-20	Engineering Design (Dewateking) - /CD Odor Cohtrol Systems
CD32270	Procurement (Dewatering) - CD Odor Control Systems	679	29-Mar-16 A	16-Aug-20	Procurement: (Dewatering) - CD Odor Control Systems
Construction		936	17-Aug-20	10-Mar-23	10-Mar-23, Constructi
CD85980	Final Engineering by Design-Builder - CD Odor Control Systems	300	17-Aug-20	12-Jun-21	Final Engineering by Design-Builder - CD Odor Control Systems
CD85990 CD40440	AHJ Permit Review - CD Odor Control Systems	180	13-Feb-21	11-Aug-21 09-Jan-23	AHJ Permit Review - CD Odor Control Systems
CD40440 CD86000	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems Construction - CD Odor Control Systems	876 696	17-Aug-20 13-Feb-21	09-Jan-23 09-Jan-23	Design-Builder Contract D
CD88000 CD40200	Project Closeout - CD Odor Control Systems	696	10-Jan-23	10-Mar-23*	
Project Administration	· · · · · · · · · · · · · · · · · · ·	818		10-Mar-23	Project Closeout - CD 10-Mar-23, Project Ad
CD85210	WASD Project Administration - CD Odor Control Systems	818	01-May-15 A	10-Mar-23	WASD Project Admini
.19 Co-Gen Improv	vements	2738	22-Nov-12 A	21-May-20	▼ 21-May-20, 2.19 Co-Gen Improvements
Engineering Design		1453		14-Nov-16 A	14-Nov16A, Engineering Design
CD83180	EPA Start Date for Engineering Design - CD Co-Gen Improvements	0	01-May-14 A		_ CD Co-Gen Improvements
CD10140	Engineering Design - CD Co-Gen Improvements	1440	22-Nov-12 A	31-Oct-16 A	Engineering Design - CD Co-Gen Improvements
CD81510	EPA Compliance Date for Engineering Design - CD Co-Gen Improvements	1663	12-Mar-13 A	14-Nov-16 A 29-Sep-17 A	
Permitting CD83190	EPA Start Date for Permitting - CD Co-Gen Improvements	0		29-06p-17 A	
CD10470	Permitting - CD Co-Gen Improvements	1607	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		1480	12-Mar-14 A	29-Nov-18 A	EPA Compliance Date for Permitting - CD Co-Gen Improvements 29-Nov-18 A, Procurement
CD83200	EPA Start Date for Procurement - CD Co-Gen Improvements	0	17-Aug-16 A		◆ EPA Start Date for Procurement - CD Co-Gen Improvements
CD81530	EPA Compliance Date for Procurement - CD Co-Gen Improvements	0		30-Mar-18 A	EPA Compliance Date for Procurement - CD Co-Gen Improvements
CD10480	Procurement - CD Co-Gen Improvements	1426		29-Nov-18 A	Procutement - CD/Co-Gen Improvements
Construction CD83210	EPA Start Date for Construction - CD Co-Gen Improvements	2123		21-May-20	
CD10680	Construction - CD Co-Gen Improvements	1746	•	25-Sep-19	
CD11030	Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Improvements	0		25-Sep-19*	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*	◆ EPA Compliance Date for Construction - CD Co-Gen Improvements
2.19 (1) Co-Gen Gene	erator Replacement	1161		27-Jan-16 A	▼ 27-Jan-16 A, 219 (1) Co-Gen Generator Replacement
Engineering Design CD12001	Engineering Design CD Co Con Construct Performent	473 474		10-Mar-14 A 10-Mar-14 A	
Permitting	Engineering Design - CD Co-Gen Generator Replacement	365	12-Mar-13 A	11-Mar-14 A	r.Replacement
CD12011	Permitting - CD Co-Gen Generator Replacement	365	12-Mar-13 A	11-Mar-14 A	
Procurement		140	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	Construction CD Co. Conceptor Benkrowent	546	30-Jul-14 A	27-Jan-16 A	
CD12031 CD12041	Construction - CD Co-Gen Generator Replacement 2.19 (1) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Generator Replacement	547	30-Jul-14 A	27-Jan-16 A 27-Jan-16 A	Construction - CD Co-Gen Generator Replacement
Project Administration		1161	22-Nov-12 A	27-Jan-16 A	
CD34160	WASD Project Administration - CD Co-Gen Generator Replacement	1162		27-Jan-16 A	P. WASD Project Administration - CD.Co-Gen Generator Replacement
2.19 (2)a Co-Gen Biog	gas Treatment Facilities	1769	19-Dec-14 A	22-Oct-19	✓ 22-Oct-19, 2.19 (2)a Co-Gen Biogas Treatment Facilities
Pre-Design		357	19-Dec-14 A	11-Dec-15 A	11-Déc15 A, Pre-Design
CD12231	Pre-Design - CD Co-Gen Biogas Treatment Facilities	167	19-Dec-14 A	03-Jun-15 A	CD Co-Gen Biogas Treatment Facilities
CD30320	Negotiate Final Design - CD Co-Gen Biogas Treatment Facilities	78	•	11-Dec-15 A	Negotiate Final Design : CD Co-Gen Biogas Treatment Facilities.
Engineering Design CD21650	Alternatives Analysis Report - CD Co-Gen Biogas Treatment Facilities	456 119		02-Sep-16 A 30-Sep-15 A	
CD33680	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities	70		24-Feb-16 A	hatives Analysis Report - CD Co-Gen Biogas Treatment Facilities
CD21660	BODR Review Period - CD Co-Gen Biogas Treatment Facilities	7		02-Mar-16 A	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities BODR Review Period - CD Co-Gen Biogas Treatment 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 Biogas Treatment Facilities
CD21710	100% Design Submittal - CD Co-Gen Biogas Treatment Facilities	102	•	16-Aug-16 A	100% Design Submittal - CD Co-Gen Biogas Treatment Facilités
CD12101	Engineering Design - CD Co-Gen Biogas Treatment Facilities	457	04-Jun-15 A	02-Sep-16 A	Engineering Design - CD Co-Gen Biogas Treatment Facilities
CD40490	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Fadilties	17	0	02-Sep-16 A	
Permitting CD80250	FDEP Permit - CD Co-Gen Biogas Treatment Facilities	408 44		22-Jun-17 A 22-Jun-16 A	
CD80250 CD71060	DERM Permit - CD Co-Gen Biogas Treatment Facilities	10		15-Sep-16 A	EDEP Permit - CD Co-Ģen Bioqas Treatment Facilities
CD83520	ERP Permit - CD Co-Gen Biogas Treatment Facilities	68	•	14-Nov-16 A	DERM 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	ERP Permit - CD Co-Gen Biogas Treatment Facilities
CD12111	Permitting - CD Co-Gen Biogas Treatment Facilities	409		22-Jun-17 A	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities
	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities		26-Sep-16 A	22-Jun-17 A	

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rocurement		293	16-Sep-16 A	06-Jul-17 A	V 06-Jul-17'A, Procurement
CD30690	Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities	0	16-Sep-16 A		Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities
CD30700	Submit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities	62	16-Sep-16 A	16-Nov-16 A	📛 Šubmit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities
030710	Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities	0	17-Nov-16 A		◆ Advertise Bid Package - CD Co Gen Biogas Treatment Facilities
D30720	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities	91	17-Nov-16 A	15-Feb-17 A	Bid Solicitation Period - CD Co-Gen Blogas Treatment Facilities
D30730	Bids Due - CD Co-Gen Biogas Treatment Facilities	0	16-Feb-17 A		♦ Bids Due - CÞ Co-Gen Blogas Treatment Facilites
030740	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 Facilities
D30750	Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		06-Mar-17 A	◆ Award Recommendation - CD Co-Gen Bio <mark>p</mark> as Treatment Facilities
D84830	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		29-Jun-17 A	♦ Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities
D12121	Procurement - CD Co-Gen Biogas Treatment Facilities	294	16-Sep-16 A	06-Jul-17 A	Proburement - CD Co-Gen Biogas Treatment Facilities
030760	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 22-Oct-19, Construction
nstruction	Or a transfer Martine to Device at (MTD) OD On One Disease Transfer and Excelling	825	20-Jul-17 A	22-Oct-19	V 22-Cu-19, Construction
D12130	Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities	0	20-Jul-17 A	44 Mar 40	
083530	Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities	0	00 1447 4	11-Mar-19	◆ Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Factities
012131	Construction - CD Co-Gen Biogas Treatment Facilities	660	20-Jul-17 A	24-Jul-19	Construction - CD Co-Gen Biogas Treatment Facilities
086360	Commissioning - CD Co-Gen Biogas Treatment Facilities	60	26-May-19	24-Jul-19	Commissioning - CD/Co-Gen Biogas Treatment Facilities
D12141	2.19 (2a) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities	0	05 14 10	24-Jul-19*	◆ 2.19 (2a) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities
D40210	Project Closeout - CD Co-Gen Biogas Treatment Facilities	90	25-Jul-19	22-Oct-19*	Project Closeout - CD Co-Gen Biogas Treatment Facilities
ject Administration	WASD Project Administration - CD Co. Con Piezzo Transmost Excilition	1527	04-Jun-15 A	22-Oct-19	
034170	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities	1527	04-Jun-15 A	22-Oct-19	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities
.,	troom and Building Rehab	1290	14-Apr-16 A	25-Oct-19	v 2300016, 2.16 (2)0 COCEI Nesticolin and Dataling Reliab
gineering Design D70980	Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab	200	14-Apr-16 A 14-Apr-16 A	31-Oct-16 A 11-May-16 A	
070990	BODR Review Period - CD Co-Gen Restroom and Building Rehab	14	•	25-May-16 A	■ Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab
D70990 D71040	Final BODR - CD Co-Gen Restroom and Building Rehab		26-May-16 A	08-Jun-16 A	BODR Review Period - CD Co-Gen Restroom and Building Rehab
071040	60% Design Submittal - CD Co-Gen Restroom and Building Rehab	59	09-Jun-16 A	06-Aug-16 A	Final BODR- CD Co-Gen Restroom and Building Rehab
071000	60% Design Submittal - CD Co-Gen Restroom and Building Rehab	14		20-Aug-16 A	60% Design Submittal - CD Co-Gen Restroom and Building Rehab
071020	100% Design Submittal - CD Co-Gen Restroom and Building Rehab		21-Aug-16 A	15-Sep-16 A	60% Design Review - CD:Co-Gen Restroom and Building Rehab
082110		201		31-Oct-16 A	100% Design Submittal - CD Co-Gen Restroom and Building Rehab
	Engineering Design - CD Co-Gen Restroom and Building Rehab		14-Apr-16 A		Engineering Design - CD Co-Gen Restroom and Building Rehab
071030	100% Design Review/Permit Ready Submittal - CD Co-Gen Restroom and Building Rehab	46	16-Sep-16 A	31-Oct-16 A	
nitting 171050	RER Permit - CD Co-Gen Restroom and Building Rehab	276 52	01-Nov-16 A 01-Nov-16 A	04-Aug-17 A 22-Dec-16 A	
082100	Permitting - CD Co-Gen Restroom and Building Rehab	277	01-Nov-16 A	04-Aug-17 A	RER Permit - CD Co-Gen Restroom and Building Rehab
					Permitting - CD Co-Gen Restroon and Building Rehab
D81960	City of Miami Permit - CD Co-Gen Restroom and Building Rehab	213	04-Jan-17 A	04-Aug-17 A	City of Miami Permit - CD Co-Geh Restroom and Building Rehab
curement 084160	GMOU submittal and approval - CD Co-Gen Restroom and Building Rehab	624 20	03-Feb-17 A 03-Feb-17 A	29-Nov-18 A 22-Feb-17 A	
084100	Internal Bid Package Review - CD Co-Gen Restroom and Building Rehab	13		17-Aug-17 A	GMOU submittal and approval - CD Co-Ger Restroom and Building Rehat
D81970	Design Documents Sent to Procurement - CD Co-Gen Restroom and Building Rehab	0	18-Aug-17 A	IT-Aug-IT A	Internal Bid Package Review - OD Co-Gen Restroom and Building Réhab
082330		39	•	05 Cap 17 A	Design Documents Sent to Producement - CD Co-Gen Restroom and Building Rehab
081990	SBD Goals / OCI Reviews and Provides List - CD Co-Gen Restroom and Building Rehab		18-Aug-17 A	25-Sep-17 A	SBD Goals / OCI Reviews and Provides List - CD Co-Gen Réstroom and Building Rehab
081990	Advertise Bid Package - CD Co-Gen Restroom and Building Rehab	0	26-Sep-17 A	18-Jan-18 A	
	Bid Solicitation Period - CD Co-Gen Restroom and Building Rehab	42	26-Sep-17 A	TO-Jall-TO A	Bid Solicitation Period - CD Co-Gen Restroom and Building Rehab
D82010	Bids Due - CD Co-Gen Restroom and Building Rehab	0	19-Jan-18 A	14 Eab 10 A	♦ Bids Due - CD Co-Gen Restroom and Building Rehab
082020	Bid Review Period - CD Co-Gen Restroom and Building Rehab	32	19-Jan-18 A	14-Feb-18 A	Bid Review Period CD Cp-Gert Restroom and Building Rehab
085500	Bids Cancelled - CD Co-Gen Restroom and Building Rehab	0	1551.104	14-Feb-18 A	♦ Bids Cancelled - CD Co-Gen Restroom and Building Rehab
085510	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
085520	Design Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	22-Feb-18 A		◆ Desian Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab
085530	SBD Goals / OCI Reviews and Provides List (for Bid#2) - CD Co-Gen Restroom and Building Rehab	20		25-Feb-18 A	I SBD Goals / OCI Reviews and Provides List (for Bid#2) CD Co-Gen Restroom and Building Rehab
085540	Advertise Bid Package (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	26-Feb-18 A		◆ Adventise Bid Package (fipr Bid#2) - CD Co-Gen Restroom and Building Rehab
085550	Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab	45	26-Feb-18 A	05-Apr-18 A	📕 Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab
085560	Bid Due (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	06-Apr-18 A		Bid Due (for Bid#2) - CD Co-Gen Restroom and Building Rehab
85570	Bid Review Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab	30	06-Apr-18 A	08-May-18 A	📕 Bid Review Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab
082030	Bids Rejected (for Bid#2)- CD Co-Gen Restroom and Building Rehab	0		08-May-18 A	Bids Rejected (for Bid#2)-CD Co-Gen Restroom and Building Rehab
086010	Bid Documents Revised (for Bid#3) - CD Co-Gen Restroom and Building Rehab	7	08-May-18 A	07-Jun-18 A	Bid Documents Revised (for Bid#3) - CD Co-Gen Restroom and Building Rehab
86020	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
086030	SBD Goals / OCI Reviews and Provides List (for Bid#3) - CD Co-Gen Restroom and Building Rehab	30	06-Jun-18 A	14-Jun-18 A	SBD Goals / OCI Reviews and Provides List (for Bid#3),- CD Co-Gen Restroom and Building Rehab
86040	Advertise Bid Package (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	14-Jun-18 A		◆ Advertise Bd Package (for Bid#3) - CD Co-Gen Restroom and Building Rehab
086050	Bid Solicitation Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab	45	14-Jun-18 A	26-Jul-18 A	Bid Solid tation Period (for Bid#3) - CD Co-Geh Restroom and Building Rehab
086060	Bid Due (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	27-Jul-18 A		◆ Bid Due (for Bid#3) - CD Co-Gen Restroom and Building Rehab
086070	Bid Review Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab	30	27-Jul-18 A	29-Aug-18 A	Bid Review Period (for Bid#3) -CD Co-Gen Restroom and Building Rehab
86080	Award Recommendation (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0		29-Aug-18 A	♦ Award Recommendation (for Bid#3) - CD Co-Gen Restroom and Building Rehab
82040	Procurement - CD Co-Gen Restroom and Building Rehab	81	18-Aug-17 A	29-Nov-18 A	Procurement - CD/Co-Gen Restroom and Building Rehab
82050	Final Approvals (BCC, Mayor, Risk Mgmt.) -CD Co-Gen Restroom and Building Rehab	24	0	29-Nov-18 A	Final Approvals (BCC, Mayor, Risk Momt,)-CD Co-Gen, Restroom and Building, Rehab
struction		300	30-Nov-18 A	25-Oct-19	25-Oct-19, Construction
082060	Contractor Notice to Proceed (NTP) - CD Co-Gen Restroom and Building Rehab	0	30-Nov-18 A	05.0	Contractor Notice to Proceed (NTP) - CD Co-Gen Restroom and Building Rehab
082070	Construction - CD Co-Gen Restroom and Building Rehab	300	30-Nov-18 A	25-Sep-19	Construction - CD Co-Gen Restroom and Building Rehab
086370	Commissioning - CD Co-Gen Restroom and Building Rehab	30	27-Aug-19	25-Sep-19	Commissioning - CD Co-Gen Restroom and Building Rehab
082080	2.19 (2b) Substantial Completion (CD Compliance Date 5/21/20) -CD Co-Gen Restroom and Building Rehab	0		25-Sep-19*	♦ 2.19 (2b) Substantial Completion (CD Compliance Date 5/21/20) CD Co-Gen Restroom and Building
082090	Project Closeout - CD Co-Gen Restroom and Building Rehab	30	26-Sep-19	25-Oct-19*	Project Closeout - CD Co-Gen Restroom and Building Rehab 25 Oct-19, Project Administration
ject Administration		90	14-Apr-16 A	25-Oct-19	▼ 25-Oct-19, Project Administration
085220	WASD Project Administration - CD Co-Gen Restroom and Building Rehab	90	14-Apr-16 A	25-Oct-19	WASD Project Administration - CD Co-Gen Restroom and Building Rehab
Septage Unload	ding Station - Cancelled	0	28-Dec-16 A	28-Dec-16 A	▼ 28-Dec-16 A, 2.20 Septage/Unloading Station - Cancelled
-Design		0	28-Dec-16 A	28-Dec-16 A	▼ 28-Dec-16 A, Pre-Design
012241	Approval of Motion to Cancel Project - CD Septage Unloading Station	0		28-Dec-16 A	

	Activity Name	Original Start	Finish	Baseline (By Phase) 2016	2017	2018		2019	20	020		2021	1		2022			- Page 2023	
		Duration			Q1 Q2 Q3 Q4 Q1	Q2 Q3 (Q4 Q1			Q1		3 Q4			Q4
-Design		59 16-Jun-15			2	5-Jan-18 A, Pre	e-Design												
D12251	Pre-Design - CD Pump Station No. 1	59 16-Jun-15		ign - CD Pump Station n															
D85380	Pre-Design (Temp. Odor System) - CD Pump Station No. 1	59 21-Sep-17			P	re-Design (Tem 22-Feb-18 A, E	p. Odor Syst	em) - CD Pun	np.Station No.	.1		·							
gineering Design	Our different Anne en er en ante opportung Oterfang Nach	994 13-Aug-15				22-Feb-10 A, E	ingneening i	Jesyn											
D21440	Condition Assessment - CD Pump Station No. 1	70 13-Aug-15		pnaition Assjessment - C) Pump Station No. 1														
D21450	Condition Assessment Review Period - CD Pump Station No. 1	12 09-Nov-15		ondition Assessment Re	view Period - CD Pump Statio	h No. 1													
D83260	EPA Start Date for Engineering Design - CD Pump Station No. 1	0 01-Oct-16	۹	EPA	Start Date for Engineering De	sign - CD Pum	p Station No	.1											
D33770	Negotiate Final Design - CD Pump Station No. 1	326 24-Nov-15	A 14-Oct-16 A	Nee	otiate Final Design - CD Pum	p Station No. 1				1 1				1 1				1	
D21460	BODR Design Submittal - CD Pump Station No. 1	32 15-Oct-16	A 15-Nov-16 A		ODR Design Submittal - CD P														
D21470	BODR Design Review - CD Pump Station No. 1	7 16-Nov-16	A 22-Nov-16 A		BODR Design Review - OD Pur														
D21490	60% / Charrette Design Submittal - CD Pump Station No. 1	38 23-Nov-16	A 30-Dec-16 A	- i i i i	60% / Charrette Design Sub	i i i	- i	. 1		1				1 1				1	
D83990	60% / Charrette Design Review - CD Pump Station No. 1	10 31-Dec-16	A 09-Jan-17 A			1 1 1													
D21500	100% Design Submittal - CD Pump Station No. 1	58 10-Jan-17	A 08-Mar-17 A		60% / Charrette Design Rev	i i i'	- i												
D10710	Engineering Design - CD Pump Station No. 1	638 13-Aug-15		_ : :	100% Design Submittal					1				1 1					
D40500	100% Design Review/Permit Ready Submittal - CD Pump Station No. 1	64 09-Mar-17	· ·		Engineering De														
		04 09-10117			100% Design Revie	w/Permit Read	ly S <mark>u</mark> bmittal -	CD Pump St	ation No. 1										
D81920	EPA Compliance Date for Engineering Design - CD Pump Station No. 1	0	30-Jun-17 A		EPA Compliance	e Date for Engi	inee <mark>r</mark> ing Desi	gn - CD Pum	p Station No. 1	1									
D85390	Engineering Design (Tech. Spec.) for Temp. Odor System - CD Pump Station No. 1	66 26-Jan-18				Engineering Do 5-Feb-18 A, Pe	esian (Tech.	Spec.) for Ter	np. Odor Syste	em - CD	Pump Sta	ation No	1						
mitting		289 15-May-17				ю-гер-то А, Ре	ennuang												
D80180	RER Permit - CD Pump Station No. 1	23 15-May-17			RER Permit - CD	Pump Station I	No.												
083270	EPA Start Date for Permitting - CD Pump Station No. 1	0 01-Jul-17			EPA Start Date	for Permitting -	CD Pump S	tation No. 1											
010830	Permitting - CD Pump Station No. 1	264 15-May-17	A 08-Jan-18 A		F	Permitting - CD	Pump Statio	n No. 1											
080200	City of Miami Permit - CD Pump Station No. 1	236 12-Jun-17	A 08-Jan-18 A			v of Miami Perr	nit - CD Pum	p Station No	1	1				1			. 1		1
081930	EPA Compliance Date for Permitting - CD Pump Station No. 1	0	05-Feb-18 A			PA Compliance				No 1					1				
curement		1141 23-Dec-15	A 05-Feb-19		·····	ייר בי די הי הי הי הי הי הי הי הי הי הי הי הי הי	05-F	eb-19, Procu	irement	-1910 - L									1
084670	Procurement of Screens for Rehab by WASD - CD Pump Station No. 1	42 23-Dec-15		Broaumment of C	ens for Rehab by WASD - CD	Dumo Ctatia	Nh 1												
084240	GMOU submittal and approval - CD Pump Station No. 1	22 17-May-17		Procurement of Screet		i i i	- i	otion N-						1			. 1		1
084110	Internal Bid Package Review - CD Pump Station No. 1	33 27-Sep-17		_ : : : :	GMOU submittal														
032320	Design Documents Sent to Procurement - CD Pump Station No. 1	0 08-Dec-17		_		al Bid Package			1.										
					Desir	n Documents	Sen <mark>t</mark> to Proc	urement - CD	Pump Station	n No. 1									
032330	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 1	15 08-Dec-17			Sub	mit/Approve \$B	D G <mark>oals and</mark>	Request to A	dvertise - CD	Pump S	tation No.	.1							
084690	OCI Reviews and Provides List - CD Pump Station No. 1	5 23-Dec-17				Reviews and	Provides List	- CD Pump S	Station No. 1	1				1 1				1	1
032340	Advertise Bid Package - CD Pump Station No. 1	0 11-Jan-18	4		🔶 Ac	vertise Bid Pac	kage - CD Pu	Imp Station N	lo. 1										
083280	EPA Start Date for Procurement - CD Pump Station No. 1	0 06-Feb-18	A			PA Start Date				1									
032350	Bid Solicitation Period - CD Pump Station No. 1	46 11-Jan-18	A 08-Mar-18 A			Bid Solicitatio			1 1										
D32360	Bids Due - CD Pump Station No. 1	0 09-Mar-18	A			Bids Due - CD				1				1 1		1			1
D32370	Bid Review Period - CD Pump Station No. 1	31 09-Mar-18	A 06-Apr-18 A											1					1
032380	Award Recommendation - CD Pump Station No. 1	0	06-Apr-18 A			Bid Review	- i	1 I I I	- i - i										
D11020	Procurement - CD Pump Station No. 1	862 08-Dec-17	· ·			Award Reco													
							Proc	curement - CL	D Pump Station	n INO. 1				1 1				1	
D32390	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 1	60 07-Apr-18		_		Final Ar	opro <mark>v</mark> als (BCC	C, Mayor, Risk	(Mgmt.) - CD I	Pump \$	station No.	1							
081940	EPA Compliance Date for Procurement - CD Pump Station No. 1	0	05-Feb-19*		<u></u>		♦ EPA	Compliance	Date for Procu	urement	t - CD Pum	p Station	1 No. 1	truction					
nstruction		1634 07-Sep-16										20-Feb-2	21, 001150	auction				1	1
D84680	Screen Rehab by WASD - CD Pump Station No. 1	147 07-Sep-16			Screen Rehab by WASD	- CD Pump Sta	tion No. 1												
D11148	Contractor Notice to Proceed (NTP) - CD Pump Station No. 1	0 11-Jun-18				 Contract 	tor Notice to	Proceed (NTI	P) - CD Pump	Station	No. 1								
D83290	EPA Start Date for Construction - CD Pump Station No. 1	0 06-Feb-19	•			1 1	♦ EPA	Start Date fo	or Construction	- CD P	ump Static	on No. 1		1 1					
D11150	Construction - CD Pump Station No. 1	451 07-Sep-16	A 26-Jul-19									Construc	ction - CE) Pump '	Station No	J. 1			
084790	Construction of PS #1 - CD Pump Station No. 1	410 11-Jun-18	A 26-Jul-19					Const	ruction of PS #	#1 - CD	Pumn Sta	tion No. 1	1						
D86380	Commissioning - CD Pump Station No. 1	30 27-Jun-19	26-Jul-19						nissionina - CE					1 1				1	1
D11210	Substantial Completion (CD Compliance Date 2/26/21) - CD Pump Station No. 1	0	26-Jul-19*					1. 1.	- 1 - T	1 1		1.1.1	2/26/24	CD Dur	on Chation	Nad			
040220	Project Closeout - CD Pump Station No. 1	30 27-Jul-19							antial Complet		i i	- i - i -	-120121)-	۳um رې	ouquion	iγU. I			
081950	EPA Compliance Date for Construction - CD Pump Station No. 1	0	26-Feb-21*					🔲 Proj	ect Closeout -	CDPur		1 1	_						
ect Administration	1	1466 13-Aug-15						25-/	Aug-19, Projec	t Admin	nistration ●	EPA Cor	mpliance	Late for	Construct	.uon - CD	' Hump S	tation N	q. 1
034180	WASD Project Administration - CD Pump Station No. 1	1466 13-Aug-15								1 1									
Pump Station N		1773 30-Sep-14							SD Project Adi ug-19, 2.22 P	ministra Pump St	tion - CD F tation No.2	ump Stat	1 non No. 1				+	·	
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-Design	Dra Dasian CD Duran Station No. 2	197 30-Sep-14		i i															1
012261	Pre-Design - CD Pump Station No. 2	198 30-Sep-14			a incorting Destion	ļļļ.													
gineering Design		560 01-Oct-14		• 13-Apr-16 A, Er	gineeing Design														
083300	EPA Start Date for Engineering Design - CD Pump Station No. 2**	0 01-Oct-14		ha Desian - CD Pump St	ation No. 2**														
081590	EPA Compliance Date for Engineering Design - CD Pump Station No. 2**	0	05-Feb-15 A	le ior Engineering Desig	n - CD Pump Station No. 2**					1				1			. 1		1
020490	Basis of Design Report (BODR) - CD Pump Station No. 2	111 13-Apr-15	4 04-Aug-15 A	Design Report (BODR) -	CD Pump Station No. 2														
020500	BODR Review Period - CD Pump Station No. 2	17 05-Aug-15	A 21-Aug-15 A																
030310	Negotiation of Final Design - CD Pump Station No. 2	122 21-Jul-15	A 19-Nov-15 A		n - CD Pump Station No. 2									1			. 1		
20530	60% Design Submittal - CD Pump Station No. 2	70 19-Nov-15	A 27-Jan-16 A		al - CD Pump Station No. 2														
020540	60% Design Review - CD Pump Station No. 2	7 28-Jan-16	A 03-Feb-16 A		- CD Pump Station No. 2														
020550	100% Design Submittal - CD Pump Station No. 2	35 04-Feb-16		00% Design Review	e de la de la deserve												. 1		1
040530	Develop Pre-Purchase Bid Packages (Odor Control, Valve, Flowmeter) - CD Pump Station No. 2	66 31-Jan-16		100% Design Sub	mittal - CD Pump Station No.					1									1
			· ·	Develop Pie-Pui	chase Bid Packages (Odor Co		owmeter) - C	D Pump Stati	on No. 2										
010270	Engineering Design - CD Pump Station No. 2	365 13-Apr-15	· ·		sign - CD Pump Station No. 2														
040510	100% Design Review/Permit Ready Submittal - CD Pump Station No. 2	35 10-Mar-16	· ·		eview/Permit Ready Submittal 15-Dec-16 A, Permitting	- CD Pump St	ation No. 2												
mitting		678 06-Feb-15			15-Dec-16 A, Permitting												. 1		
D83310	EPA Start Date for Permitting - CD Pump Station No. 2	0 06-Feb-15	4	ermitting - CD Pump Sta	tion No. 2					1							, Í.,		1
D80130	Miami 21 Zoning Permit - CD Pump Station No. 2	54 18-Apr-16	A 10-Jun-16 A		oning Permit - CD Pump Static	m No. 2													
082120	DERM Permit - CD Pump Station No. 2	70 13-Apr-16	A 21-Jun-16 A		mit - CD Pump Station No. 2														
082130	FDOT Permit - CD Pump Station No. 2	11 23-Sep-16		DERIVIPEI		6.2													
D10350	Permitting - CD Pump Station No. 2	234 13-Apr-16			T Permit - CD Pump Station N Permitting - CD Pump Statior														
	City of Miami Permit - CD Pump Station No. 2	159 27-Jun-16												1		- i		1	1
D80060			1 02-DCC-10 A		City of Miami Permit - CD Purr				i i i			- i - i -					. i		

	Activity Name	Original	Start	Finish	2016 2017	2018	<u> </u>	2019	T	2020	
		Duration			Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	Q1 Q2 Q3	Q4 Q1	Q2 Q3 Q4	I Q1	Q2 Q3	3
rocurement		355	06-Apr-16 A	27-Mar-17 A	27-Mar-17 A, Pro	aurement					-
CD40550	Advertise Pre-Purchase Package (Plug Valve) - CD Pump Station No. 2	0	06-Apr-16 A		Advertise Pre-Purchase Package (Plug V	alve) - CD Pump Str	ation No. 7	2			
D40560	Advertise Pre-Purchase Package (Flow Meter) - CD Pump Station No. 2	0	06-Apr-16 A		Advertise Pre-Purchase Package (Flow N			1 1 1	1	1	1
CD40580	Vendor Bid & Award (Plug Valve) - CD Pump Station No. 2	13	06-Apr-16 A	18-Apr-16 A	VendorBid & Award (Plug Valve) - CD P		alloir 140.	1			
D40610	VendorNTP (Plug Valve) - CD Pump Station No. 2	0	18-Apr-16 A								
D40590	Vendor Bid & Award (Flow Meter) - CD Pump Station No. 2	17	06-Apr-16 A	22-Apr-16 A	VendorNTP (Plug Valve) - CD Pump Sta						
D40620	VendorNTP (Flow Meter) - CD Pump Station No. 2	0	22-Apr-16 A	2270077	Vendor Bid & Award (Flow Meter) - CD	i i i			1	1	1
			•		Vendor NTP (How Meter) - CD Pump S	ation No. 2			1	1	
D40540	Advertise Pre-Purchase Package (Odor Control) - CD Pump Station No. 2	0	17-Jun-16 A		 Advertise Pre-Purchase Package (O 	dor Control) - CD 🕅	ump <mark>S</mark> tatic	on No. 2	1 1		
CD40650	Fabricate & Deliver Flow Meter - CD Pump Station No. 2	60	22-Apr-16 A	20-Jun-16 A	Fabricate & Deliver Flow Meter - CD	Pump Station No.	2				
CD30780	Design Documents Sent to Procurement - CD Pump Station No. 2	0	15-Jul-16 A		Design Documents Sent to Procu	ement - CD Pump	Station Nr.	2			
D83320	EPA Start Date for Procurement - CD Pump Station No. 2	0	29-Jul-16 A		 EPA Start Date for Procurement 						
D40570	Vendor Bid & Award (Odor Control) - CD Pump Station No. 2	54	17-Jun-16 A	09-Aug-16 A							
D40600	Vendor NTP (Odor Control) - CD Pump Station No. 2	0			Vendor Bid & Award (Odor Cont						
D30800			•		 VendorNTP (Odor Control) - CD 	Pump Station No. 2	1		1		1
	Advertise Bid Package - CD Pump Station No. 2	0	29-Aug-16 A		 Advertise Bid Package - CD Pu 	mp Station No. 2			1		
D30790	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 2	47	15-Jul-16 A	30-Aug-16 A	Submit/Approve SBD Gdals an	d Request to Adver	tise - CD F	ump Station No.	2		
D30810	Bid Solicitation Period - CD Pump Station No. 2	49	29-Aug-16 A	16-Oct-16 A	Bid Solicitation Period - CD	Pump Station No. 2	,				
D30820	Bids Due - CD Pump Station No. 2	0	17-Oct-16 A		 Bids Due - CD Pump Station 	i i i			1		
D40640	Fabricate & Deliver Plug Valve - CD Pump Station No. 2	226	18-Apr-16 A	29-Nov-16 A							
D30830	Bid Review Period - CD Pump Station No. 2	66	17-Oct-16 A	21-Dec-16 A	Fabricate & Deliver Plug			4	1		
			IT-OCETOR		Bid Review Period - CD	Pump Station No. 2	2				
D30840	Award Recommendation - CD Pump Station No. 2	0		21-Dec-16 A	Award Recommendatio	n - CD Pump Static	un No. 2				
D10580	Procurement - CD Pump Station No. 2	193	15-Jul-16 A	23-Jan-17 A	Procurement + CD P	ump Station No. 2					
030850	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 Momt	.) - CD Pur	mp Station No 2			
081610	EPA Compliance Date for Procurement - CD Pump Station No. 2	0		04-Feb-17 A							
040630	Fabricate & Deliver Odor Control System - CD Pump Station No. 2	230	10-Aug-16 A	27-Mar-17 A	◆ EPA Compliance Da	e ioi riocurement		J SIAIUN NO. 2			
		926	24-Jan-17 A		Fabicate & Deliv	er Odor Control Sys	em CD I	-ump Station No.	2 10-19. Co	nstruction	'n
D10818	Contractor Nation to Dramond (NTD) CD Dume Chation Mar 2	926	24-Jan-17 A 24-Jan-17 A	07-Aug-19				↓ 07-Au	3.0,00		1
	Contractor Notice to Proceed (NTP) - CD Pump Station No. 2	0			 Contractor Notice to 	Proceed (NTP) - CD	Pump Sta	ation No. 2			Ì
083330	EPA Start Date for Construction - CD Pump Station No. 2	0	05-Feb-17 A		EPA Start Date for Q	onstruction - CD Pu	ump static	n No. 2			
081620	EPA Compliance Date for Construction - CD Pump Station No. 2	0		25-May-19*				EPA Comp	liance Dr	ate for Co	onst
010820	Construction - CD Pump Station No. 2	261	24-Jan-17 A	28-Jun-19					tion - CD		
086390	Commissioning - CD Pump Station No. 2	30	30-May-19	28-Jun-19		1 1 1				r -	- 1
010970	Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2	0		28-Jun-19*				Commiss		1 1	· ;
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040230	Project Closeout - CD Pump Station No. 2	40	29-Jun-19	07-Aug-19*		<u></u>			d Closeou 1g-19, Pro	ut - CD P	'n'n
ject Administration		1000	13-Apr-15 A	07-Aug-19				• 07-Au	g-19, Plo	Ject Adm	ame
D34190	WASD Project Administration - CD Pump Station No. 2	1000	13-Apr-15 A	07-Aug-19				was	D Project	Administ	tratio
O2 Plant Proce	ess Controls Phase 2	1255	01-Oct-13 A	09-Mar-17 A	09-Mar-17 A, 2.23	O2 Plant Process	Controls F	hase 2			
gineering Design		124	01-Oct-13 A	02-Feb-14 A							
D83340	EPA Start Date for Engineering Design - CD 02 Plant Process Controls Phase 2	0	01-Oct-13 A	021001477							
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D10010	Engineering Design - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	pntrols Phase 2						
D81630	EPA Compliance Date for Engineering Design - CD 02 Plant Process Controls Phase 2	0		02-Feb-14 A	- CD 02 Plant Process Controls Phase 2						
rmitting		489	01-Oct-13 A	02-Feb-15 A	ing						į
D10090	Permitting - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	lant Process Controls Phase 2						
D83350	EPA Start Date for Permitting - CD O2 Plant Process Controls Phase 2	0	03-Feb-14 A		Transta Cantingla Dhaga 2						- İ
D81640	EPA Compliance Date for Permitting - CD O2 Plant Process Controls Phase 2	0		02-Feb-15 A	Process Controls Phase 2						
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curement	EPA Otat Data for Drawman at I OD OO Direct Drawma Controls Direct O			02-Feb-10 A					1 1		
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010340	Procurement - CD O2 Plant Process Controls Phase 2	315	03-Jun-14 A	13-Apr-15 A	Procurement - CD O2 Plant Process Controls	Phase 2			1	1	
081650	EPA Compliance Date for Procurement - CD O2 Plant Process Controls Phase 2	0		02-Feb-16 A	◆ EPA Compliance Date for Procurement - CD	02 Plant Process C	ontrols Ph	ase 2	1		
struction		689	20-Apr-15 A	09-Mar-17 A	◆ EPA Compliance Date for Procurement - CD 09-Mar-17 A, Con	struction	2100010121	400.2	1		1
083370	EPA Start Date for Construction - CD O2 Plant Process Controls Phase 2	0	03-Feb-16 A						1 1	1	
D10570	Construction - CD O2 Plant Process Controls Phase 2	372		25-Apr-16 A	EPA Start Date for Construction - CD O2 Plan Construction - CD O2 Plan Construction - CD			2000		1	į
			20 Apr-13 A	· ·	Construction - CD	O2 Plant Process C	unitions Pr	lase 2			
010850	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) - ¢I) O2 Plan	t Process Controls	Phase 2	2	
040240	Project Closeout - CD O2 Plant Process Controls Phase 2	172	26-Apr-16 A	14-Oct-16 A	Project Closeout - CD O2 Pl	ant Process Control	s Phase 2	2			ł
081660	EPA Compliance Date for Construction - CD O2 Plant Process Controls Phase 2	0		09-Mar-17 A					ontrols Ph	ase 2	
ect Administration		1109	01-Oct-13 A	14-Oct-16 A	♠ EPA Compliance 14-Oct-16 A, Project Admini	stration					
034200	WASD Project Administration - CD O2 Plant Process Controls Phase 2	1110		14-Oct-16 A				trole Phase 2			
Gas Monitoring	-	1076		21-Mar-18 A	WASD Project Administratio	21-Mar-18 A	1, 2.24 G	is Monitoring and	Alarms		
	gener minite				⊧-Design		·····				
Design		115		13-Apr-15 A	r soogii						
012271	Pre-Design - CD Gas Monitoring and Alarms	116		13-Apr-15 A	Gas Monitoring and Alarms. 15 A, Engine ering Design)
gineering Design		222	01-Jan-15 A	11-Aug-15 A	15 A, Engineering Design						
83380	EPA Start Date for Engineering Design - CD Gas Monitoring and Alarms**	0	01-Jan-15 A		ineering Design - CD Gas Monitoring and Alarms	k*					
81680	EPA Compliance Date for Engineering Design - CD Gas Monitoring and Alarms**	0		04-Mar-15 A							
010310	Engineering Design - CD Gas Monitoring and Alarms	121	13-Apr-15 A	11-Aug-15 A	ate for Engineering Design - CD Gas Monitoring	and Alams**					
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Istruction	Contractor Nation to Despend (NTD) OD One Manifester and Alex	413		21-Mar-18 A	-	- 21-Wal-10/A	, 55130 00				
031030	Contractor Notice to Proceed (NTP) - CD Gas Monitoring and Alarms	0	12-Oct-16 A		Contractor Notice to Procee	d (NTP) - CD Gas M	onitoring :	and Alarms			
083410	EPA Start Date for Construction - CD Gas Monitoring and Alarms	0	05-Mar-17 A		 EPA Start Date for 			1 1 1			
081710	EPA Compliance Date for Construction - CD Gas Monitoring and Alarms**	0		19-Sep-17 A		Compliance Date to			nitoring	and Alar	ne**
010840	Construction - CD Gas Monitoring and Alarms	353	12-Oct-16 A	29-Sep-17 A		struction - CD Gas N				- i a reditt	10
D10930	Substantial Completion (CD Compliance Date 9/19/17) - CD Gas Monitoring and Alarms	0		29-Sep-17 A						_	
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040250	Project Closeout - CD Gas Monitoring and Alarms	60	30-Sep-17 A	21-Mar-18 A	<u> </u>	Project Clos	eout CD.	Gas Monitoring a	od Alarm	s	
ject Administration		961	13-Apr-15 A	21-Mar-18 A		21-Mar-18 A	., Project A	aministration			
D34210	WASD Project Administration - CD Gas Monitoring and Alarms	961	13-Apr-15 A	21-Mar-18 A		WASD Proir	ect Admini	stration - CD Gas	Monitorin	ig and Al	lam
Ventilation Imp	provements	3914	11-Jun-14 A	27-Feb-25						2010	
venuation					<u></u>	<u></u>	<u></u>		<u></u>	<u></u>	
gineering Design		2584	11-Jun-14 A	07-Jul-21							-

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	ent - CD Ventilation Improvements Date for Procurement - CD Ventilation Improvements	1963	15-Apr-16 A 08-Jul-22*	29-Aug-21					Procurement
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Construction		3041	31-Oct-16 A	27-Feb-25					EPA Complia
CD11560 Construction	on - CD Ventilation Improvements	2365	31-Oct-16 A	22-Apr-23					
	al Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements	0		22-Apr-23*				♦ S	ubstantial Comp
	Date for Construction - CD Ventilation Improvements	0	08-Jul-23*						EPA Start D
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Project Administration CD34220 WASD Pro	oject Administration - CD Ventilation Improvements	3328	11-Jun-14 A	21-Jul-23					
.25 (1) HVAC Improvements for A		1664	31-Dec-18	21-Jul-23				· · · · · · · · ·	WA SD Proj
Pre-Design		125	31-Dec-18	04-May-19		04-May-19, Pre-Design			
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	ent - WASD In House HVAC Improvements	270	03-Dec-20	29-Aug-21	 -	····			Procuremen
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roject Administration		1449	05-May-19	22-Apr-23					2-Apr-23, Project Clo
	oject Administration - WASD In House HVAC Improvements	1449	05-May-19	22-Apr-23					
25 (2) Headworks HVAC Improv	ements (Project 2.03/2.04)	1254	06-Oct-14 A	25-Jul-19		25-Jul-19, 2.25 (2) Headwor	<s (proj<="" hvac="" improvements="" td=""><td>(ct 2.03/2.04)</td><td></td></s>	(ct 2.03/2.04)	
ngineering Design		479	06-Oct-14 A	28-Jan-16 A	▼ 28-Jan-16 A, Engineering Design				
	ng Design - Headworks HVAC Improvements (Project 2.03/2.04)	480	06-Oct-14 A 29-Jan-16 A	28-Jan-16 A	v 05-Aug-16 A Permitting		Engineer	ring Design - Headworks HVAC Improv	overnents (Proje
cD70670 Permitting	- Headworks HVAC Improvements (Project 2.03/2.04)	189	29-Jan-16 A	05-Aug-16 A 05-Aug-16 A	• • • • • • • • • • • • • • • • • • •			Permitting - Headwork	rks HV/AC Impro
rocurement		175	07-Mar-16 A	29-Aug-16 A	29-Aug-16 A, Procurement				
CD70680 Procureme	ent - Headworks HVAC Improvements (Project 2.03/2.04)	176	07-Mar-16 A	29-Aug-16 A					Procuremie
Construction		560	30-Aug-16 A	25-Jul-19		▼ 25-Jul-19, Construction			
	on - Headworks HVAC Improvements (Project 2.03/2.04)	560	30-Aug-16 A	25-Jul-19		25-Jul-19, Project Administra	ation		
roject Administration CD85240 WASD Pro	oject Administration - Headworks HVAC Improvements (Project 2.03/2.04)	1254 1254	06-Oct-14 A 06-Oct-14 A	25-Jul-19 25-Jul-19					
	HVAC Improvements (Project 2.15(1))	1413	11-Jun-14 A	29-Aug-19		29-Aug-19, 2.25 (3) Dige:	ster Control Building HVAC Im	provements (Project 2.15(1))	+
ngineering Design		475	11-Jun-14 A	29-Sep-15 A	ep-15 A, Erigineering Design			·····	
CD70620 Engineerir	ng Design - Digester Control Building HVAC Improvements (Project 2.15(1))	476	11-Jun-14 A	29-Sep-15 A			Engineer	ing Design - Digester Control Building	g HVAC Improv
ermitting	Discretes Constrol Duilding LMAC Improvements (Decient 2.45(4))	329	30-Sep-15 A	24-Aug-16 A	24-Aug-16 A Permitting				
CD70630 Permitting	- Digester Control Building HVAC Improvements (Project 2.15(1))	330 198	30-Sep-15 A 15-Apr-16 A	24-Aug-16 A 30-Oct-16 A	30-Oct-16 A, Procurement			Permitting - Digester 0	Control Buildin
	ent - Digester Control Building HVAC Improvements (Project 2.15(1))	199	15-Apr-16 A	30-Oct-16 A					Projcuremje
onstruction		540	31-Oct-16 A	29-Aug-19		▼ 29-Aug-19, Construction			
	on - Digester Control Building HVAC Improvements (Project 2.15(1))	540	31-Oct-16 A	29-Aug-19					
roject Administration	abat Administration Diseases Control Duilding 18/AC Improvements (Design 2.345(4))	1413	11-Jun-14 A	29-Aug-19		29-Aug-19, Project Admh	stration		
CD85250 WASD Pro 25 (4) Pump Station 1 HVAC Imp	oject Administration - Digester Control Building HVAC Improvements (Project 2.15(1))	1413	11-Jun-14 A 15-Oct-16 A	29-Aug-19 26-Jul-19		26-Jul-19, 2.25 (4) Pump St	ation 1 HVAC Improvements	(Project 2.21)	++-
ngineering Design		208	15-Oct-16 A	11-May-17 A	▼ 11-May-17 A, Engineering Design				
	ng Design - Pump Station 1 HVAC Improvements (Project 2.21)	209	15-Oct-16 A	11-May-17 A	┨ │ │ │ <mark>──────</mark> │ │ │ │ │ │ │		Engineer	ing Design - Pump Station 1 HVAC In	mprovements (
ermitting		264	15-May-17 A	08-Jan-18 A	08-Jan-18A, Per	mitting			
	- Pump Station 1 HVAC Improvements (Project 2.21)	264	15-May-17 A	08-Jan-18 A		I-18 A, Procurement		Permitting - Pump Sta	ation 1 HVAC
CD70590 Procurement	ent - Pump Station 1 HVAC Improvements (Project 2.21)	216 216	08-Dec-17 A 08-Dec-17 A	10-Jun-18 A 10-Jun-18 A					Procureme
onstruction		410	11-Jun-18 A	26-Jul-19		✓ 26-Jul-19, Construction			FIOCUIEINE
	on - Pump Station 1 HVAC Improvements (Project 2.21)	410	11-Jun-18 A	26-Jul-19	1				
oject Administration		965	15-Oct-16 A	26-Jul-19		26-Jul-19, Project Administra	tion		
	oject Administration - Pump Station 1 HVAC Improvements (Project 2.21)	965	15-Oct-16 A	26-Jul-19		28-Jun-19; 2.25 (5) Pump Sta	tion 2 HVAC Improvements "	Project (2,22)	
5 (5) Pump Station 2 HVAC Imp	provements (Project 2.22)	911	15-Apr-15 A	28-Jun-19	11-Apr-16 A, Engineering Design	▼ 20001113, 2.20 (0) FUIID Sta			÷
gineering Design CD70530 Engineerir	ng Design - Pump Station 2 HVAC Improvements (Project 2.22)	362 363	15-Apr-15 A 15-Apr-15 A	11-Apr-16 A 11-Apr-16 A	,,		Fndinee	ing Design - Pump Station 2 HVAC In	mprovemente (
ermitting		234	12-Apr-16 A	02-Dec-16 A	02-Dec-16 A, Permitting				
	- Pump Station 2 HVAC Improvements (Project 2.22)	235	12-Apr-16 A	02-Dec-16 A				Permitting - Pump Sta	ation 2 HVAC I
ocurement		192	15-Jul-16 A	23-Jan-17 A	23-Jan-17A, Procurement				
	ent - Pump Station 2 HVAC Improvements (Project 2.22)	193	15-Jul-16 A	23-Jan-17 A		28-Jun-19; Construction			Procureme
CD70600 Constructi	on - Pump Station 2 HVAC Improvements (Project 2.22)	261 261	24-Jan-17 A 24-Jan-17 A	28-Jun-19 28-Jun-19		20-Jun-19; Construction			
roject Administration	on - Pump Station 2 HVAC Improvements (Project 2.22)	911	24-Jan-17 A 15-Apr-15 A	28-Jun-19 28-Jun-19		28-Jun-19; Project Administrat	ion		
	oject Administration - Pump Station 2 HVAC Improvements (Project 2.22)	911	15-Apr-15 A 15-Apr-15 A	28-Jun-19 28-Jun-19					
6 Rehabilitation of Walkway		5110	01-Oct-13 A	27-Sep-27				+	+ + +
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ID CD83460 CD10070 CD11710 CD81760 Project Administration CD34230 .27 Oxygen Producti Engineering Design CD83470	Activity Name EPA Start Date for Construction - CD Rehab of Walkways & Stairways Construction - CD Rehab of Walkways & Stairways Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Walkways & Stairways	Original Duration 0 3741	01-Oct-13 A	Finish 28-Dec-23	2016 2017 2018 2019 2020 Q1 Q2 Q3 Q4 Q1 Q2 Q3
CD10070 CD11710 CD81760 Project Administration CD34230 .27 Oxygen Producti Engineering Design CD83470	Construction - CD Rehab of Walkways & Stairways Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Wakways & Stairways	3741		00 Dec 00	
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.27 Oxygen Producti Engineering Design CD83470		3741		28-Dec-23	
Engineering Design CD83470	WASD Project Administration - CD Rehab of Walkways & Stairways	3741		28-Dec-23	
CD83470	tion	2654	19-Dec-14 A	25-Mar-22	
		926	01-Jan-15 A	15-Jul-17 A	▼ 15-Jul-17A, Engineering Désign
	EPA Start for Engineering Design - CD Oxygen Production	0	01-Jan-15 A		ng Desian - CD Oxygen Production
CD10320	Engineering Design - CD Oxygen Production	801	13-Apr-15 A	21-Jun-17 A	Engineering Design - CD Oxygen Production
CD81770	EPA Compliance Date for Engineering Design - CD Oxygen Production	0		15-Jul-17 A	► EPA Compliance Date for Engineering Design - CD Overgon Production
Permitting		85	05-Apr-17 A	29-Jun-17 A	 EPA Compliance Date for Engineering Design - CD Oxygen Production 29-Jun-17 A, Permitting
CD10550	Permitting - Site Preparation (utilities and demolition)	86		29-Jun-17 A	Bormitting, Site Proparation ((tiliting and demolition)
Procurement		421	05-Jun-17 A	28-Dec-18 A	Perhitting, Site Preparation (utilities and demolition).
CD83490	EPA Start Date for Procurement - Site Preparation**	0	16-Jul-17 A		■
CD81790	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation**	0		15-Jul-18 A	▲ EPA Start Date for Procurement -Site Preparation**
CD10800	Procurement (Summary) - CD Oxygen Production & Site Preparation	314		28-Dec-18 A	► EPA Compliance Date for Procurement + CD Øxygen
		1294		13-Feb-22	Procurement (Summary) - CD Oxygen Pr
esign-Build	EDA Stat Data for Construction. Site Drangration##			13-Feb-22	
CD83500	EPA Start Date for Construction - Site Preparation**	0		00.1-101	EPA Start Date for Construction - Site Preparation**
CD11010	Construction (Summary) - CD Oxygen Production & Site Preparation	926		28-Jul-21	
CD86160	Substantial Completion (CD Compliance Date 2/13/22) - CD Oxygen Production & Site Preparation	0		28-Jul-21	
CD81800	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22*	
7 (1) Oxygen Produc	uction Site Preparation	518	28-Jan-16 A	29-Jun-17 A	29-Jun-17;A, 2:27 (1) Oxygen Production; Site Preparation
e-Design		245	28-Jan-16 A	29-Sep-16 A	▼ 29-\$ep-16 A, Pre-Design
CD70870	Pre-Design - Site Preparation (utilities and demolition)	246		29-Sep-16 A	Pro-Design - Site Propagation (utilities and domalition
ngineering Design		264		21-Jun-17 A	Pre-Design - Site Preparation (utilities and demolition
CD82150	30% Design Submittal - Site Preparation (utilities and demolition)	189		06-Apr-17 A	
CD82160	30% Design Review - Site Preparation (utilities and demolition)	176		19-Apr-17 A	30% Design Submittal - Site Preparation (utilities and demolition)
D82160		205		25-May-17 A	30% Design Review - Site Preparation (utilities and demolition)
	100% Design Submittal NFC - Site Preparation (utilities and demolition)			•	100% Design Submittal NFC - Site Preparation (utilities and demolition)
CD82180	100% Design Review - Site Preparation (utilities and demolition)	153		01-Jun-17 A	100% Design Review - Site Preparation (utilities and demolition)
D70880	Engineering Design - Site Preparation (utilities and demolition)	265	30-Sep-16 A	21-Jun-17 A	Engineering Design - Site Preparation (utilities and demolition)
D82190	100% Design Submittal Permit Ready - Site Preparation (utilities and demolition)	161	12-Jan-17 A	21-Jun-17 A	100% Design Submittal Permit Ready - Site Preparation (utilities and demolitic
rmitting		105	16-Mar-17 A	29-Jun-17 A	100% Design Submittal Permit Ready Site Preparation (utilities and demolitio
D33810	DERM Permit - Site Preparation (utilities and demolition)	57	16-Mar-17 A	11-May-17 A	DERM Permit - Site: Preparation (utilities and demolition)
CD82240	Permitting - Site Preparation (utilities and demolition)	106	16-Mar-17 A	29-Jun-17 A	
CD70890	COM Permit - Site Preparation (utilities and demolition)	86	05-Apr-17 A	29-Jun-17 A	Permitting - Site Preparation (utilities and demolition)
roject Administration		272	•	29-Jun-17 A	COM Permit - Site Preparation (utilities and demolition)
CD85330	WASD Project Administration - Site Preparation (utilities and demolition)	273		29-Jun-17 A	
		2654	•	25-Mar-22	
27 (2) Oxygen Produc	Icaon Design-Build				≱-Design
re-Design	Dre Design - CD Oursen Dreduction	114		12-Apr-15 A	
CD12291	Pre-Design - CD Oxygen Production	115		12-Apr-15 A	Oxygen Production
ngineering Design		732		14-Apr-17 A	14-Api-17 A, Engineening Design
CD21640	Basis of Design Report (BODR) - CD Oxygen Production	136	•	26-Aug-15 A	f Design Report (BODR) - CD Oxygen Production
CD21580	BODR Review Period - CD Oxygen Production	14	27-Aug-15 A	09-Sep-15 A	Review Period - CD Oxygen Production
D30330	Negotiate Phase II Design - CD Oxygen Production	428	27-Jul-15 A	26-Sep-16 A	Negotiate Phase II Design - CD Oxygen Production
CD33780	Design Criteria Package Initial Submittal - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	Design Criteria Package Initial Submittal - CD Oxygen Production
CD82200	Final Basis of Design Report (BODR) and Specs - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	
D33790	DCP Design Review - CD Oxygen Production	25	24-Feb-17 A	20-Mar-17 A	Final Basis of Design Report (BODR) and Specs - CD Owgen Production
D33800	Final DCP Submittal - CD Oxygen Production	10		30-Mar-17 A	DCP Design Review - CD Oxygen Production
					Final DCP Submittal - CD Oxygen Production
D82260	Engineering Design - CD Oxygen Production	733	•	14-Apr-17 A	Engineering Design - CD Oxygen Production
D82210	Issue Final RDBS - CD Oxygen Production	200	· ·	14-Apr-17 A	. Issue Final RDBS - CD Oxyden Production
ocurement		596		18-Dec-18 A	18-Dec-18 A, Procurement
D84120	Internal Bid Package review - CD Oxygen Production	49	•	04-Jun-17 A	htemal Bid Package review - CD Oxygen Production
D31040	RDBS sent to ISD - CD Oxygen Production	0	05-Jun-17 A		RDBS sent to ISD - CD Oxygen Production
D31050	Submit/Approve SBD Goals and Request to Advertise - CD Oxygen Production	25	05-Jun-17 A	29-Jun-17 A	Submit/Approve;SBD Goals and Request to Advertise - CD Oxygen Production
D33840	Advertise RDBS - CD Oxygen Production	0	26-Jul-17 A		
D33850	Request for Qualifications - CD Oxygen Production	80		13-Oct-17 A	Advertise RDBS - CD Oxygen Production
D33860	Qualifications Package Due - CD Oxygen Production	0		13-Oct-17 A	Request for Qualifications - CD Oxygen Production
		-			Qualifications Package Due - CD Oxygen Production
D33870	Qualification Review Period - CD Oxygen Production	55		05-Dec-17 A	Qualification Review Period - CD Oxygen Production
D33880	Shortlist Published - CD Oxygen Production	0		05-Dec-17 A	Shortlist Published - CD Oxygen Production
D33890	Request for Proposals - CD Oxygen Production	44		06-Mar-18 A	Request for Proposals - CD Oxygen Production
D31060	Proposals Due - CD Oxygen Production	0		06-Mar-18 A	♦ Proposals Due - QD Ox/gen Production
D31070	Proposal Review Period - CD Oxygen Production	20	07-Mar-18 A	22-Mar-18 A	Period - CD/Oxygen Production
D31080	Award Recommendation - CD Oxygen Production	0	23-Mar-18 A		Award Recommendation - CD Oxygen Production
D31100	Contract Negotiations - CD Oxygen Production	30	07-May-18 A	20-Jul-18 A	
D82250	Procurement - CD Oxygen Production	314		18-Dec-18 A	Contract Negotiations - CD Oxygen Production Procurement - CD Oxygen Production
CD31110	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production	95		18-Dec-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.)
sign-Build		1166		25-Mar-22	
	Design-Builder NTP - CD Oxygen Production	0			Design-Builder NTP - CD Oxygen Produc
CD33820	Construction of Site Preparation (CD 2.27(1)) - CD Oxygen Production	380	15-Jan-19	29-Jan-20	Construction o
	Construction Completion Milestone #1 (CD Compliance Date 2/13/22) - CD Oxygen Production	0		29-Jan-20*	◆ Cônstruction C
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CD84700	Final Engineering by Design-Builder - CD Oxygen Production AHJ Permit Review - CD Oxygen Production Design-Builder Summary (NTP to Milestone #2) - CD Oxygen Production	445 395 926	02-Jul-19	30-Jul-20 28-Jul-21	Final Engi

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CD84730	Construction Completion Milestone #2 (CD Compliance Date 2/13/22) - CD Oxygen Production	0	28-Jul-21*	Construction Completion Milestone #2 (CD Comp
CD84740	Construction of VPSA 2 (Non-Consent Decree) - CD Oxygen Production	162 29-Jul-21	06-Jan-22	Construction of VPSA2 (Non-Consent Decree) - CE
CD86400	Commissioning - CD Oxygen Production	30 08-Dec-21	06-Jan-22	Continuissioning - CD Owgen Production
CD11240	Substantial Completion (Non-Consent Decree) - CD Oxygen Production	0	06-Jan-22	◆ Substantial Completion (Non-Consent Decree)- CD
CD85340	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0	13-Feb-22*	◆ EPA Compliance Date for Construction - CD/Oxyg
CD40270	Project Closeout - CD Oxygen Production	78 07-Jan-22	25-Mar-22*	
Project Administration		1993 13-Apr-15 A	25-Mar-22	Project Closeout: CD. Oxygen Production 25-Mar-22; Project Administration
CD34240	WASD Project Administration - CD Oxygen Production	1993 13-Apr-15 A	25-Mar-22	WASD Project Administration - CD Owgen Pro-
2.28 SCADA RTU L	Upgrades	179 01-Oct-13 A	29-Mar-14 A	
Construction		179 01-Oct-13 A	29-Mar-14 A	
CD71210	EPA Start Date for Construction - CD SCADA RTU Upgrades	0 01-Oct-13 A		
CD10020	Construction - CD SCADA RTU Upgrades	133 01-Oct-13 A	10-Feb-14 A	
CD10100	Substantial 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	EPA Compliance Date for Construction - CD SCADA RTU Upgrades	0	29-Mar-14 A	
Project Administration		132 01-Oct-13 A	10-Feb-14 A	
CD85280	WASD Project Administration - CD SCADA RTU Upgrades	133 01-Oct-13 A	10-Feb-14 A	RTU Upgrades
2.29 High Strength	Influent Impact Study	497 12-Feb-13 A	24-Jun-14 A	Nuent Impact Study
Engineering Design		497 12-Feb-13 A	24-Jun-14 A	
CD71220	EPA Start Date for Engineering Study - CD High Strength Influent Study Impact	0 12-Feb-13 A		
CD10000	Engineering Study - CD High Strength Influent Study Impact	472 12-Feb-13 A	29-May-14 A	dy Impact th Influent Study Impact
CD10190	Substantial Completion (CD Compliance Date 6/24/14) - High Strength Influent Impact Study	0	29-May-14 A	
CD81820	EPA Compliance Date for Engineering Study - CD High Strength Influent Study Impact	0	24-Jun-14 A	ce Date 6/24/14) - High Strength Influent Impact Study
Project Administration		471 12-Feb-13 A	29-May-14 A	ng Study - CD. Alga Strength Influent. Study Impact
CD85290	WASD Project Administration - CD High Strength Influent Study Impact	471 12-Feb-13 A 472 12-Feb-13 A	29-May-14 A	
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Pre-Design	Dro Dooign CDM/W/TD Contractorio Traillers Cite Drop	168 05-Nov-15 A	21-Apr-16 A	
CD70000	Pre-Design - CDWWTP Contractor's Trailers Site Prep	169 05-Nov-15 A	21-Apr-16 A	Pre-Design - CDW.WTP. Contractor's Trailers. Site. Prep.
Engineering Design	Facility states - ODM/M/TD Ocasta state Testing Otto Data	200 22-Apr-16 A	08-Nov-16 A	V UOTOVITO A, crigitiering besign
CD70010	Engineering Design - CDWWTP Contractor's Trailers Site Prep	201 22-Apr-16 A	08-Nov-16 A	. Engineering Design'- CDWWTP Contractor's Trailers Site Prep.
Permitting		174 08-Nov-16 A	01-May-17 A	
CD80010	Florida Department of Health Permit - CDWWTP Contractor's Trailers Ste Prep	6 14-Dec-16 A	19-Dec-16 A	Florida Department of meatin, Permit - CDW Wilf Contractors Traters Ste Prep
CD80020	DERM Permit - CDWWTP Contractor's Trailers Site Prep	86 12-Dec-16 A	07-Mar-17 A	DERM Permit - CDWW TP Contractors Trailers Site Prep
CD70020	Permitting - CDWWTP Contractor's Trailers Site Prep	175 08-Nov-16 A	01-May-17 A	Permitting - CDWWTP Contractor's Trafiers Site Prep
CD84560	COM Permit - CDWWTP Contractor's Trailers Site Prep	77 14-Feb-17 A	01-May-17 A	COM Permit - CDWWTP Contractor's Trailers Ste Prep
Procurement		162 02-May-17 A	19-Oct-17 A	9 Oct-17 A, Procurement
CD84570	Design Documents Sent to Procurement - CDWWTP Contractor's Trailers Site Prep	0 02-May-17 A		◆ Design Documents Sent to Procurement - CDWWTP Contractor's Traters Site Prep
CD84580	Submit/Approve SBD Goals and Request to Advertise - CDWW TP Contractor's Trailers Site Prep	15 02-May-17 A	16-May-17 A	
CD84590	Advertise Bid Package - CDWWTP Contractor's Trailers Site Prep	0 17-May-17 A		◆ Advertise Bid Package - CDWWTP Contractor's Trailers Site Prep
CD84600	Bid Solicitation Period - CDWWTP Contractor's Trailers Site Prep	44 17-May-17 A	29-Jun-17 A	
CD84610	Bids Due - CDWWTP Contractor's Trailers Site Prep	0 30-Jun-17 A		♦ Bids Due + CDWWTP Contractor's Trailers Site P rep
CD84620	Bid Review Period - CDWWTP Contractor's Trailers Site Prep	60 30-Jun-17 A	28-Aug-17 A	
CD84630	Award Recommendation - CDWWTP Contractor's Trailers Site Prep	0 29-Aug-17 A		
CD70030	Procurement - CDWWTP Contractor's Trailers Site Prep	162 02-May-17 A	19-Oct-17 A	◆ Award Recommendation - CDWWTP Contractor's Trailers Site Prep
CD84640	Final Approvals - CDWW TP Contractor's Trailers Site Prep	43 29-Aug-17 A	19-Oct-17 A	Producernemic - CDW W IP Contractor's trailers Ste Prep
Construction		276 05-Feb-18 A	30-Jan-19	Final Approvals - CDWW TE Contractor's Trailers Site Prep.
CD84650	Contractor Notice to Proceed(NTP) - CDWWTP Contractor's Trailers Site Prep	0 05-Feb-18 A	00 001110	
CD70040	Construction - CDWWTP Contractor's Trailers Site Prep	90 05-Feb-18 A	12-Sep-18 A	Contractor Notice to Proceed(NTP) - CDWW:TP Contractor's Trailers Site Prep
CD84660	Substantial Completion - CDWWTP Contractor's Trailers Site Prep	0	12-Sep-18 A	
CD81910	Project Closeout - Contractor's Trailers Site Prep	30 13-Sep-18 A	· ·	Substantial Completion - Cowwwith Contractors Traters Site Prep
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Project Administration	WA SD Project Administration - Contractor's Trailers Site Prep	657 22-Apr-16 A	30-Jan-19	
CD85300		657 22-Apr-16 A 777 26-Feb-16 A	30-Jan-19 31-Aug-18 A	✓ WASD Project Administration - Contractor's Trailers:Site Prep.
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Pre-Design	Dro Dooigo - CD Tomoorov Electrical Ens th ing	575 26-Feb-16 A	22-Sep-17 A	
CD84840	Pre-Design - CD Temporary Electrical Facilities	575 26-Feb-16 A	22-Sep-17 A	. Pre-Design - CD Temporary Electrical Facilities ▼ 31-Aug-18 A, En gineering Design
Engineering Design		200 25-Sep-17 A		
CD84850	Engineering Design - CD Temporary Electrical Facilities	124 25-Sep-17 A		Engineering Design - CD Temporary Electrical Facilities
CD86410	Complete Master Plan - CD Temporary Electrical Facilities	0 13-Apr-18 A	31-Aug-18 A	Complete Master Plan - CD Temporary Electrical Facilities
2.SM CDWWTP Sto	ormwater Naster Plan	396 27-Jun-16 A	28-Jul-17 A	
Engineering Design		396 27-Jun-16 A	28-Jul-17 A	V 28-Jul-17 A, Engineering Design
CD80000	Develop Stormwater Master Plan	397 27-Jun-16 A	28-Jul-17 A	Develop Stormwater Master Plan
Project Administration		396 27-Jun-16 A	28-Jul-17 A	28-Jul-17 A, Project Administration
CD85320	WASD Project Administration - Develop Stormwater Master Plan	397 27-Jun-16 A	28-Jul-17 A	WASD.Project Administration - Develop Stormwater Master Plan
North District	WWTP	5271 20-Mar-13 A	24-Aug-27	
3.01 Headworks an	nd Sludge Degritting & Transfer	1867 20-Mar-13 A	30-Mar-19	30-Mar-19, 3.01; Headworks; and Sludge; Degritting & Transfer
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ND70790	EPA Start Date for Engineering Design - ND Headworks & Sludge Degritting	0 20-Mar-13 A		
ND10000	Engineering Design - ND Headworks & Sludge Degritting	479 20-Mar-13 A	11-Jul-14 A	Degritting
ND70320	EPA Compliance Date for Engineering Design - ND Headworks & Sludge Degritting	0	19-Sep-14 A	tworks & Sludge Degritting
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ND70800		0 11-Jul-14 A	05.0- 15.1	Headworks & Sludge Degritting
ND70330	EPA Compliance Date for Permitting - ND Headworks & Sludge Degritting**	0	05-Sep-15 A	ompliance pare for Permitting - ND readworks & Studge Degitting
ND10010	Permitting - ND Headworks & Sludge Degritting	477 11-Jun-14 A	30-Sep-15 A	
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ND11445	Owner Pre-Purchase - Procurement Electrical Equip ND Headworks & Sludge Degritting	71	04-Dec-14 A	12-Feb-15 A	e - Procurement Ele	ectrical Equi	p ND He	adworks &	Sludge De	egritting															
ND20850	Owner Pre-Purchase - Procurement Screens - ND Headworks & Sludge Degritting	95	04-Dec-14 A	08-Mar-15 A	se - Procurement S	creens - N	D Headwo	rks & Sludg	e Degrittin	g															
ND10050	Procurement - ND Headworks & Sludge Degritting	208	08-Apr-15 A	01-Nov-15 A	Procurement - ND H	leadworks &	& Sludge [egritting																	
D70340	EPA Compliance Date for Procurement - ND Headworks & Sludge Degritting	0		03-Dec-15 A	EPA Compliance Da	ate for Proc	urement -	ND Headwo	orks & Sluc	dae Dearitt	ting														
D11365	Owner Pre-Purchase/Fabricate/Deliver Screens - ND Headworks & Sludge Degritting	285	09-Mar-15 A	18-Dec-15 A	Owner Pre-Purcha	se/Fabricate	e/Deliver S	creens - NE	D Headwo	rks & Slud	lge Deg	aritting													
D20840	Owner Pre-Purchase - Fabricate/Deliver Electrical Equip ND Headworks & Sludge Degritting	981	13-Feb-15 A	15-Nov-16 A		Owner	Pre-Purcha	ise - Fabrica	ate/Deliver	Electrical		- ND Head	dwarks_8	Sludge_D	earitting										
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D21360	Contractor NTP - ND Headworks & Sludge Degritting	0		02-Nov-15 A	ntractor NTP - ND H	leadworks a	& Sludge I	Degritting																	
D70820	EPA Start Date for Construction - ND Headworks & Sludge Degritting	0	04-Dec-15 A		EPA Start Date for C	Construction	n - ND Hea	dworks & S	ludae Dea	urittina					1					1					
D71230	Milestone #1 - Commissioning of Electrical Annex - ND Headworks & Sludge Degritting	0		27-Dec-16 A				Commission			nex - NC	DHeadwo	orks & Slu	dae Dear	itina										
D10080	Construction Phase 1: Screens - ND Headworks & Sludge Degritting	576	02-Nov-15 A	30-May-17 A								Screens				Degritting	1								
D20830	Substantial Completion Phase 1/Milestone #2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0		30-May-17 A			Sub	tantial Com	anlation Dk		cotono	#2 (CD C	omplione		17/10)		- hwolten s	; e Elud	ao Dogrittir		1 1				
D10170	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	795	02-Nov-15 A	06-Dec-17 A			▼ Gub					Building I								iu					
D10340	Substantial Completion Phase 2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0		06-Dec-17 A		1 1		- Cult		1			- } ;	: :		: :		1	- I I		1 1	1			
D70350	EPA Compliance Date for Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	0		07-Apr-18 A				▼ Sut								: ;			e Degrittin						
D40280	Project Closeout - ND Headworks & Sludge Degritting	64	07-Dec-17 A	30-Mar-19*					◆ EPA (Complianc	ce Date								dworks & S	Sludge L	Jegritting				
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010090	Engineering Design - ND Primary Clarifiers & Odor Control	958	03-Sep-14 A	17-Apr-17 A			Engin	eering Desi	gn - ND Pr	rimary Clar	rifiers &	Odor Con	ntrol							ł		1			
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010210	Procurement - ND Primary Clarifiers & Odor Control	505	07-Feb-17 A	05-Dec-18 A								rement - N													
struction		2053	23-Aug-17 A	06-Apr-23			V																-06	Apr-23, C	ion
070860	EPA Start Date for Construction - ND Primary Clarifiers & Odor Control	0	03-Jun-18 A									Construct			Nobiliana (on the l			i.					
010270	Construction - ND Primary Clarifiers & Odor Control	1308	23-Aug-17 A	30-Aug-21						FA Statt L							Untion	-		<u> </u>	-	<u> </u>		struction	i - N
D71790	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0	0	30-Aug-21				1									-			_ <u>_</u>			<u> </u>	stantial C	
D70390	EPA Compliance Date for Construction - ND Primary Clarifiers & Odor Control	0		06-Apr-23*																					
	anisms for Primary Clarifiers #4 & 6	850	01-Dec-16 A	30-Mar-19		· · · · · · · · · · · · · · · · · · ·		<u></u>	<u></u>		i	30-Mar-	19. 3.02	(1) Repla	e Mech	anisms f	or Prima	arv Clai	ifiers #4.&	6				Complia	inc
Design		20	01-Dec-16 A	21-Dec-16 A		👿 21-De	-16 A. P	e-Design			· · · · · ·														
071280	Negotiate Scope and Cost of VFI Package (MWH) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	20	01-Dec-16 A	21-Dec-16 A																					
		36	22-Dec-16 A	27-Jan-17 A			tiate Scop -Jan-17 A	e and Cost Engineerin	of VELPac a Design	ckage_(MV	VH) - N	D Primary	Clarifiers	Replace	Mechan	isms #4	&.6)								
gineering Design 071250	Submit Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	23	22-Dec-16 A	13-Jan-17 A		1 1		1 1	1 1			1			i.	1		÷		÷		i i			
	Review Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	23	14-Jan-17 A	17-Jan-17 A		Sub	omit Draft	/FI Package	e - ND Prin	nary Clarifi	iers (Rej	place Med	chanism	\$ #4 & 6)											
071260						l Rev	<i>i</i> ew Draft	/FI Package	e - ND Prin	naryClarifi	iers (Re	place Me	chanism	s #4 & 6)											
D71470	Engineering Design - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	37	22-Dec-16 A	27-Jan-17 A		📼 En	gineering	Design - ND	Primary C	Clarifiers (R	Replace	Mechanis	sms #4 8	\$6)											
071270	Submit Final VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	10	18-Jan-17 A	27-Jan-17 A		L _Su	bmit Final	VFL Packag	e - ND Pri	mary Clari	fiers_(Re	eplace Me	echanism	s.#4.&.6)											
curement		205	30-Jan-17 A	23-Aug-17 A				23-Aug-17	A, Procur	ement															
D71380	Internal Bid Package Review - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	8	30-Jan-17 A	06-Feb-17 A		I Int	ternal Bid	Package Re	eview - ND	Primary C	Jarifiers	(Replace	Mechan	isms #4 &	6)										
D71290	Design Documents Sent to Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	07-Feb-17 A			♦ De	esign Docu	ments Sen	t to Proou	rement - N	VD Prim	ary Clarifie	ers (Repl	ace Mech	anisms #	4 & 6)									
071540	GMOU submittal and approval - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	21	30-Jan-17 A	19-Feb-17 A			MOU sub	nittal and a	approval + N	ND Primary	y Clarific	ers (Repla	ce Mech	, lanism's #4	4&6)	1				1	1	1			
071300	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers (Replace Mechanisms#4 & 6)	28	07-Feb-17 A	06-Mar-17 A		1 1	1	prove SBD	1.1.1	1	1 1	1 1	1		1	Mechar	isms#4	1 & 6)		1					
071310	Advertise Bid Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	07-Mar-17 A			- i i	i i	Bid Package	- i - i -	i i	1 1	i i	- i i	i i											
071320	Bid Solicitation Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	66	07-Mar-17 A	11-May-17 A		1 1		licitation Pe	1 1	1	1 1		1		6)	1		1		1	1	1			
071330	Bids Due - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	12-May-17 A					ue - ND Pri				1 I I I I I I I I I I I I I I I I I I I			~,					-					
071340	Bid Review Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	98	12-May-17 A	17-Aug-17 A				1 1							18.6)					÷					
071350	Award Recommendation - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0		17-Aug-17 A			1	Bid Review	1.1.1	1	1 1	1 1	1.1.1		1	6				1					
071360	Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	198	07-Feb-17 A	23-Aug-17 A			•	Award Rec				y Claritiers Primary C					6)								
071370	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	6	18-Aug-17 A	23-Aug-17 A								-								i					
	י אינער אינאיט (ערט אינאיט, אינאיט אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז ראש ראווינא אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז אינאיז א	585	•	23-Aug-17 A 30-Mar-19				Final Appr	ovals (BCC	C, Mayor, F	Risk Mg	mt) - ND 30-Mar-	Primary	Clarifiers (I	Replace.	Mechan	sms #4.	& 6)			· · · · · · · ·				
ostruction 071500	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)		23-Aug-17 A 23-Aug-17 A	50-Iviai-19							1														
			•	14 Eab 10			•	Contractor	Notice to	Proceed ((NTP) - I	ND Primar	ry Clarifie	rs (Replac	e Mecha	nisms #	4 & 6)						_		
071510	Construction - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	422	23-Aug-17 A	14-Feb-19							† – †										1		Cor	struction	- 1
71520	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	4551.15	14-Feb-19*							♦ \$	Substantia	al Comple	tion (CD C	Complian	ce Date	4/06/23	3) - ND	Primary Cla	arifiers (F	Replace N	/lechanis	ms #4 &	6)	
71800	Commissioning - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	14	15-Feb-19	28-Feb-19								Commissi	ioning - N	D Primary	⁷ Clarifiers	s (Repla	æ Mech	naņism	s #4 & 6)	Ì	1				
71530	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	30	01-Mar-19	30-Mar-19*		<u></u> i	<u></u> .	<u></u>	<u></u> .	<u></u>		Project (Closeout	- ND Prim	ary Clarit	liers (Re	olace Me	echani	sms #4 & (6)	.ļļ.				
ect Administration		696	22-Dec-16 A	30-Mar-19							1 1				1										
071730	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	696	22-Dec-16 A	30-Mar-19								WASD	Project A	dministrat	ion - ND	Primary	Clarifiers	s (Repl	ace Mecha 28	anisms.#	4 & 6)				
(2) Primary Clarifie	ers and Odor Control (Remaining Scope of Work)	2644	03-Sep-14 A	28-Nov-21															28	-Nov-21,	, 3.02 (2)	Primary (Clarifiers	and Odo	r Č
-Design		134	25-Mar-15 A	06-Aug-15 A	15 A, Pre-Design																				
D11375	Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	135	25-Mar-15 A	06-Aug-15 A	an (MWH) - ND Prin	nary Clarifie	rs & Odor	Control (Re	maining S	cope of M	(ork)														_
gineering Design		957	03-Sep-14 A	17-Apr-17 A	gn (MWH) - ND Phin		▼ 17+Apr-	17 A, Engin	neering De	sign							1								
020140	Basis of Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	330	03-Sep-14 A	29-Jul-15 A	Desigh Report (B&C) - ND Prim	ary Clarific	s & Odor C	Control (Ro	maining 9	Sone d	f Work)													
020150	30% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	127	06-Aug-15 A	10-Dec-15 A		1 1	1	1 1	1 1	1	I :	: :													
020011	30% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	21	11-Dec-15 A	31-Dec-15 A	30% Desian Submit	- i i		i i	- i - i -		1 1	i i													
020021	60% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	84	01-Jan-16 A	24-Mar-16 A	30% Design Revie			1 1												i					
					60% Design	- i i	1	1 1	- i - i -		1 1									Ì					
020031	60% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	11	25-Mar-16 A	04-Apr-16 A	🖡 60% Design	n Review - N						1									1	i i			
020040	100% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	353	05-Apr-16 A	23-Mar-17 A			100% De	sign Submit	ttal - ND P	rimary Cla	u <mark>f</mark> iers &	Odor Cor	ntrol (Rei	maining S	cope of \	Work)		1		1	1 1				
071430	Engineering Design - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	958	03-Sep-14 A	17-Apr-17 A																					

	cree Schedule - December 2018 Update	1		,	Baseline (By Phase) 15-Jan-19 13:15 - Page No. 37
y ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 01 02 02 04 02
ND40380	100% Design Review/Permit Ready Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	25	24-Mar-17 A	17-Apr-17 A	<u>A1 A2 A3 A4 A1 A3 A3 A4 A1 A2 A3 A4 A1 A3 A4 A1 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A1 A3 A3 A4 A3 A3 A4 A1 A3 A3 A3 A4 A1 A3 A3 A3 A4 A3 A3 A3 A3 A4 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3 A3 </u>
Permitting		733	25-Oct-15 A	10-Oct-17 A	
ND70280	FDEP Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	47	25-Oct-15 A	10-Dec-15 A	FDEP. Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND70290	RER Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	129	20-Jun-17 A	30-Jun-17 A	RER Permit - ND Frimary Claimers & Oddi Control (Remaining Scope of Work) RER Permit - ND Primary Claimers & Odor Control (Remaining Scope of Work)
ND70310	Fire Department Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	129	20-Jun-17 A	24-Aug-17 A	Fire Department Permit -IND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND71440	Permitting - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	733	25-Oct-15 A	10-Oct-17 A	Permitting - ND:Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND70300	City of North Miami Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	186	24-Apr-17 A	10-Oct-17 A	
Procurement		550	10-Jul-17 A	05-Dec-18 A	Citý of North Miami Pérmit - ND Primary Clarifiérs & Odor Control (Remaining Scope of Work).
ND71550	GMOU submittal and approval - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	22	10-Jul-17 A	31-Jul-17 A	GMOU submittal and approval - ND Primary Clarifiets & Odor Control (Remaining Scope of Work)
ND71480	Internal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	3	30-Oct-17 A	12-Nov-17 A	Internal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20880	Design Documents Sent to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	14-Dec-17 A		 Design Documents Sert to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20890	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Nov-17 A	08-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Od or Control (Remaining Scope of Work)
ND20900	Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	09-Feb-18 A		♦ Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20910	Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	34	09-Feb-18 A	20-May-18 A	Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20920	Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	21-May-18 A		♦ Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20930	Bid Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	19	21-May-18 A	12-Oct-18 A	Bio Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND20940	Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0		12-Oct-18 A	♦ Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)
ND71450	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	223	14-Dec-17 A	05-Dec-18 A	Procurement - ND Primary Claiffiers & Odor Control (Remaining Scope of Work)
ND20950	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Oct-18 A	05-Dec-18 A	
Construction		1058	06-Dec-18 A	28-Nov-21	Final Approvals. (BCC, Mayor, Risk Mgmt.) - ND Primary. Clarifiers. & Odor Control (Remaining Scope of Work).
ND10268	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers & Odor Control	0	06-Dec-18 A		Contractor Notice to Proceed (NTP) + ND Primary Clarifiers & Odor Control;
ND71460	Construction - ND Primary Clarifiers & Odor Control (Remaining Scope)	999	06-Dec-18 A	30-Aug-21	Construction - N
D71810	Commissioning - ND Primary Clarifiers & Odor Control	30	01-Aug-21	30-Aug-21*	Commissioning - ND Primary Clarifiers & Odor Control
ND10420	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0		30-Aug-21*	♦ Substantial Completion (CD Compliance Date 4/06/23)
ND40290	Project Closeout - ND Primary Clarifiers & Odor Control	90	31-Aug-21	28-Nov-21*	1
oject Administration		2483	03-Sep-14 A	28-Nov-21	Project Closéout - ND Prómary Clarifiers & Odor C 28-NoV-21, Project Administration
D21510	WASD Project Administration - ND Primary Clarifiers & Odor Control	2483	03-Sep-14 A	28-Nov-21	WASD Project Administration - ND Primary Clarift
3 Oxygenation Tr	Trains	3238	25-Apr-17 A	06-Mar-26	
e-Design		852	25-Apr-17 A	24-Aug-19	✓ 24-Aug-19, Pre-Design
D11385	Pre-Design (BODR) - ND Oxygenation Trains	150	21-Jul-17 A	01-Jun-18 A	Pre-Design (BODR) - ND Oxygenation Trains
D71620	Pre-Design (Tank #5 Rehab) - ND Oxygenation Trains	190	25-Apr-17 A	04-Oct-18 A	Pre Design (Tank #5 Rehab) - ND Oxygenation Trains
D71710	Pre-Design (Remaining Scope of Work) - ND Oxygenation Trains	150	28-Mar-19*	24-Aug-19	1 : : : : : : : : : : I : : : : : : : :
igineering Design		815	01-Jun-18 A	23-Aug-20	Pre-Désign (Remaining, Scope of Work) - ND Owdenation Trains.
ND70880	EPA Start Date for Engineering Design - ND Oxygenation Trains	0	01-Jan-19*		EPA Start Date for Engineering Design - ND Oxygenation Trains
ND20230	Basis of Design Report (BODR) - ND Oxygenation Trains	286	01-Jun-18 A	13-Mar-19	Basis of Design Report (BODR) - ND Oxygenation Trains
ND20240	BODR Review/Re-submittal - ND Oxygenation Trains	14	14-Mar-19	27-Mar-19	BODR Review/Re-submittal - ND Oxygenation Trans
D70400	EPA Compliance Date for Engineering Design - ND Oxygenation Trains	0		14-Oct-19*	 EPA Compliance Date for Engineering Design - ND Oxygenation Trains
D20250	30% Design Submittal - ND Oxygenation Trains	100	25-Aug-19	02-Dec-19	30% Design Submittal - ND Oxygenation Trains
D20260	30% Design Review - ND Oxygenation Trains	30	03-Dec-19	01-Jan-20	30% Design Review - ND Oxygenation Trains
D20270	60% Design Submittal - ND Oxygenation Trains	90	02-Jan-20	31-Mar-20	60% Design Submittal - ND Oxygenation Trains
D20280	60% Design Review - ND Oxygenation Trains	30	01-Apr-20	30-Apr-20	60% Design Review - ND Owgenation Trains
ND71650	Engineering Design (Tank #5 Rehab) - ND Oxygenation Trains	438	02-Apr-19	12-Jun-20	Engineering Design (Tank #5 Rehab) - ND Oxygenation Trains
ND20290	100% Design Submittal - ND Oxygenation Trains	75	01-May-20	14-Jul-20	100% Design Submittal - ND Oxygenation Trains
D10310	Engineering Design - ND Oxygenation Trains	815	01-Jun-18 A	23-Aug-20	
D40470	100% Design Review/Permit Ready Submittal - ND Oxygenation Trains	40	15-Jul-20	23-Aug-20	
ermitting		584	15-Oct-19	20-May-21	
ND70890	EPA Start Date for Permitting - ND Oxygenation Trains	0	15-Oct-19*		♦ EPA Start Date for Permitting - ND Oxygenation Trains
D71670	Permitting (Tank #5 Rehab) - ND Oxygenation Trains	90	13-Jun-20	10-Sep-20	PERA stant batelion Permitting (ND Oxydenation Trains Permitting (Tank #5 Rehab) - ND Oxydenation Trains
D70410	EPA Compliance Date for Permitting - ND Oxygenation Trains	0		13-Oct-20*	 Fernituling (rain #3 Rehab) - ND Oxydenation frains EPA Compliance Date for Permitting - ND Oxydenation Trains
D10350	Permitting - ND Oxygenation Trains	342	13-Jun-20	20-May-21	Permitting - ND Oxygenation Trains
D71660	Permitting (Remaining Scope of Work) - ND Oxygenation Trains	270	24-Aug-20	20-May-21	
ocurement		1705	19-Jun-17 A	17-Feb-22	Permitting (Remaining Scope of Work) - ND Ow/genation Tra
D71630	P.O. for Tank#5 Cleaning - ND Oxygenation Trains	196	19-Jun-17 A	01-Feb-19	P.O. for Tank #5 Cleaning - ND Oxygenation Trains
D70900	EPA Start Date for Procurement - ND Oxygenation Trains	0	14-Oct-20*		♦ EPA Start Date for Procurement -IND Oxygenation Trains
D71680	Procurement (Tank#5 Rehab) - ND Oxygenation Trains	120	11-Sep-20	08-Jan-21	Procurement (Tank #5 Rehab) - ND Oxygenation Trains
D71390	Internal Bid Package Review - ND Oxygenation Trains	3	21-May-21	23-May-21	I Internal Bid Package Review - ND Oxygenation Trains
D21200	Design Documents Sent to Procurement - ND Oxygenation Trains	0	24-May-21		■ Internal Bid Package Review - ND Oxydenation Trains ● Design Documents Sent to Procurement - ND Oxydenation Trains
D21210	Submit/Approve SBD Goals and Request to Advertise - ND Oxygenation Trains	60	24-May-21	22-Jul-21	✓ Design Documents Sent to Produrement - ND Oxydenation 1 Submit/Approve SBD Goals and Request to Advertise - N
D21220	Advertise Bid Package - ND Oxygenation Trans	0	23-Jul-21		Submit/Approve SBD Goals and Request to Adventse - In ♦ Advertise Bid Package - ND Oxygenation Trains
D21230	Bid Solicitation Period - ND Oxygenation Trains	60	23-Jul-21	20-Sep-21	Adventise Bid Package - ND Oxydenation Trains Bid Solicitation Period - ND Oxydenation Trains Bid Solicitation Period - ND Oxydenation Trains
D21240	Bids Due - ND Oxygenation Trains	0	21-Sep-21		Bid Solicitation Period - NU Coygenation Trains
D70420	EPA Compliance Date for Procurement - ND Oxygenation Trains	0	•	13-Oct-21*	
D21250	Bid Review Period - ND Oxygenation Trans	30	21-Sep-21	20-Oct-21	♦ EPA Compliance Date for Procurement - ND Oxyge
D21260	Award Recommendation - ND Oxygenation Trains	0	•	20-Oct-21	Bid Review Period - ND Oxygenation Trains
D10390	Procurement - ND Oxygenation Trains	270	24-May-21	17-Feb-22	Award Recommendation - ND Oxygenation Trains Procurement - ND Oxygenation Trains
D21270	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygenation Trains	120	21-Oct-21	17-Feb-22	1
nstruction	· · · · · · · · · · · · · · · · · · ·	2590	02-Feb-19	06-Mar-26	. Final Approvals (BCC, Mayor, Risk Mgmt.)
D71640	Cleaning of Tank #5 - ND Oxygenation Trains	150	02-Feb-19 02-Feb-19	01-Jul-19	
D71690	Construction (Tank #5 Rehab) - ND Oxygenation Trains	130	02-1 eb-19 09-Jan-21	08-May-21	Cleaning of Tank #5 - ND Oxygenation Trains
D70910	EPA Start Date for Construction - ND Oxygenation Trains	0	14-Oct-21*	50-Widy-21	Construction (Tank #5 Rehab) - ND Oxygenation Trains
ID10910	Contractor Notice to Proceed (NTP) - ND Oxygenation Trains	0	14-0cl-21 18-Feb-22		◆ EPA Start Date/for Construction - ND Oxygenation T
		005		22 Mov 24	◆ Contractor Notice to Proceed (NTP) - ND O
ND10430	Construction - ND Oxygenation Trains	825	18-Feb-22	22-May-24	
	Construction (Remaining Scope of Work) - ND Oxygenation Trains	825	18-Feb-22	22-May-24	
ID71700				22-May-24	

	Pree Schedule - December 2018 Update				aseline (By Phase)			15-Jan-19 13:15 - Page No. 3
	Activity Name	Original Duration	Start	Finish	2016 2017 01 02 03 04 01 02 03 04	2018	2019 2020 01 02 03 04 01 02 03 04 0	2021 2022 2023 I Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q4 Q1 Q2 Q3 Q4 Q4 Q1 Q2 Q3 Q4 Q4 Q4 Q4 Q2 Q3 Q4 Q4 Q4 Q3 Q4 Q4 <td< th=""></td<>
D10510	Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygenation Trains	0		22-May-24*				
ID40300	Project Closeout - ND Oxygenation Trains	90	23-May-24	20-Aug-24*				
ID70430	EPA Compliance Date for Construction - ND Oxygenation Trains	0	20 may 21	06-Mar-26*				
oject Administration		2273	01-Jun-18 A	20-Aug-24				
D21520	WASD Project Administration - ND Oxygenation Trains	2273		20-Aug-24				
		3151	21-Jul-17 A	06-Mar-26				
4 Oxygen Produ							▼ 24-Aug-19, Pre-Design	
e-Design		765		24-Aug-19			24-Aug-19, Fie-Design	
ID70750	Pre-Design (BODR) - ND Oxygen Production	150		01-Jun-18 A		Pre-Design	(BODR) - ND Oxygen Production	
ID71720	Pre-Design (Remaining Scope of Work) - ND Oxygen Production	150	28-Mar-19*	24-Aug-19			Pre-Design (Remaining Scope of V	(ork) - ND_Oxygen Production
gineering Design		898	01-Jun-18 A	17-Dec-20			1/	-Dec-20, Engineering Design
D20160	Basis of Design Report (BODR) - ND Oxygen Production	286	01-Jun-18 A	13-Mar-19			Basis of Design Report (BODR) - ND Oxygen F	Production
D20170	BODR Review/Re-submittal - ND Oxygen Production	14	14-Mar-19	27-Mar-19			BODR Review/Re-submittal - ND Oxygen Proc	
020180	30% Design Submittal - ND Oxygen Production	100	25-Aug-19	02-Dec-19			30% Design Submittal - ND	
020190	30% Design Review - ND Oxygen Production	30	03-Dec-19	01-Jan-20	1		□ 30% Design Review - ND 0	
20200	60% Design Submittal - ND Oxygen Production	90	02-Jan-20	31-Mar-20				
070920	EPA Start Date for Engineering Design - ND Oxygen Production	0	01-Apr-20*					tal - ND Oxygen Production
			· ·	20 Apr 20				ngineering Design - ND Oxygen Production
20210	60% Design Review - ND Oxygen Production	30	•	30-Apr-20			🗖 60% Desian Revie	w - ND Oxvaen Production
20310	100% Design Submittal - ND Oxygen Production	75	01-May-20	14-Jul-20				Submittal - ND Oxygen Production
010370	Engineering Design - ND Oxygen Production	815		23-Aug-20			Er	giheering Design - ND Oxygen Production
40480	100% Design Review/Permit Ready - ND Oxygen Production	40	15-Jul-20	23-Aug-20			🔲 100% Des	ign Review/Permit Ready - ND Oxygen Production
070440	EPA Compliance Date for Engineering Design - ND Oxygen Production	0		17-Dec-20*				
mitting		481	24-Aug-20	17-Dec-21				A Compliance Date for Engineering Design ND Okygen Production . 17-Dec-21, Permitting
070940	EPA Start Date for Permitting - ND Oxygen Production	0	18-Dec-20*		1			A Start Date for Permitting - ND Oxygen Production
010400	Permitting - ND Oxygen Production	270	24-Aug-20	20-May-21	1			Permitting - ND Oxygen Production
70450	EPA Compliance Date for Permitting - ND Oxygen Production	0	<u> </u>	17-Dec-21*				
urement		576	21-May-21	17-Dec-22	┟∲∲∲∲∲∲∲			EPA Compliance Date for Permitting - ND Oxyce 17-Dec-22, Procurement
71400	Internal Bid Package Review - ND Oxygen Production	310		23-May-21				
21280	Design Documents Sent to Procurement - ND Oxygen Production	3	21-May-21 24-May-21	23-1viay-21				Internal Bid Package Review - ND Oxygen Production
		0						Design Documents Sent to Procurement - ND Oxygen Produc
21290	Submit/Approve SBD Goals and Request to Advertise - ND Oxygen Production	60	24-May-21	22-Jul-21				Submit/Approve SBD Goals and Request to Advertise - NC
21300	Advertise Bid Package - ND Oxygen Production	0	23-Jul-21					Advertise Bid Package - ND Oxygen Production
21310	Bid Solicitation Period - ND Oxygen Production	60	23-Jul-21	20-Sep-21				Bid Solicitation Period - ND Oxygen Production
21320	Bids Due - ND Oxygen Production	0	21-Sep-21		1			Bids Due - ND Oxygen Production
21330	Bid Review Period - ND Oxygen Production	30	21-Sep-21	20-Oct-21				
21340	Award Recommendation - ND Oxygen Production	0	•	20-Oct-21				Bid Review Period - ND Oxygen Production
070930	EPA Start Date for Procurement - ND Oxygen Production	0	18-Dec-21*					Award Recommendation - ND Oxygen Production
		070		17 E-1 00				EPA Start Date for Procurement - ND Oxygen Pr
010450	Procurement - ND Oxygen Production	270	,	17-Feb-22				Procurement - ND Oxyg
21350	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygen Production	120	21-Oct-21	17-Feb-22				Final Approvals (BCC, Mayor, Risk Mgmt.) - 1
070460	EPA Compliance Date for Procurement - ND Oxygen Production	0		17-Dec-22*				EPA Compliance Date f
struction		1478	18-Feb-22	06-Mar-26				
D10488	Contractor Notice to Proceed (NTP) - ND Oxygen Production	0	18-Feb-22					 Contractor Notice to Proceed (NTP) - ND Ox
070950	EPA Start Date for Construction - ND Oxygen Production	0	18-Dec-22*					EPA Start Date for Con
010490	Construction - ND Oxygen Production	825	18-Feb-22	22-May-24	1			
D71830	Commissioning - ND Oxygen Production	30	23-Apr-24	22-May-24				
010500	Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygen Production	0		22-May-24*				
240310	Project Closeout - ND Oxygen Production	90	23-May-24	20-Aug-24*				
		30	23-101dy-24	-				
70470	EPA Compliance Date for Construction - ND Oxygen Production	0		06-Mar-26*		<u></u>	<u>.</u>	
ect Administration		2273		20-Aug-24				
21530	WASD Project Administration - ND Oxygen Production	2273		20-Aug-24				
Secondary Cla	rifiers	4842	23-May-14 A	24-Aug-27				
neering Design		2269	28-Aug-14 A	12-Nov-20			▼ 12-N	ov 20, Engineering Design
10300	Engineering Design - ND Secondary Clarifiers	925	-	09-Mar-17 A			Enai	neering Design - ND Secondary Clarifiers
70960	EPA Start Date for Engineering Design - ND Secondary Clarifiers	0	31-Dec-18*				EPA Start Date for Engineering Design - ND Secon	
70480	EPA Compliance Date for Engineering Design - ND Secondary Clarifiers	0		12-Nov-20*				
hitting		2238	27-Mar-15 A	11-May-21		· · · · · · · · · · · · · · · · · · ·		Compliance Date for Engineering Design - ND Secondary Clarifiers
10360	Permitting - ND Secondary Clarifiers	945		10-Oct-17 A				Permitting - ND Secondary Clarifiers
70970	EPA Start Date for Permitting - ND Secondary Clarifiers	343						
		0	131101420	44 M 04*			♦ EPA	Start Date for Permitting - ND Secondary Clarifiers
70490	EPA Compliance Date for Permitting - ND Secondary Clarifiers	0		11-May-21*		<u> </u>		
curement		2683		05-Feb-22				
10410	Procurement - ND Secondary Clarifiers	1393	03-Oct-14 A	16-Dec-18 A				Procurement - ND Secondary Clarifiers
70980	EPA Start Date for Procurement - ND Secondary Clarifiers	0	06-Feb-21*					EPA Start Date for Procurement - ND Secondary Clarifiers
70500	EPA Compliance Date for Procurement - ND Secondary Clarifiers	0		05-Feb-22*				EPA Compliance Date for:Procurement - ND.
struction		4601	19-Jan-15 A	24-Aug-27				
70990	EPA Start Date for Construction - ND Secondary Clarifies	0	01-Dec-18 A				EPA Start Date for Construction - ND Secondary Clari	fiers
10470	Construction - ND Secondary Clarifiers	3311	19-Jan-15 A	14-Oct-22				
10520	Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers	0		14-Oct-22*				
70510	EPA Compliance Date for Construction - ND Secondary Clarifiers	0		24-Aug-27*	1			 Substantial Completion (CE
		-		•		A. 3.05 (1) Secondary	Claiifiels (Replace Mechanisms #1-10	- +
•	Clarifiers (Replace Mechanisms #1-10		28-Aug-14 A	29-Jun-17 A				-+
neering Design		281	-	05-Jun-15 A	, Engineering Design			
20030	Engineering Design (BODR) - Replace Mechanisms #3, 6 & 8	142	-	16-Jan-15 A	ODR) - Replace Mechanisms #3, 6 & 8			
20690	Engineering Design (BODR) - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	122	04-Feb-15 A	05-Jun-15 A	Design (BODR) - Replace Mechanisms #1, 2, 4, p-15 A, Procurement	5.7.9.8.10		
urement		353	03-Oct-14 A	21-Sep-15 A	p-15 A, Procurement	······································		
	Procurement - Replace Mechanisms #3, 6 & 8	106	03-Oct-14 A	16-Jan-15 A	e Mechanisms #3, 6 & 8			
20050			0451454					
20050 20700	Procurement - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	230	04-Feb-15 A	21-Sep-15 A	tromant Danloop Machine and 14 0 4 5 7 0	9 10		
	Procurement - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	230		21-Sep-15 A 29-Jun-17 A	rement - Replace Mechanisms #1, 2, 4, 5, 7, 9, 29-Jun-17	& 10 A, Construction		

ISD Consent Deci	ree Schedule - December 2018 Update	Original	Stand	Finish	Baseline (By Phase) 15-Jan-19 13:15 - Page No. 39 of 2016 2017 2018 2020 2021 2022 2023 20					
		Original Duration	Start	FINISN	2016 2017 2018 2019 2020 2021 2022 2023 2023 Q1 Q2 Q3 Q4 ND20710	Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	556	22-Sep-15 A	30-Mar-17 A	Construction - Replaced Mechanismis #1, 2, 4, 5, 7, 9, & 10
ND20070	Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10	0		30-Mar-17 A	 ♦ Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10 					
ND70730	Project Closeout - Replace Mechanisms #1-10	212	31-Mar-17 A	29-Jun-17 A	Project Claseout - Replace Mechanisms #1-10 29-Jun-17/A, Project Administration					
Project Administration ND21540	WASD Project Administration - Replace Mechanisms #1-10	1158 1158	28-Aug-14 A 28-Aug-14 A	29-Jun-17 A 29-Jun-17 A	┫ : : : : : : : : : : : : : : : : : : :					
	Jarifiers (Remaining Scope of Work)	3642	-	15-Nov-22	WASD Project Administration - Replace Mechanisms #1-10/					
Pre-Design		97	23-May-14 A	27-Aug-14 A						
ND11405	Pre-Design - ND Secondary Clarifiers (Remaining Scope)	97	23-May-14 A	27-Aug-14 A	rifiers: (Remaining Scope)					
Engineering Design	Dania of Denira Denat (DODD) ND Consular (Claffiers	924	28-Aug-14 A	09-Mar-17 A	09-Mar-17 A, Engineering Desgn					
ND20320 ND20330	Basis of Design Report (BODR) - ND Secondary Clarifiers Negotiate Scope & Cost with MWH - ND Secondary Clarifiers (Remaining Scope)	216 233	28-Aug-14 A 23-Feb-15 A	31-Mar-15 A 13-Oct-15 A	Report (BODR) - ND Secondary Clarifiers					
ND20335	Issue Task Authorization - ND Secondary Clarifiers (Remaining Scope)	0	18-Dec-15 A		otiate Scope & Cost with MWH - ND Secondary (Clarifiers (Remaining Scope)					
ND20340	30% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	161	18-Dec-15 A	26-May-16 A	Issue Task Autholization - ND/Secondary Clarifiers (Remaining Scope) 30% Design Submittal - ND Secondary Clarifiers (Remaining Scope)					
ND20350	30% Design Review - ND Secondary Clarifiers (Remaining Scope)	7	27-May-16 A	02-Jun-16 A	30% Design Review - ND Secondary Clarifiers (Remaining Scope)					
ND20360	60% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	147	03-Jun-16 A	27-Oct-16 A	60% Design Submittal - ND Secondary Clarifiers (Remaining Scope)					
ND20370	60% Design Review - ND Secondary Clarifiers (Remaining Scope)	12		08-Nov-16 A	60% Design Review, - ND Secondary Clarifiers (Remaining Scope)					
ND20380 ND20090	100% Design Submittal - ND Secondary Clarifiers (Remaining Scope) Engineering Design - ND Secondary Clarifiers (Remaining Scope)	93	09-Nov-16 A 28-Aug-14 A	09-Feb-17 A 09-Mar-17 A	100% Design Submittal - ND Secondary Cla <mark>i</mark> fiers (Remaining Scope)					
ND40490	100% Design Review/Permit Ready Submittal - ND Secondary Clarifiers (Remaining Scope)	923	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 Secondary Claritiers (Remaining Scope);					
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 Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	23-Jun-17 A	RER Permit - ND Secondary Clarifiers (Remaining Scope)					
ND70270	Fire 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 ND70260	Permitting - ND Secondary Clarifiers (Remaining Scope)	945	27-Mar-15 A	10-Oct-17 A 10-Oct-17 A	Permitting - ND Secondary Clarifiers (Remaining Scope)					
Procurement	City of North Miami Permit - ND Secondary Clarifiers (Remaining Scope)	186 586	24-Apr-17 A 26-May-17 A	16-Dec-18 A	City of North Miami Permit - ND Secondary Clarifiers (Remaining Scope)					
ND71560	GMOU submittal and approval - ND Secondary Clarifiers (Remaining Scope)		26-May-17 A	15-Jun-17 A	GMQU submittal and approval - ND Secondary Clarifiers (Remaining Scope)					
ND71410	Internal Bid Package Review - ND Secondary Clarifiers (Remaining Scope)	14	08-Nov-17 A	14-Dec-17 A	 Internal Bid Package Review - ND Secondary Clarifiers (Remaining Scope) 					
ND20960	Design Documents Sent to Procurement - ND Secondary Clarifiers (Remaining Scope)	0	15-Dec-17 A		◆ Design Documents Sert to Procurement - ND Secondary Clarifiers (Remaining Scope)					
ND20970	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)	60		21-Feb-18 A	Submit/Approve SBD Goals and Request to Adventise - ND Secondary Claffiers (Remaining Scope)					
ND20980	Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)	0	22-Feb-18 A	26 Apr 18 A	Advertise Bid Package - ND Secondary Clatifiers (Remaining Scope)					
ND20990 ND21000	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope) Bids Due - ND Secondary Clarifiers (Remaining Scope)	37	22-Feb-18 A 27-Apr-18 A	26-Apr-18 A	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope)					
ND21010	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)	30	27-Apr-18 A	02-Oct-18 A	♦ Bids Dué - ND Secondary Clarifiers (Remaining Scope)					
ND21020	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)	0		02-Oct-18 A	Bid Review Period - ND Secondary Clarifiers (Remaining Scope) Award Recommendation - ND Secondary Clarifiers (Remaining Scope)					
ND20110	Procurement - ND Secondary Clarifiers (Remaining Scope)	256	15-Dec-17 A	16-Dec-18 A	Procurement - ND Secondary Clarifiers (Remaining Scope)					
ND21030	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)	60	03-Oct-18 A	16-Dec-18 A	Final Approvals (BCC, Mayor Bisk Month) - ND Secondary Clarifiers (Remaining Scope)					
Construction		1396	20-Dec-18 A	15-Nov-22	▼ 15-Nov-22, Construction					
ND20118 ND20120	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope) Construction - ND Secondary Clarifiers (Remaining Scope)	1395	20-Dec-18 A 20-Dec-18 A	14-Oct-22	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)					
ND71840	Commissioning - ND Secondary Clarifiers	30	15-Sep-22	14-Oct-22	Cohstruction - ND Secondary C					
ND20130	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)	0		14-Oct-22*	□ Commissioning - ND \$econdary ♦ 3.05 (2) \$ubstantial Completion					
ND40320	Project Closeout - ND Secondary Clarifiers	32	15-Oct-22	15-Nov-22*						
Project Administration		3545		15-Nov-22	Project Closeiout - ND Second T5-Nov22, Project Administra					
ND21550	WASD Project Administration - ND Secondary Clarifiers	3545	28-Aug-14 A	15-Nov-22	V02-Oct-20, 3.06 Disinfection					
06 Disinfection		2357	21-Apr-14 A	02-Oct-20	, Pre-Design					
Pre-Design ND20010	Pre-Design - ND Disinfection	114 115	16-Feb-15 A 16-Feb-15 A	10-Jun-15 A 10-Jun-15 A						
Engineering Design		1081	21-Apr-14 A	06-Apr-17 A	ND Disinfection 06-Apr-17.A, Engineeting Design					
ND20000	Review 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 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	Engineering Design - ND Disinfection	826	21-Apr-14 A	24-Jul-16 A	Engineering Design - ND Disinfection					
ND71000 ND70520	EPA Start Date for Engineering Design - ND Disinfection EPA Compliance Date for Engineering Design - ND Disinfection	0	01-Feb-17 A	06-Apr-17 A	◆ EPA Start Date for Engineering Design - ND Disinfection					
Permitting	EPA compliance Date for Engineering Design - ND Disinfection	901	25-Jul-16 A	31-Jan-19	EPA Compliance Date for Engineering Design - ND Disinfection 31-Jan-19, Permitting					
ND70770	City of N. Miami Permit - ND Disinfection	22	25-Jul-16 A	15-Aug-16 A	City of N. Miami Permit - ND Disinfection					
ND71010	EPA Start Date for Permitting - ND Disinfection	0	07-Apr-17 A		 EPA Start Date for Permitting - ND Disinfection 					
ND70780	DERM Permit - ND Disinfection	443	15-Aug-16 A	22-Nov-17 A	DERM Permit - ND Disinfection					
ND70530	EPA Compliance Date for Permitting - ND Disinfection	0		06-Apr-18 A	EPA Compliance Date for Permitting - ND Disinfection					
ND71880	FDEP Permit - ND Disinfection	43	31-Oct-18 A	13-Nov-18 A						
ND10200 ND71870	Permitting - ND Disinfection	464	25-Jul-16 A	31-Jan-19 31-Jan-19	Permitting - ND Disinfection					
Procurement	Bldg Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection	112 611	23-Aug-18 A 04-Aug-17 A	06-Apr-19	Bldg Dept, RER, Fire Dept:- City of North Miami Permit - ND Disinfection					
ND71590	GMOU submittal and approval - ND Disinfection	26	04-Aug-17 A 04-Aug-17 A	29-Aug-17 A	GMOU submittal and approval - ND Disinfection					
ND71420	Internal Bid Package Review - ND Disinfection	28	09-Aug-17 A	05-Sep-17 A	GMOU submittal and approval - ND Disinfection					
ND21040	Design Documents Sent to Procurement - ND Disinfection	0	21-Nov-17 A		♦ Design Documents Sent to Procurement - ND Disinfection					
ND21050	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection	60	05-Oct-17 A	04-Jan-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection					
ND21060	Advertise Bid Package - ND Disinfection	0	05-Jan-18 A		♦ Advertise Bid Páckage - ND Disinféction					
ND21070	Bid Solicitation Period - ND Disinfection	60		07-Mar-18 A	Bid Splicitation Period - ND Disinfection					
ND21080	Bids Due - ND Disinfection	0	08-Mar-18 A		➡ Bids Due - IND Disnfection					
ND71020	EPA Start Date for Procurement - ND Disinfection	0	07-Apr-18 A	30 40 40 4						
ND21090	Bid Review Period - ND Disinfection	30	08-Mar-18 A	30-Aug-18 A 30-Aug-18 A	Bid Review Period - ND Disinfection					
ND21100	Award Recommendation - ND Disinfection	1 11			♦ 'Award Recommendation' - ND Disinféction					

D	Activity Name	Original	Start	Finish	2016	2017	2018	2019 2020 2021 2022 2023
		Duration						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
ND21110	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Disinfection	71	31-Aug-18 A	10-Sep-18 A			I Final	Approvals (BCC, Mavor, Risk Mgmt.) - ND Disinfection
ND70540	EPA Compliance Date for Procurement - ND Disinfection	0		06-Apr-19*		·····		◆ EPA Compliance Date for Procurement - ND Disinfection 02-0ct-20, Construction
Construction ND10328	Contractor Notice to Proceed (NTP) - ND Disinfection	610	01-Feb-19 01-Feb-19	02-Oct-20				
ND71030	EPA Start Date for Construction - ND Disinfection	0	07-Apr-19*		_			◆ Contractor Notice to Proceed (NTP) - ND Disinfection
ND10330	Construction - ND Disinfection	520	01-Feb-19	04-Jul-20				EPA Start Date for Construction - ND Disinfection Construction - ND Disinfection
ND71850	Commissioning - ND Disinfection	30	05-Jun-20	04-Jul-20				Commissioning - ND Disinfection
ND10380	Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection	0		04-Jul-20*				 Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection
ND70550	EPA Compliance Date for Construction - ND Disinfection	0		09-Sep-20*				 EPA Compliance Date for Construction - ND Disinfection
ND40330	Project Closeout - ND Disinfection	90	05-Jul-20	02-Oct-20*				Project Closeout - ND Disinflaction
Project Administration		1735	11-Jun-15 A	02-Oct-20				02-Oct-20, Project Administration
ND21560	WASD Project Administration - ND Disinfection	1735	11-Jun-15 A	02-Oct-20	· · · ·		· · · · · · · · · · · · · · · · · · ·	WASD Project Administration - ND Disinfection : 28-Dec-21, 3.07; Effluent Disposal
07 Effluent Dispo	Sal	2868	21-Feb-14 A	28-Dec-21	Design			
Pre-Design ND11415	2 - Pre-Design - ND Ocean Outfall Pump Station	145 146	06-Oct-14 A 06-Oct-14 A	28-Feb-15 A 28-Feb-15 A				
Engineering Design		825	09-Jul-14 A	12-Sep-16 A	Ocean Outfall Pump S	station ep-16 A, Engineering	Design	
ND20780	1b - Engineering Design - DIW Pump Station Electrical	119	09-Jul-14 A	06-Oct-14 A	V Pump Station Electric	1 1 1		
ND10120	Engineering Design (Summary) - ND Effluent Disposal	431	09-Jul-14 A	16-Oct-15 A			nary) - ND Effluent Disposa	
ND20730	1a - Engineering Design - DIW Pump Station Mechanical	431	12-Aug-14 A	16-Oct-15 A	Engineering Design - [DW Pump Station Me	chanical	
ND71040	EPA Start Date for Engineering Design - ND Effluent Disposal	0	01-Dec-15 A			neering Design - ND E		
ND70560	EPA Compliance Date for Engineering Design - ND Effluent Disposal	0		12-Sep-16 A			Engineering Design - ND Ef	fluent Disposal
Permitting	1b Domiting DW/ Dump Station Electrical	1775	17-Feb-15 A	27-Dec-19				27-Dec-19, Permitting
ND20790	1b - Permitting - DW Pump Station Electrical Permitting (Summan) - ND Effluent Disparal	31	17-Feb-15 A 17-Feb-15 A	19-Mar-15 A 04-Dec-15 A	W Pump Station Elect	ncal		
ND10140 ND20740	Permitting (Summary) - ND Effluent Disposal 1a - Permitting - DIW Pump Station Mechanical	291	12-May-15 A	04-Dec-15 A 04-Dec-15 A	-			Permitting (Summary) - ND Effluent Disposal
ND71050	EPA Start Date for Permitting - ND Effluent Disposal	0	13-Sep-16 A	04-060-13 A		ump Station Mechanic		
ND70570	EPA Compliance Date for Permitting - ND Effluent Disposal	0		27-Dec-19*	● EPA	Start Date for Permitt	ing - ND Effluent Disposal	
Procurement		2268	21-Feb-14 A	07-May-20				EPA Compliance Date for Permitting - ND Effluent Disposal O7-May:20, Procurement
ND20800	1b - Procurement - DIW Pump Station Electrical	110	21-Feb-14 A	10-Jun-14 A	n Electrical			
ND11425	1b - Owner Pre-Purchase Elect. Equip DIW Pump Station Electrical	586	10-May-14 A	16-Dec-15 A		se Elect. Equip DW	Pump Station Electrical	
ND21120	1a - Design Documents Sent to Procurement - DIW Pump Station Mechanical	0	06-May-16 A				ocutement - DIW Pump Sta	ton Mechanical
ND21130	1a - Submit/Approve SBD Goals and Request to Advertise - DW Pump Station Mechanical	28	06-May-16 A	02-Jun-16 A		and the second second second second second second second second second second second second second second second		DW Pump Station Mechanical
ND21140	1a - Adventise Bid Package - DW Pump Station Mechanical	0	03-Jun-16 A		♦ 1a - Adverti	se Bid Package - DiW	Pump Station Mechanical	
ND21150	1a - Bid Solicitation Period - DIW Pump Station Mechanical	41	03-Jun-16 A	13-Jul-16 A	🗖 1a-Bid	Solicitation Period - DI	W Pump Station Mechanic	
ND21160	1a - Bids Due - DW Pump Station Mechanical	0	14-Jul-16 A		♦ 1a - Bids	Due - DIW Pump Sta	tion Mechanical	
ND21170	1a - Bid Review Period - DW Pump Station Mechanical	50	14-Jul-16 A	01-Sep-16 A	🗖 1a - E	Bid Review Period - DN	N Pump Station Mechanica	
ND21180 ND20750	1a - Award Recommendation - DIW Pump Station Mechanical 1a - Procurement - DIW Pump Station Mechanical	165	06-May-16 A	01-Sep-16 A 17-Oct-16 A	- i i i	i i i i	on - DIW Pump Station Me	chanical
ND21190	1a - Final Approvals (BCC, Mayor, Risk Mgmt.) - DIW Pump Station Mechanical	46	02-Sep-16 A	17-Oct-16 A			Pump Station Mechanical	
ND10230	Procurement (Summary) - ND Effluent Disposal	970	21-Feb-14 A	17-Oct-16 A	1a	a - Final App rovals (BC	C, Mayor, Risk Mgmt.) - DM	Procurement (Summary) - ND Effluent Disposal
ND71060	EPA Start Date for Procurement- ND Effluent Disposal	0	13-Sep-17 A				PA Start Date for Produreme	
ND70580	EPA Compliance Date for Procurement - ND Effluent Disposal	0	•	07-May-20*			PA Start Date for Produlerne	
Construction		2585	01-Dec-14 A	28-Dec-21				 EPA Compliance Date for Procurement - ND Effluent Disposal 28-Dec-21, Construction
ND11345	2 - Construction - ND Ocean Outfall Pump Station	96	01-Dec-14 A	06-Mar-15 A	D 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 Complianc	e Date 12/28/21) - ND	Ocean Outfall Pump Statio	on la la la la la la la la la la la la la
ND20810	1b - Construction - DW Pump Station Electrical	317	18-Feb-15 A	31-Dec-15 A	1b - Construction - DIV	N Pump Station Elect	rical	
ND20820	1b - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Electrical	0	40.0-440.4	31-Dec-15 A	1b - Substantial Com	eletion (CD Complianc	e Date 12/28/21) - DIW Pur	mp Station Electrical
ND20758	1a - Contractor Notice to Proceed (NTP) - DIW Pump Station Mechanical	0	18-Oct-16 A	00 km 40 A	♦ 1a	a - Contractor Notice to	Proceed (NTP) - DW, Pum	p Station Mechanical
ND20760 ND10460	1a - Construction - DIW Pump Station Mechanical Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal	609	18-Oct-16 A	29-Jun-18 A 29-Jun-18 A	_			truction - DM Pump Station Mechanical
ND10458	1a - Substantial Completion (CD Compliance Date 12/28/21) - IDW Pump Station Mechanical	0		29-Jun-18 A	-			al Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal
ND10280	Construction (Summary) - ND Effluent Disposal	1217	18-Feb-15 A	18-Jul-18 A			◆ 1a - Subs	tantial Completion (CD Compliance Date 12/28/21) - DW Pump Station Mechanical Construction (Summary) - ND Effluent Disposal
ND40340	Project Closeout - DW Pump Station Mechanical	90	29-Jun-18 A	28-Feb-19*				Project Closeout - DIW Pump Station Mechanical
ND71070	EPA Start Date for Construction - ND Effluent Disposal	0	08-May-20*					Project Closeout - DIW Pump Station Mechanical ♦ EPA Start Date for Construction - ND Effluent Disposal
ND70590	EPA Compliance Date for Construction - ND Effluent Disposal	0		28-Dec-21*	1			♦ EPA Compliance Date for Construction - ND Eff
Project Administration		1560	09-Jul-14 A	28-Feb-19				28-Feb-19, Project Administration
ND21570	WASD Project Administration - DIW Pump Station Electrical	1560	09-Jul-14 A	28-Feb-19		· · · · · ·	······································	WASD Project Administration -: DW. Pump Station Electrical
8 Plant Wide Ele	ctrical	3044	21-Apr-14 A	20-Aug-22			B	v 20-Aug 22, 3.08 Plant Wide El
ingineering Design	EDA Clast Data for Engine arise Datase - NO Disc (14/2) - Firster - I	1924	21-Apr-14 A	20-Jan-17 A		▼ 20-Jan-17 A, Eng	ineering pesign	
ND71080	EPA Start Date for Engineering Design - ND Plant Wide Electrical	0	21-Apr-14 A	05 hm 45 A	ND Plant Wide Electric			
ND10040 ND70600	Engineering Design - ND Plant Wide Electrical EPA Compliance Date for Engineering Design - ND Plant Wide Electrical**	1914	01-May-14 A	05-Jun-15 A 20-Jan-17 A	-		gn - ND Plant Wide Electrica	
ermitting	En A compliance pare for Engineering Desgin - ND Flahr White Electrical	1810	01-May-15 A	20-Jan-17 A 31-Dec-18		• EPA Compliance	Date for Engineering Desig	n - ND Plant Wide Electrical** 31-Dec-18, Permitting;
vD71090	EPA Start Date for Permitting - ND Plant Wide Electrical	0	21-Jan-17 A	01-060-10				
D70610	EPA Compliance Date for Permitting - ND Plant Wide Electrical	0		20-Jan-18 A	1		r Permitting - ND Plant Wid	
D10180	Permitting - ND Plant Wide Electrical	1819	01-May-15 A	31-Dec-18				te for Permitting - ND Plant Wide Electrical Permitting - ND Plant Wide Electrical
ocurement		2142	12-Mar-15 A	12-Sep-19				12-Sep-19, Procurement
ND71100	EPA Start Date for Procurement - ND Plant Wide Electrical	0	21-Jan-18 A				EPA Start Date for P	ocurement - ND Plant Wide Electrical
ND70620	EPA Compliance Date for Procurement - ND Plant Wide Electrical	0		20-Jan-19*				♦ EPA Compliance Date for Procurement - ND Plant Wide Electrical
ND10250	Procurement - ND Plant Wide Electrical	2142	12-Mar-15 A	12-Sep-19		<u> </u>		Procurement - ND Plant Wide Electrical
onstruction		2516	01-Oct-15 A	20-Aug-22				✓ 20-Aug-22, Construction
ND71110	EPA Start Date for Construction - ND Plant Wide Electrical	0	21-Jan-19*					◆ EPA Start Date for Construction - ND Plant Wide Electrica
ND10320	Construction - ND Plant Wide Electrical	2339	01-Oct-15 A	05-Nov-20				Construction - ND Plant Wide E

	Schedule - December 2018 Update	Original	Stand	d Layout w Baseline (By Phase) 15-Jan-19 13:15 Finish 2016 2017 2018 2019 2020 2021 2022	5 - Page No. 4 2023	41
	Activity Name	Original Duration	Sidii	Prinsit 2010 2017 2018 2019 2020 2021 2022 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 <th></th> <th>+</th>		+
ND70630 E	EPA Compliance Date for Construction - ND Plant Wide Electrical	0		00 Aug 00t		
Project Administration		2857	01-May-14 A		ance Date for Cons Project Administrati	tion
	NASD Project Administration - ND Plant Wide Electrical	2857	01-May-14 A	17-Aug-22 15-Jan-16 A V 15-Jan-16 A, 3.08 (1)- NDWW TP General Electrical h-house Construction (Feeders 1-2)	ct Administration -	- Ņľ
	ral Electrical In-house Construction (Feeders 1-2)	624	,			
Engineering Design ND20470 E	Engineering Design - Electrical Feeders 1-2	400 401	01-May-14 A 01-May-14 A			
Permitting		35		05-Jun-15 A Design - Electrical Feeders 1-2 05-Jun-15 A Permitting		÷
	Permitting - Electrical Feeders 1-2	36		05-Jun-15 A Permitting - Electrical Feeders 1-2		
Procurement		202	12-Mar-15 A	30-Sep-15 A Procurement		1
ND40520 F	Procurement - Electrical Feeders 1-2	203	12-Mar-15 A	30-Sep-15 A Procurement - Electrical Feeders 1-2		
Construction		106	01-Oct-15 A	15-Jan-16 A V 15-Jan-16 A, Construction		
	Construction - Electrical Feeders 1-2	107	01-Oct-15 A		n - Electrical Feeder	ərs
Project Administration ND71740	NASD Project Administration - Electrical Feeders 1-2	106 107	01-Oct-15 A 01-Oct-15 A		at A desinistentian	-
08 (2) - Electrical Feeder		1345		06-Dec-17 A 06-Dec-17 A, 3.08 (2) - Electrical Feéders 3-6 (Project 3.01)	ect Administration -	문
ingineering Design	3 50 (110)601 501)	400		05-Jun-15 A Engineering Design		÷
	Engineering Design - Electrical Feeders 3-6 (Project 3.01)	400	01-May-14 A	05-Jun-15 A Erigineering Design - Electrical Feeders 3-6 (Project; 3.01)		
Permitting		35		05-Jun-15 A Permitting		÷
ND70190 F	Permitting - Electrical Feeders 3-6 (Project 3.01)	36	01-May-15 A	05-Jun-15 A Permitting - Electrical Feeders 3-6 (Project 3.01)		
Procurement		207	08-Apr-15 A	01-Nov15 A Nov15 A, Procurement		1
ND40530 F	Procurement - Electrical Feeders 3-6 (Project 3.01)	208	08-Apr-15 A	01-Nov-15 A Procurement - Electrical Feeders 3-6 (Project 3.01)		
onstruction		795		06-Dec-17 A Construction		
	Construction - Electrical Feeders 3-6 (Project 3.01)	795	02-Nov-15 A		- Electrical Feeder	əre
oject Administration	NASD Project Administration - Electrical Feeders 3-6 (Project 3.01)	1345				
		1345	01-May-14 A 01-Jun-18 A		ect Administration - 3.08 (3) - Electrical	
8 (3) - Electrical Feeder	15 1-0 (F10ject 3.04)	815		23-Aug-20 Z3-Aug-20, Engineering Design		H
ngineering Design ND70140 E	Engineering Design - Electrical Feeders 7-8 (Project 3.04)	815	01-Jun-18 A	23-Aug-20 Engineering Design - Electrical Feeders 7-8 (Project 3.04)		
ermitting		270		20-May-21 20-May-21		
<u> </u>	Permitting - Electrical Feeders 7-8 (Project 3.04)	270	24-Aug-20	20-May-21 Permitting - Electrical Feeders 7-8 (Project 3	3.04)	
rocurement		270	24-May-21	17-Feb-22 Procurement		1
ND40540 F	Procurement - Electrical Feeders 7-8 (Project 3.04)	270	24-May-21	17-Feb-22 Procurement - Electrical		eċ
onstruction		181	18-Feb-22	17-Aug-22	Construction	
	Construction - Electrical Feeders 7-8 (Project 3.04)	181	18-Feb-22		n - Electrical Feeder	
oject Administration		1311	01-Jun-18 A		Project Administrati	- 1
	NASD Project Administration - Electrical Feeders 7-8 (Project 3.04)	1311	01-Jun-18 A		ect Administration -	-1
8 (4) - Electrical Feeder	rs 9 14	1839 138	10-Jan-17 A 18-Oct-18 A	03-Feb-21 V 03-Feb-21, 3,08 (4) - Electrical Feeders 9-14 14-Feb-19, Engineering Design		-{
ngineering Design ND40500	Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14	138	18-Oct-18 A			
	Pre-Design - Electrical Feeders 9-10, 13-14	60	18-Oct-18 A	16-Dec-18 A Pre-Design - Electrical Feeders 9-10, 13-14		
	Engineering Design - Electrical Feeders 9-10, 13-14	60	17-Dec-18 A	14-Feb-19 Engineering Design - Electrical Feeders 9-10, 13-14		ł
ermitting		90	15-Feb-19	15-May-19 To-May-19, Permitting		1
ND71220 F	Permitting - Electrical Feeders 9-10, 13-14	90	15-Feb-19	15-May-19 Permitting - Electrical Feeders 9-10, 13-14		ļ
rocurement		120	16-May-19	12-Sep-19 Producement		1
ND40550 F	Procurement - Electrical Feeders 9-10, 13-14	120	16-May-19	12-Sep-19 Procurement - Electrical Feedbrs 9-10, 13-14		_
onstruction		1839	10-Jan-17 A	03-Feb-21 03-Feb-21, Construction		
	Construction - Electrical Feeders 11&12	100	10-Jan-17 A		n - Electrical Feeder	
	Construction - Electrical Feeders 9-14	1839	10-Jan-17 A		n - Electrical Feeder	эrŕ
	Construction - Electrical Feeders 9-10, 13-14	420	13-Sep-19		- Electrical Feeder	эr
	Commissioning - Electrical Feeders 9-14	30	07-Oct-20	05-Nov-20		Ĵ
	Project Closeout - Electrical Feeders 9-14	90	06-Nov-20	03-Feb-21* 15-May-19 Project Administration Project Closeout - Electrical Feeders 9:14 15-May-19		
roject Administration	NASD Project Administration - Electrical Feeders 9-14	1299 1299	10-Jan-17 A 10-Jan-17 A		ht A debiniotestic n	
9 Flood Mitigation		1233		31-Aug-17 A 3.09 Flood Mitigation	ect Administration -	-
		422		30-May-15 A , Engineering Design		
ngineering Design ND71120 E	EPA Start Date for Engineering Design - ND Flood Mitigation	422	21-Apr-14 A			
	Flood Mitigation Interim Solution Letter - ND Flood Mitigation	0	24-Nov-14 A	ND Flood Mitigation		
	Engineering Design - ND Flood Mitigation	422	04-Apr-14 A	olution Letter - ND Flood Mitigation 30-May-15 A Design - ND Flood Mitigation		
	EPA Compliance Date for Engineering Design - ND Flood Mitigation	0	•	20 May 15 A		į
ermitting		364	27-Nov-14 A	10-Nov-15 A Constant	+	• •
	EPA Start Date for Permitting - ND Flood Mitigation	0	27-Nov-14 A	ting - ND Flood Mitigation		
ND10060 F	Permitting - ND Flood Mitigation	1	01-May-15 A	01-May-15 A Permitting - ND Flood Mitigation		
ND70650 E	EPA Compliance Date for Permitting - ND Flood Mitigation	0		26-Nov15 A 25-Nov16 A 25-Nov16 A	<u> </u>	
ocurement			01-May-15 A	25-Nov-16 A Procurement		
	EPA Start Date for Procurement - ND Flood Mitigation	0		PA Start Date for Procurement - ND Flood Mitigation		
	Procurement - ND Flood Mitigation	421	01-May-15 A	24-Jun-16 A Procurement - ND Flood Mitigation		
	EPA Compliance Date for Procurement - ND Flood Mitigation	0	04.14	25-Nov+16 A		- {
onstruction	Construction - ND Flood Mitigation	854				ł
	Construction - ND Flood Mitigation	421	01-May-15 A	24-Jun-16 A Construction - ND Flood Mitigation		
	Substantial Completion (CD Compliance Date 8/13/17) - ND Flood Mitigation	0	26.16.46	24-Jun-16 A Substantial Completion (CD Compliance Date 8/13/17) - ND Flood Mitigation		
	EPA Start Date for Construction - ND Flood Mitigation	0	26-Nov-16 A	◆ EPA Start Date for Construction - ND Flood Mitig ation		
	EPA Compliance Date for Construction - ND Flood Mitigation	0 812	04-00-14.0	31-Aug-17 A 24-Jun-16 A, Project Administration 24-Jun-16 A, Project Administration	·····	
Project Administration	NASD Project Administration - ND Flood Mitigation	812	04-Apr-14 A 04-Apr-14 A	24 hm 40 Å		
0 Yard Piping Replac		2436	•	04-Dec-21, 3.10 Yard Piping F	Replacement	
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U	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2023 Q1 Q2 Q3 Q4
ND11435	Pre-Design - ND Secondary Clarifiers	1	06-Apr-15 A	06-Apr-15 A	
Engineering Design		832	06-Apr-15 A	16-Jul-17 A	Securidary Clauriers
ND10100	Engineering Design - ND Yard Piping Replacement	0	06-Apr-15 A	06-Apr-15 A	Engineering Design - ND Yard Piping Replacement
ND71160	EPA Start Date for Engineering Design - ND Yard Piping Replacement	0	10-Apr-16 A		♦ EPA Start Date for Engineering Design - ND Yard Piping Replacement
ND70680	EPA Compliance Date for Engineering Design - ND Yard Piping Replacement	0		16-Jul-17 A	EPA Compliance Date for Engineering Design - ND Yard Piping Replacement 12,Jan-18 A. Permitting
Permitting ND10150	Permitting - ND Yard Piping Replacement	1031	06-Apr-15 A 06-Apr-15 A	12-Jan-18 A 06-Apr-15 A	
ND71170	EPA Start Date for Permitting - ND Yard Piping Replacement	0	17-Jul-17 A	00-40-13 4	Permitting - ND: Yard Piping Replacement
ND70690	EPA Compliance Date for Permitting - ND Yard Piping Replacement	0		12-Jan-18 A	
Procurement		1305	05-Apr-15 A	09-Oct-18 A	
ND10240	Procurement - ND Yard Piping Replacement	2	05-Apr-15 A	06-Apr-15 A	Procurement - ND Yard Piping Replacement
ND71180	EPA Start Date for Procurement - ND Yard Piping Replacement	0	13-Jan-18 A		EPA Start Date for Procurement - ND Yard Piping Replacement
ND70700	EPA Compliance Date for Procurement - ND Yard Piping Replacement	0		09-Oct-18 A	♦ EPA Compliance Date for Procurement + ND Yard Ploing Replacement
Construction		2386	25-May-15 A	04-Dec-21	▼ .04-Dec-21, Construction:
ND20870	Rehab 1st 84" Pipe - ND Yard Piping Replacement	123	25-May-15 A	24-Sep-15 A	b 1st 84" Pipe - ND Yard Piping Replacement
ND10290	Construction - ND Yard Piping Replacement	366	25-May-15 A	24-May-16 A	Construction - ND Yard Piping Replacement
ND20860 ND10440	Rehab 2nd 84" Pipe - ND Yard Piping Replacement Substantial Completion (CD Compliance Date 12/04/21) - ND Yard Piping Replacement	83	03-Mar-16 A	24-May-16 A 24-May-16 A	Rehab 2nd 84" Pipe - ND Yard Piping Replacement
ND71190	EPA Start Date for Construction - ND Yard Piping Replacement	0	10-Oct-18 A	24-1viay-10 A	▲ Substantial Completion (CD Compliance Date 12/04/21) - ND Yard Piping Replacement
ND70710	EPA Compliance Date for Construction - ND Yard Piping Replacement	0	10 000 1077	04-Dec-21*	
Project Administration		414	06-Apr-15 A	24-May-16 A	◆ EPA Compliance Date for Construction - ND Yard P
ND21600	WASD Project Administration - ND Secondary Clarifiers	415	06-Apr-15 A	24-May-16 A	WASD Project Administration - ND Secondary Clarifiers
.11 SCADA RTU U	Ipgrades	540	30-Sep-13 A	24-Mar-15 A	SCADA RTU Upgrades
Construction		540	30-Sep-13 A	24-Mar-15 A	struction
ND71200	EPA Start Date for Construction - ND SCADA RTU Upgrades	0	01-Oct-13 A		
ND10020	Construction - ND SCADA RTU Upgrades	423	30-Sep-13 A	26-Nov-14 A	SCADA RTU Upgrades
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 - ND SCADARTU Upgrades.
Project Administration ND71780	WASD Project Administration - ND SCADA RTU Upgrades	422	30-Sep-13 A 30-Sep-13 A	26-Nov-14 A 26-Nov-14 A	
		5841	01-Oct-11 A	27-Sep-27	Iministration' - ND SCADA RTU Upgrådes
	ollection & Transmission Line			· · ·	
.01 Collection Sys	tem VI Repairs	5110		27-Sep-27	
Construction	EDA Stat Data for Construction Collection System II Danair	5110	01-Oct-13 A	27-Sep-27	
CT71230	EPA Start Date for Construction - Collection System // Repair Construction - Collection System // Repair	4161	01-Oct-13 A 01-Oct-13 A	27-Sep-27	
CT10070 CT10430	Substantial Completion (CD Compliance Date 9/27/27) - Collection System // Repair	4161	01-00-13A	27-Sep-27 27-Sep-27*	
CT50590	EPA Compliance Date for Construction - Collection System // Repair	0		27-Sep-27*	
4.01 (1.0) - PMCM CIF		3673	01-Feb-15 A	31-Jul-18 A	✓ 31-Jul-18 A, 4;01 (1.0) - PMCM CIPP VI Repairs
Engineering Design		1065	01-Feb-15 A	15-Aug-17 A	15-Aug-17 A; Engineering Design
CT30000	CIPP Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	18	01-Feb-15 A	18-Feb-15 A	& Scope to MDWASD -2015/2016 Fiscal Year
CT30090	CIPP Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (PO 168)	55	01-May-16 A	24-Jun-16 A	CIPP Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (PO 168)
CT30220	CIPP Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	245	01-May-17 A	15-Aug-17 A	
Procurement		730	01-Feb-15 A	31-Jan-17 A	31-Jan-17 A, Procurement Scope to MDWASD2017/2018 Fiscal Year.
CT30010	CIPP Contractor Procurement - 2015/2016 Fiscal Year	303	01-Feb-15 A	30-Nov-15 A	CIPP Contractor Procurement - 2015/2016 Fiscal Year
CT30120	CIPP Contractor Procurement - 2016/2017 Fiscal Year (RPQ PO 193)	183	02-Aug-16 A	31-Jan-17 A	CIPP. Contractor. Procurement - 2016/2017. Fiscal Year (RPQ. PC) 193).
Construction		968	07-Dec-15 A	31-Jul-18 A	31-JUL-18 A, Construction
CT30060	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)	446	07-Dec-15 A	24-Feb-17 A	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)
CT30150	CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193)	365	01-Aug-17 A	31-Jul-18 A	CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193).
Project Administration CT80720	WASD Project Administration - PMCM CIPP // Repairs	3673 3673	01-Feb-15 A 01-Feb-15 A	31-Jul-18 A 31-Jul-18 A	
	g & Replace VI Repairs	3624	01-Mar-15 A	22-Jul-18 A	WASD Project Administration - PMCM CIPP /// Repairs 22-Jul-18 A, 4.01 (1.1) - PMCM Dig & Replace I// Repairs
Engineering Design		1037	01-Mar-15 A	15-Aug-17 A	t5-Aug-17 A, Engineering Design
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 Fiscal Year
CT30100	Dig & Replace Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2229)	93	01-May-16 A	01-Aug-16 A	Dig & Replace Specifications & Scope to MDWA SD - 2016/2017 Fiscal Year (T2229)
CT30180	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	185	30-Jun-17 A	15-Aug-17 A	City of the place operations of comparison 2010 2010 1 solar real (12225) Comparison 2010 2010 2010 2010 2010 2010 2010 201
Procurement		687	01-Mar-15 A	16-Jan-17 A	▼ 16-Jan-17 A, Procurement
CT38000	Dig & Replace Contractor B Procurement - 2015/2016 Fiscal Year	232	01-Mar-15 A	18-Oct-15 A	& Replace Contractor B Procurement - 2015/2016 Fiscal Year
CT30040	Dig & Replace Contractor A Procurement - 2015/2016 Fiscal Year			25-Oct-15 A	& Réplace Contractor A Procurement - 2015/2016 Fiscal Year
CT38010	Dig & Replace Contractor C Procurement - 2015/2016 Fiscal Year	324	01-Mar-15 A	18-Jan-16 A	Dig & Replace Contractor C Procurement - 2015/2016 Fiscal Year
CT30130	Dig & Replace Contractor Procurement - 2016/2017 Fiscal Year (T2229)	168	02-Aug-16 A	16-Jan-17 A	Dig & Replace Contractor Procurement - 2016/2017/Fiscal Year (T2229).
Construction CT38020	Dig & Replace Contract B (Construction) - 2015/2016 Fiscal Year	981 366	19-Oct-15 A 19-Oct-15 A	22-Jul-18 A 18-Oct-16 A	
CT30070	Dig & Replace Contract A (Construction) - 2015/2016 Fiscal Year	366	26-Oct-15 A	25-Oct-16 A	Did & Replace Contract B (Construction) - 2015/2016 Fiscal Year
CT38030	Dig & Replace Contract C (Construction) - 2015/2016 Fiscal Year	365	18-Jan-16 A	16-Jan-17 A	Diq & Replace Contract A (Construction) - 2015/2016 Fiscal Year
CT30160	Dig & Replace Contract Countywide (Construction) - 2016/2017 Fiscal Year (T2229)	365	26-Jun-17 A	22-Jul-18 A	Dig & Replace Contract C (Construction) - 2015/2016 Fiscal Year
Project Administration		3624	01-Mar-15 A	25-Jan-18 A	Dig & Replace Contract Countwide.(Construction) -2016/2017.Fiscal Year (T2229) 25-Jan-18 A, Project Administration
CT80730	WASD Project Administration - PMCM Dig & Replace // Repairs	3624	01-Mar-15 A	25-Jan-18 A	WASD Project Administration - PMCM Dig & Replace I/I Repairs
4.01 (1.2) - PMCM SS	SES VI	1462	01-Mar-15 A	28-Nov-17 A	WASD Project Administration - PMCM Dig & Replace // Repairs
Engineering Design		536	01-Mar-15 A	18-Aug-16 A	▼ 18-Aug-16 A/ Engineering Design
CT30030	SSES Specifications & Scope to MDWASD - 2015/2016 Fscal Year	10	01-Mar-15 A	10-Mar-15 A	ns & Scope to MDWASD - 2015/2016 Fiscal Year
CT30110	SSES Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2231)	74		18-Aug-16 A	SSES Specifications & Scope to MDWASD - 2016/2017 Facal Year (72231)
Procurement		726	01-Mar-15 A	24-Feb-17 A	✓ 24-Feb-17 A, Proqurement
CT38040	SSES (CCTV) Procurement - 2015/2016 Fiscal Year	360	01-Mar-15 A	23-Feb-16 A	SSES (CCTV) Procurement - 2015/2016 Fiscal Year
CT30140	SSES Contractor Procurement - 2016/2017 Fiscal Year (T2231)	191	18-Aug-16 A	24-Feb-17 A	SSES Contractor Procurement - 2016/2017 Fiscal Year (T2231)
Construction		780	14-Mar-16 A	18-Aug-17 A	T8-Aug-1 / A; Construction

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ty ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2 Q1 Q2 Q3 Q4 th=""></td<>
CT38050	SSES Construction (CCTV) - 2015/2016 Fiscal Year (T2101)	366	14-Mar-16 A	14-Mar-17 A	SSES Construction (CCTV) - 2015/2016 Fiscal Year (T2101)
CT30170	SSES Contract (Construction) - 2016/2017 Fiscal Year (T2231)	395	03-Apr-17 A	18-Aug-17 A	
Project Administration		1462	01-Mar-15 A	28-Nov-17 A	SSES Contract (Construction) - 2016/2017 Fiscal Year (†2231) 28-Nov-17 A, Project Administration
CT80740	WASD Project Administration - PMCM SSES //I	1462	01-Mar-15 A	28-Nov-17 A	WASD Project Administration - PMCM SSES //
4.01 (2) - PSIP Progra	m //Repairs	1188	01-Oct-13 A	31-Dec-16 A	
Construction	Construction DOID Decement // Denois (MDM/ACD)	1188	01-Oct-13 A 01-Oct-13 A	31-Dec-16 A 31-Dec-16 A	31-Dec-16 A, Construction
CT22790	Construction - PSIP Program VI Repair (MDWASD)	1188	01-Oct-13 A	31-Dec-16 A	Construction - PSIP Program (I Repair (MDWASD)
Project Administration CT80750	WASD Project Administration - PSIP Program // Repair (MDWASD)	1188	01-Oct-13 A	31-Dec-16 A	
4.01 (3) - MDWASD C		3736	01-Oct-13 A	27-Sep-27	WASD.Project Administration - PSIP. Program III Repair (MDWASD.)
Construction		3736	01-Oct-13 A	27-Sep-27	
CT33301	Construction -MDWASD CM Team I/I Repair (MDWASD)	3736	01-Oct-13 A	27-Sep-27	
Project Administration		3736	01-Oct-13 A	27-Sep-27	
CT80760	WASD Project Administration -MDWASD CM Team I/I Repair (MDWASD)	3736	01-Oct-13 A	27-Sep-27	
	VASD In-House I/I Repairs	3742	01-Oct-13 A	27-Sep-27	
Construction	Construction - WWCTLD WASD In-House VI Repair (MDWASD)	3742	01-Oct-13 A	27-Sep-27	
CT33302		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	01-Oct-13 A	27-Sep-27 27-Sep-27	
4.02 Government C		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	10 200 10/1	
CT10010	Construction - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A	-
CT10030	Substantial Completion (CD Compliance Date 9/30/13) - Government Cut FM Phase 1 & 2	0		30-Sep-13 A) - Government Cut FM Phase 1 & 2
CT50600	EPA Compliance Date for Construction - Government Cut FM Phase 1 & 2	0		30-Sep-13 A	
Project Administration		730	01-Oct-11 A	30-Sep-13 A	
CT80780	WASD Project Administration - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A	
4.03 Government C	Cut FM - Phase 3	1529	30-Jan-13 A	08-Apr-17 A	08-Apr-17 A, 4.03 Government Cut FM Phase 3
Engineering Design		357	30-Jan-13 A	22-Jan-14 A	
CT71250	EPA Start Date for Engineering Design - Government Cut FM Phase 3	0	30-Jan-13 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	Coverning of Out FM Phase 3
Procurement	Description of the Direct One Direct One	798	28-Feb-13 A	07-May-15 A	
CT10170	Procurement - Government Cut FM Phase 3	329	28-Feb-13 A	22-Jan-14 A	Government Cut FM Phase 3
CT71260 CT50620	EPA Start Date for Procurement - Government Cut FM Phase 3 EPA Compliance Date for Procurement - Government Cut FM Phase 3	0	08-May-14 A	07 Mov 15 A	mment Cut;FM Phase 3
	EFA Compliance Date for Frochement - Government Cut FW Fridse 5	1171	23-Jan-14 A	07-May-15 A 08-Apr-17 A	ce Date for Procurement - Government Cuit FM Phase 3
Design-Build CT71270	EPA Start Date for Construction - Government Cut FM Phase 3	0	08-May-15 A	08-Api-17 A	
CT10020	Permitting - Government Cut FM Phase 3	444	02-May-14 A	19-Jul-15 A	e for Construction - Government Cut FM Phase 3 - Government Cut FM Phase 3
CT22250	Final Design-Builder) - Government Cut FM Phase 3	589	23-Jan-14 A	03-Sep-15 A	—
CT10250	Construction - Government Cut FM Phase 3	916	23-May-14 A	23-Nov-16 A	pesign (Design-Builder) - Government Cut PM 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	
CT50630	EPA Compliance Date for Construction - Government Cut FM Phase 3	0		08-Apr-17 A	
Project Administration		1483	30-Jan-13 A	21-Feb-17 A	EPA Compliance Date for Construction - Government Cut FM Phase 3 21-Feb-17 A; Project Administration
CT38440	WASD Project Administration - Government Cut FM Phase 3	1484	30-Jan-13 A	21-Feb-17 A	WASD Project Administration - Government Out FM Phase 3 05-Mar-18 A, 4.04 North Dade 72 inch POCP FM Rehablitation
4.04 North Dade 72	inch PCCP FM Rehabilitation	1783	13-May-13 A	05-Mar-18 A	05-Mar-18 A, 4.04 North Dade /2 indh PCCP HM 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	45 E-6 4 4 4	2" PCCP FW Rehab
CT10050	Engineering Design (DCP) - North Dade 72" PCCP FM Rehab	279	13-May-13 A	15-Feb-14 A	
CT50640	EPA Compliance Date for Engineering Design - North Dade 72" PCCP FM Rehab	0	04-0+144	06-Mar-14 A 27-Nov-15 A	Ign - North Lade (2 POLP FM Renap
Permitting CT71300	EPA Start Date for Permitting - North Dade 72" PCCP FM Rehab	419 0	04-Oct-14 A 04-Oct-14 A	A CI-YUM-12 A	
CT50650	EPA Compliance Date for Permitting - North Dade 72" PCCP FM Rehab**	0		06-Mar-15 A	- North Dade 72" PCCP FM Rehab
CT10150	Permitting - North Dade 72" PCCP FM Rehab	263	10-Mar-15 A	27-Nov-15 A	
Procurement		761	03-Feb-14 A	05-Mar-16 A	
CT10230	Procurement - North Dade 72" PCCP FM Rehab	395	03-Feb-14 A	04-Mar-15 A	
CT71310	EPA Start Date for Procurement - North Dade 72" PCCP FM Rehab	0	07-Mar-15 A		Procurement - North Dade 72" PCCP FM Rehab
CT50660	EPA Compliance Date for Procurement - North Dade 72" PCCP FM Rehab	0		05-Mar-16 A	. ◆ EPA Comptiance Date for Procurement - North Dade 72" PCCP FM Rehab
Design-Build		1117	10-Mar-15 A	05-Mar-18 A	
CT22240	Final Design (Design-Builder) - North Dade 72" PCCP FM Rehab	179	10-Mar-15 A	04-Sep-15 A	pesign builder) - North Dade / 2 PCCP Fin Renab
CT10310	Construction - North Dade 72" PCCP FM Rehab		30-Sep-15 A	05-May-16 A	
CT10410	Substantial Completion (CD Compliance Date 3/05/18) - North Dade 72" PCCP FM Rehab	0	00.11 (7)	05-May-16 A	▼ Substantial Completion (CD Compliance Date 5/03/10) - North Pade 72 FCCF FM Renab
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	OF M 40 4	EPA Start Date for Construction - North Dade 72" PCCP FM Rehab
CT50670	EPA Compliance Date for Construction - North Dade 72" PCCP FM Rehab	0	12 May 42 A	05-Mar-18 A	EPA Compliance Date for Construction - North Dade 72" PCCP FM Rehab 31-Dec-16 A, Project Administration
Project Administration CT38430	WASD Project Administration - North Dade 72" PCCP FM Rehab	1328 1329	13-May-13 A 13-May-13 A	31-Dec-16 A 31-Dec-16 A	
	·	2195	13-May-13 A 05-Aug-14 A	31-Dec-16 A 31-Jan-19	.WASD.Project Administration - North Dade 72: PCCP FM Rehab. ▼ 31-Jan-19, 4.05 South Dade 54 inch PCCP FM Rehabilitation
	inch PCCP FM Rehabilitation		-		ct-15A, Engineering Design
Engineering Design CT71330	EPA Start Date for Engineering Design - South Dade 54" PCCP FM Rehab**	422	05-Aug-14 A 05-Aug-14 A	01-Oct-15 A	
CT71330 CT50680	EPA Start Date for Engineering Design - South Dade 54 PCCP FM Rehab**	0	00-Aug-14 A	20-Feb-15 A	esign - South Dade 54" PCCP FM Rehab**
CT10060	Engineering Design - South Dade 54" PCCP FM Rehab	423	05-Aug-14 A	01-Oct-15 A	Lite for Engineering Design - South Dade 34 POOP Five Renab
		423	14-Oct-15 A	02-Jan-17 A	
Permitting		440	14 OUL 13 A	OL DUIT IT A	

	cree Schedule - December 2018 Update	Original		Finish	Baseline (By Phase) 15-Jan-19 13:15 - Page No. 44
)	Activity Name	Original Duration	Start	FINSO	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
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		02-Jan-17 A	EPA Compliance Date for Permitting - South Dade 54" PCCP FM Rehab
Procurement		618	07-Apr-15 A	15-Dec-16 A	T-Dec-16 A, Produrement
CT71350	EPA Start Date for Procurement - South Dade 54" PCCP FM Rehab	0	07-Apr-15 A		or Procurement - South Dade 54" PCCP FM Rehab
CT10240 CT50700	Procurement - South Dade 54" PCCP FM Rehab	116	03-Jun-16 A	26-Sep-16 A 15-Dec-16 A	Procurement - South Dade 54" PCCP FM Rehab
Construction	EPA Compliance Date for Procurement - South Dade 54" PCCP FM Rehab	826	26-Sep-16 A	23-Dec-18 A	
CT71360	EPA Start Date for Construction - South Dade 54" PCCP FM Rehab	0	16-Dec-16 A	23-Dec-10 A	
CT10320	Construction - South Dade 54" PCCP FM Rehab	428	26-Sep-16 A	14-Sep-18 A	EPA Start Date for Construction - South Dade 54" PCCP FM Rehab 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	
05 (1) 48/54" FM fro	om SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)	2195	05-Aug-14 A	31-Jan-19	 EPA Compliance Date for Construction - South Dade 54" PCCP FM Rehab. 31 Jan-19, 4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)
ngineering 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	_ttal - 48/54 (nch FM (Phase 1)
CT22220	30% Submittal Review - 48/54 hch 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 Indh FM (Phase 1)
CT22610	60% Design Review - 48/54 hoh FM (Phase 1)	19	25-Jul-15 A	12-Aug-15 A	sign Review - 48/54 Inch FM (Phase 1)
CT22570 CT80410	90% Design Submittal - 48/54 Inch FM (Phase 1) Engineering Design - 48/54 Inch FM (Phase 1)	30 423	13-Aug-15 A 05-Aug-14 A	11-Sep-15 A 01-Oct-15 A	Design Submittal -48/54 Inch FM (Phase 1)
CT38110	90% Submittal Review - 48/54 Inch FM (Phase 1)	423	14-Sep-15 A	01-Oct-15 A	heering Design - 48/54 Inch FM (Phase 1)
ermitting		128	14-Sep-15 A 14-Oct-15 A	19-Feb-16 A	Submittal Review48/54.lnch FM (Phase:1)
CT12021	Permitting - 48/54 Inch FM (Phase 1)	120	14-Oct-15 A	19-Feb-16 A	
ocurement		563	21-Mar-16 A	30-Oct-17 A	Permitting - 48/54. Inch FM (Phase 1).
T30011	Submit/Approve SBD Goals and Request to Advertise - 48/54 hch FM (Phase 1)	47	21-Mar-16 A	06-May-16 A	Submit/Approve SBD Goals and Request to Adventise - 48/54 Inch FM (Phase 1)
T38060	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)
T30001	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)
T38070	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)
T30021	Advertise Bid Package - 48/54 hch FM (Phase 1)	0	17-Jun-16 A		Advertise Bid Package - 48/54 Inch FM (Phase 1)
T30031	Bid Solicitation Period - 48/54 Inch FM (Phase 1)	40	17-Jun-16 A	26-Jul-16 A	Bid Solicitation Period - 48/54 hoh FM (Phase 1)
T30041	Bids Due - 48/54 Inch FM (Phase 1)	0	27-Jul-16 A		→ Bids Duệ - 48/54 hch FM (Phase 1)
T38100	Vendor Bid & Award - 48/54 Inch FM (Phase 1)	56	03-Jun-16 A	28-Jul-16 A	Vendor Bid & Award - 48/54 Inch FM (Phase 1)
T38080	Vendor NTP -48/54 hch FM (Phase 1)	0		28-Jul-16 A	♦ Vendor NTP - 48/54 Inch FM (Phase 1)
T30051	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)
T30061	Award Recommendation - 48/54 Inch FM (Phase 1)	0	00 h = 10 h	12-Sep-16 A	Award Recommendation - 48/54 Inch FM (Phase 1)
T12011 T30071	Procurement - 48/54 Inch FM (Phase 1) Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)	116	03-Jun-16 A 13-Sep-16 A	26-Sep-16 A 26-Sep-16 A	Produrement - 48/54 lrich FM (Phajse 1)
T30071	Pri-Purchase 54" Pipe & Valves - 48/54 Inch FM (Phase 1)	528	25-Apr-16 A	30-Oct-17 A	B Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)
T38090	Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings - 48/54 hch FM (Phase 1)	433	29-Jul-16 A	30-Oct-17 A	Pre-Purchase 54" Pipe & Valves + 48/54 Inch FM (Phase 1)
nstruction	י מטוגמופ ע בפוועפו דופיד עולומצפע טיי דוף פ עדוגנוווטג יייט/טיי וולודועו (דומצפ ד)	1389	19-Oct-16 A	31-Jan-19	Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings - 48/54 Joch FM (Phase 1)
CT30081	Contractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)	0	19-Oct-16 A		Contractor Notice to Proceed (NTP) - 48/54 Inth FM (Phase 1)
T12091	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
T12031	Construction - 48/54 Inch FM (Phase 1)	405	19-Oct-16 A	14-Sep-18 A	Construction - 48/54 hdh FM (Phase 1)
T81120	Commissioning - 48/54 Inch FM (Phase 1)	30	21-May-18 A	14-Sep-18 A	Commissioning -/48/54 Inch FM (Phase 1)
T12041	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)
Г40400	Project Closeout - 48/54 Inch FM (Phase 1)	90	15-Sep-18 A	31-Jan-19*	Project Closedut - 48/54 hch FM (Pbase 1) 31-Jan-19, Project Administration
ject Administration		1301	05-Aug-14 A	31-Jan-19	▼ 31-Jan-19, Project Administration
T38420	WASD Project Administration - 48/54 Inch FM (Phase 1)	1301	05-Aug-14 A	31-Jan-19	→ WASD Project Administration - 48/54 lpch FM (Phase 1)
-	of Tamiami Canal Aerial Crossing FM's at NW 37 Ave		11-Dec-12 A	29-Oct-16 A	
gineering Design T10040	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	387 91	11-Dec-12 A 11-Dec-12 A	02-Jan-14 A 11-Mar-13 A	
T71370	EPA Start Date for Engineering Design - Replace Tamiani Canal/NW 37 Ave Crossing	0	01-Oct-13 A	THMAP TO A	W 37 Ave Crossing
T50720	EPA Compliance Date for Engineering Design - Replace Tamiani Canal/NW 37 Ave Crossing	0	5. 50 15A	02-Jan-14 A	iami Cana//WW 37 Ave Crossing
mitting		661	12-Mar-13 A	02-Jan-15 A	Replace Tamiami Canal/NW. 37. Ave: Crossing.
F10120	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	61	12-Mar-13 A	11-May-13 A	miami Canal/NW/37 Ave Crossing
71380	EPA Start Date for Permitting - Replace Tamiami Cana//NW 37 Ave Crossing	0	03-Jan-14 A		i Carla/NW 37 Ave Crossing
50730	EPA Compliance Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-15 A	for Permitting - Replace.Tarriam i Canal/NW 37 Ave Crossing
curement		964	13-May-13 A	02-Jan-16 A	02-Jan-16A, Procurement
F10200	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	144	13-May-13 A	03-Oct-13 A	Propurement - Replace Tamiami Canal/NW 37 Ave Crossing
F71390	EPA Start Date for Procurement - Replace Tamiami Cana/NW 37 Ave Crossing	0	03-Jan-15 A		purement - Replace Tamiami Cana/NWV 37 Ave Crossing
F50740	EPA Compliance Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0	07.0-140.1	02-Jan-16 A	EPA Compliance Date for Procurement - Replace Tarriam Canal/NW 37 Ave Crossing
1struction F10280	Construction - Replace Tamiami Canal/NW 37 Ave Crossing	1118 233	07-Oct-13 A 07-Oct-13 A	29-Oct-16 A 27-May-14 A	
F10280	Substantial Completion (CD Compliance Date 10/29/2016) - Replace Tamami Canal/NW 37 Ave Crossing	233 0	01-00-13 A	27-May-14 A	Construction - Replace Tamiami Canal/NW 37 Ave Crossing
F71400	EPA Start Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-16 A	may 17/1	ce Date 10/29/2016) - Replace Tama mi Canal/NW 37.Ave Crossing
T50750	EPA Compliance Date for Construction - Replace Tamiani Canal/WW 37 Ave Crossing	0		29-Oct-16 A	PEPA Start Date for Construction - Replace Tamami Canal/WW 37 Ave Crossing
ject Administration		532	11-Dec-12 A	27-May-14 A	◆ EPA Compliance Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing
T80790	WASD Project Administration - Replace Tamiami Canal/NW 37 Ave Crossing	533	11-Dec-12 A	27-May-14 A	WASD Project Administration - Replace Tamiami Cana/NW 37 Ave Crossing
Replacement	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 in Mami Lakes
gineering Design		788	11-Mar-12 A	08-May-14 A	
T71410	EPA Start Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0	01-Nov-13 A		s" DIP; FM in: Miami Lakes
T10090	Engineering Design - Replace 18" DIP FM in Miami Lakes	789	11-Mar-12 A	08-May-14 A	Mini/Miami Lakes
	EPA Compliance Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0		08-May-14 A	Desigin - Replace 18" DIP, FM in Miarini Lakes
T50760	LEA compliance Date for Engineering Design - Replace to Dir Thinin Marini Lakes				
T50760 mitting T71420	EPA Start Date for Permitting - Replace 18" DIP FM in Miami Lakes	269	09-Jun-14 A	05-Mar-15 A	ting.

SD Consent Decr	ree Schedule - December 2018 Update	Original	Stand	ard Layout w	w Baseline (By Phase) 15-Jan-19 13:15 - Page No. 45 (2016 2017 2018 2019 2020 2021 2022 2023
U	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2022 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
CT50770	EPA Compliance Date for Permitting - Replace 18" DIP FM in Miami Lakes	0		05-Mar-15 A	
Procurement		497	24-Oct-14 A	04-Mar-16 A	A 04-Mar-16 A, Proqurement
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
CT10220	Procurement - Replace 18" DIP FM in Miami Lakes	221	24-Oct-14 A	01-Jun-15 A	
CT50780	EPA Compliance Date for Procurement - Replace 18" DIP FM in Miami Lakes	0		04-Mar-16 A	L. The state for Procurement - Replace 18 UP FM in Marni Lakes
Construction		677	02-Jun-15 A	09-Apr-17 A	
CT10300	Construction - Replace 18" DIP FM in Miami Lakes	189	02-Jun-15 A	07-Dec-15 A	
CT10370	Substantial Completion (CD Compliance Date 4/09/17) - Replace 18" DIP FM in Miami Lakes	0	05 Mar 40 A	07-Dec-15 A	A Substantial Completion (CD Compliance Date 4/09/17) - Replace 18" DP FM in; Miam) Lakes
CT71440	EPA Start Date for Construction - Replace 18" DIP FM in Miami Lakes	0	05-Mar-16 A	44.5466	
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	44 Mar 40 A	09-Apr-17 A	
Project Administration CT38400	WASD Project Administration - Replace 18" DIP FM in Miami Lakes	1586 1587	11-Mar-12 A 11-Mar-12 A	14-Jul-16 A 14-Jul-16 A	
		1607	06-Oct-14 A	15-Jan-19	WASD Project Administration - Replace 18 DIP FM in Miam Lakes
	of 54 inch PCCP FM in the City	401		11-Nov-15 A	
Engineering Design CT71450	EPA Start Date for Engineering Design - Rehab 54" PCCP FM in the City**	401	06-Oct-14 A 06-Oct-14 A	11-110V-15 A	
CT50800	EPA Compliance Date for Engineering Design - Rehab 54" PCCP FM in the City**	0	00-001-147	03-Apr-15 A	a ng 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	Date for Engineering Design + Renad 54 PCCP+M in the City
Permitting	Engineering beagin (bor) - Nenab 54 1 cor 1 min the only	243	04-Apr-15 A	29-Dec-15 A	
CT71460	EPA Start Date for Permitting - Rehab 54" PCOP FM in the City**	0	04-Apr-15 A	29-Dec-13 A	
CT10130	Permitting - Rehab 54" PCCP FM in the City	12		22-Jul-15 A	br Permitting - Rehab 54" PCCP FM in the City** 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	
Procurement		570	06-Mar-15 A	26-Sep-16 A	
CT71470	EPA Start Date for Procurement - Rehab 54" PCCP FM in the City**	0	06-Mar-15 A		
CT50810	10/25/18	0	-	08-Jul-16 A	Procurement - Rehab 54" PCCP FM in the City**
CT10210	Procurement - Rehab 54" PCCP FM in the City	248	23-Jan-16 A	26-Sep-16 A	▼ 10/25/18
Construction		269	20-Sep-16 A	16-Jun-17 A	
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	
CT10290	Construction - Rehab 54" PCCP FM in the City	263	27-Sep-16 A	16-Jun-17 A	
1.08 (1) Rehab 2 Miles	s of 54 Inch PCCP FM (Consent Decree)	964	27-Oct-14 A	16-Jun-17 A	
Pre-Design		135	27-Oct-14 A	11-Mar-15 A	A þesign
CT22070	Pre-Design - Rehab 2 Miles of 54" PCCP FM in the City	136	27-Oct-14 A	11-Mar-15 A	A h 2 Miles of 54" PCCP FM in the City
Engineering Design		372	12-Mar-15 A	18-Mar-16 A	A b 2 Mies of 54" PCCP FM in the City A View 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	A esign Report (BODR) - Rehab 2 Miles of 54" PCCP FM in the City
CT22620	BODR Design Review - Rehab 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	A sign Review - 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	A s-Built Design Submittal - 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	A Negotiate Scope & Feelof Remaining Design - 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	A Engineering 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	Develop Performance Specifications - Kenab 2 Miles of 54" PCCP, FM in the City
Permitting		11		22-Jul-15 A	
CT22110	Permitting - Rehab 2 Miles of 54" PCCP FM in the City	12		22-Jul-15 A	
Procurement CT33021	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City	247 21	23-Jan-16 A 23-Jan-16 A	26-Sep-16 A 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	12-1 60-10 A	Submit/Appide SbD Goas - Renab 2 Miles of 54 PCCP HM in the City
CT33031	Advertise Bid Package - 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	25-May-16 A 25-May-16 A	06-Jul-16 A	◆ Adventise Bid Package - Rehab 2 Miles of 54" PCCP FM in the City
CT33051	Bids Due - Rehab 2 Miles of 54" PCCP FM in the City	43	07-Jul-16 A	00-501-10 A	Bid Solicitation Period - Renab 2 Miles of 54 PCCP rivin the City
CT33061	Bid Review Period - Rehab 2 Miles of 54" PCCP FM in the City	44		19-Aug-16 A	A ♦ Bid\$ Due - Rehab 2 Miles of 54" PCCP FM in the City
CT33071	Award Recommendation - Rehab 2 Miles of 54" PCCP FM in the City	44		19-Aug-16 A	
CT50940	Bid Protest - Rehab 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A	A Award recommendation - renabiz times of 54 PCCP rivin in the City
CT22120	Procurement - Rehab 2 Miles of 54" PCCP FM in the City	162	•	23-Sep-16 A 26-Sep-16 A	Did Protest - Rehad 2 Miles of 54 PCCP Fini In the City
CT22120 CT33081	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP FM in the City	3	•	26-Sep-16 A 26-Sep-16 A	
Construction	י אומי יקאיסימום נטסט, זאמיזטו, ושמי זאפורוג - וזכרומט ב זאווכס טו שי דיסטר דוא וודנווע טונא	262	•	16-Jun-17 A	1. Final Applovais BCC, Mayou Risk Wight J Renabiz Innes of 54 PCCP Fill In the City.
CT33091	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City	202	27-Sep-16 A 27-Sep-16 A	IO-JUIPT/A	
CT22650	Construction - Rehab 2 Miles of 54" PCCP FM in the City	263	•	28-May-17 A	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City
CT10380	Substantial Completion (CD Compliance Date 05/28/17) - Rehab 2 Miles of 54" PCCP FM in the City	203	2. Sop 10 A	16-Jun-17 A	
Project Administration		828	12-Mar-15 A	16-Jun-17 A	Substantial completion (CD Completion CD CD CD CD CD CD CD CD CD CD CD CD CD
CT38390	WASD Project Administration - Rehab 2 Miles of 54" PCCP FM in the City	828	12-Mar-15 A	16-Jun-17 A	
	ce an Additional 2 Miles of 54" PCC PFM (Non-Consent Decree)	1586	27-Oct-14 A	15-Jan-19	WASD Project Administration - Renato 2 Wiles of 54 PLOP FM in the City
Pre-Design		135		11-Mar-15 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	
Engineering Design		372		18-Mar-16 A	 b/Replace Additional 2 Miles of 54"P.CCP FM in the Ctv. A Mar-16 A, Engineering Design
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	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	11-Jul-15 A	22-Jul-15 A	
CT80430	Engineering Design - Rehab/Replace Additional 2 Miles of 54" PCOP FM in the City	373	12-Mar-15 A	18-Mar-16 A	
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	
Permitting		21	01-Jul-15 A	22-Jul-15 A	
CT22740	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	22	01-Jul-15 A	22-Jul-15 A	
Procurement		247		26-Sep-16 A	
CT35200	Submit/Approve SBD Goals and Request to Advertise - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	21	23-Jan-16 A	12-Feb-16 A	
CT35190	Design Documents Sent to Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A		Submit Applique SbD Solar and request to Adventee * Rehab/replace Additional 2 Miles of 54* F COP FM in the City
CT35210	Advertise Bid Package - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	25-May-16 A		♦ Advertise Bid Package - Rehab/Replace Additional 2 Miles of 54" PCOP 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	
0100220			· · ·	-	

	nedule - December 2018 Update				Baseline (By Phase) 15-Jan-19 13:15 - Page No. 46
D Activity	y Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
CT35240 Bid Re	eview Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A	
	d Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A	Bid Review Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
	rotest - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A	♦ Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
	rement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A	Bid Protest - Rehab/Replace Additional 2: Miles of 54 PCCP FM in the City
	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	Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
onstruction		856	27-Sep-16 A	15-Jan-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab/Replace Additional 2 Miles of 54" PCCP FM.in the City
CT35270 Contra	actor 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: Miles of 54" PCCP FM in the City
CT22760 Const	truction 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 Substa	tantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		29-Aug-18 A	◆ Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT40430 Projec	ct Closeout - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	90	30-Aug-18 A	15-Jan-19*	
oject Administration		1450	12-Mar-15 A	15-Jan-19	Project Ooseout - Rehab/Replace Additional 2 Miles of 54". PCCP. FM in the City. 15-Jan-19, Project Administration
CT38380 WASE	D Project Administration - Rehab/Replace Additional 2 MIes of 54" PCCP FM in the City	1450	12-Mar-15 A	15-Jan-19	WASD Project Administration - Rehab/Replace Additional 2 Miles of 54" PCOP FM in the City
Replace Approximately	y 30 miles of AC FM Transmission System	2973	28-Aug-12 A	17-Oct-20	WASD Project Administration - Rehab/Replace Additional 2 Mies of 54" PCCP FM in the City The City of the
gineering Design		2087	28-Aug-12 A	04-Mar-19	04-Mar-19, Engineering Design
	Start Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0	01-Nov-13 A		0 miles of AC FM Trans System**
T50840 EPA C	Compliance Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0		09-Oct-14 A	
	eering Design - Replace ~30 miles of AC FM Trans System	2087	28-Aug-12 A	04-Mar-19	gineering Design - Replace ~30 miles of AC FM Trans System** Engineering Design - Replace ~30 miles of AC FM Trans System
mitting		1974	05-Aug-13 A	09-Apr-19	 Lingineering Design - Replace ~30 miles of AC PM mails System Ø9Apr-19, Permitting
J	Start Date for Permitting - Replace ~30 miles of AC FM Trans System**	0	10-Oct-14 A		Perplane 20 miles of AC EM Trans Surtane**
	Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System	0		31-Dec-18*	a - Replace - 30 miles of AC FM Trans System**
	itting - Replace ~30 miles of AC FM Trans System	1835	05-Aug-13 A	09-Apr-19	EPA Compliance Date for Permitting - Replace -30 miles of AC FM Trans System Permitting - Replace -30 miles of AC FM Trans System
curement		1943	16-Dec-13 A	07-Aug-19	V 07-Aug-19, Procurement
	Start Date for Procurement - Replace ~30 miles of AC FM Trans System**	0	10-Oct-15 A		
	Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System	0		11-Apr-19*	Start Date for Procurement - Replace -30 miles of AC FM Trans System**
	rement - Replace ~30 miles of AC FM Trans System	1750	16-Dec-13 A	07-Aug-19	EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System Procurement - Replace ~30 miles of AC FM Trans System
struction		2379	14-Apr-14 A	17-Oct-20	Procurement F Replace ~30 miles of AC FM Trans System
	Start Date for Construction - Replace ~30 miles of AC FM Trans System	0	09-Oct-16 A	11-001-20	
	truction - Replace ~30 miles of AC FM Trans System	1935	14-Apr-14 A	02-Jun-20	EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System Construction - Replace ~30 miles of AC FM Trans System
	tantial Completion (CD Compliance Date 10/17/20) - Replace ~30 miles of AC FM Trans System	0		02-Jun-20*	
	Compliance Date for Construction - Replace ~30 miles of AC FM Trans System	0		17-Oct-20*	◆ Substantial Completion (CD Compliance Date 10/17/20) - Replace + 30 miles of AC R
		1006	24-Oct-17 A	31-Aug-20	
	, (57-59), (64), (66) - Asbestos Concrete Pipe (ACP) Cut and Plug			-	28-Sep-18 A, Pre-Design
Design 22260 Pre-De	points 4.00 (4) (27.20) (44.4E) (E4.E6) (E7.E0) (64) (66)	89 89	24-Oct-17 A 24-Oct-17 A	28-Sep-18 A 28-Sep-18 A	
	esign - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)			04-Mar-19	Pre-Design - 4,09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66).
ineering Design 780970 30% E	Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	127 64	29-Sep-18 A 29-Sep-18 A	31-Dec-18 A	• • • • • • • • • • • • • • • • • • •
		14	•		30% Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	Design Review - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)		31-Dec-18	13-Jan-19	30% Design Review -4.09 (1). (27-28). (44-45). (54-56). (57-59). (64). (66)
	Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	43	14-Jan-19	25-Feb-19	□ 100% Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	leering Design - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	98	29-Sep-18 A	04-Mar-19	Engineering Design - 4.09 (1), (27-28), (44-45), (54-56); (57-59), (64), (66)
	b Design Review/Permit Ready - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	7	26-Feb-19	04-Mar-19	
mitting		36	05-Mar-19	09-Apr-19	
	itting - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	36	05-Mar-19	09-Apr-19	Petmitting - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
T80850 Design	n Documents Sent to Procurement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	120	10-Apr-19	07-Aug-19	V V rug is, i occidincia
		-	10-Apr-19	00 May 40	Design Documents Sent to Procurement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	hit/Approve SBD Goals and Request to Advertise - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	30	10-Apr-19	09-May-19	Submit/Approve SBD Goals and Request to Advertise - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	tise Bid Package - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	10-May-19		◆ Advertise Bid Package - 4:09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	olicitation Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	45	10-May-19	23-Jun-19	Bid \$olicitation Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	Due - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	24-Jun-19		♦ Bids Due -4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	eview Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	15	24-Jun-19	08-Jul-19	📙 Bid Review Period - 4,09 (1); (27-28), (44-45), (54-56), (57-59), (64), (66)
	d Recommendation - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0		08-Jul-19	Award Recommendation - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	rrement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	120	10-Apr-19	07-Aug-19	Procurement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	Approvals -4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	30	09-Jul-19	07-Aug-19	Final Approvals - 4.09 (1), [27-28), (44-45), (54-56), (57-59), (64), (66), 31-Aug-20, Construction
struction		390	08-Aug-19	31-Aug-20	- 31-Aug-20, Construction
	actor Notice to Proceed (NTP) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	08-Aug-19		◆ Contractor Notice to Proceed (NTP) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	truction - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	300	08-Aug-19	02-Jun-20	Construction - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)
	tantial Completion (CD Compliance Date 10/17/20) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0		02-Jun-20*	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (1), (27-28), (44-45), (
	ct Closeout - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	90	03-Jun-20	31-Aug-20*	Project: Closeout:4.09.(1), (27;28), (44-45), (54-56), (57-59), (64), (66).
ect Administration		644	29-Sep-18 A	31-Aug-20	31-Aug-20, Project Administration
	D Project Administration - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64), (66)	644	29-Sep-18 A	31-Aug-20	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.
••••	LF of 12" ACP FM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.	1063	24-Apr-14 A	22-Mar-17 A	
ineering Design		440	24-Apr-14 A	08-Jul-15 A	N, Engineering Design
	eering Design - 4.09 (2)	441	24-Apr-14 A	08-Jul-15 A	Ig Design - 4.09 (2)
mitting	w	77		24-Sep-15 A	ep-15 A, Permitting
	itting - 4.09 (2)	78	09-Jul-15 A	24-Sep-15 A	Permitting - 4.09 (2)
curement		203	26-Oct-15 A	16-May-16 A	▼ 16-May-16 A; Procurement
	n Documents Sent to Procurement - 4.09 (2)	0	26-Oct-15 A		sian Documents Sent to Procurement - 4.09 (2)
	hit/Approve SBD Goals and Request to Advertise - 4.09 (2)	14		08-Nov-15 A	ubmit/Approve SBD Goals and Request to Advertise - 4.09 (2)
r35030 Advert	tise Bid Package - 4.09 (2)	0	09-Nov-15 A		tvertise Bid Package - 4.09 (2)
35040 Bid Sc	olicitation Period - 4.09 (2)	36	09-Nov-15 A	14-Dec-15 A	Bid Solicitation Period - 4.09 (2)
35050 Bids D	Due - 4.09 (2)	0	14-Dec-15 A		Bids Due - 4.09 (2)
35060 Bid Re	eview Period - 4.09 (2)	33	14-Dec-15 A	15-Jan-16 A	Bid Review Period - 4:09 (2)
35070 Award	d Recommendation - 4.09 (2)	0		15-Jan-16 A	Award Récommendation - 4.09 (2)
	rement - 4.09 (2)	204	26-Oct-15 A	16-May-16 A	Award Recommendation - 4.09 (2)
	Approvals - 4.09 (2)	122	16-Jan-16 A	16-May-16 A	
nstruction		309	17-May-16 A	22-Mar-17 A	Final Approvals - 4,09 (2) 22-Mar-17 ⁻ A, Construction
	actor Notice to Proceed (NTP) - 4.09 (2)		17-May-16A		

	cree Schedule - December 2018 Update				Baseline (By Phase) 15-Jan-19 13:15 - Page No. 47 (
)	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2022 2022 2023 4
CT12181	Construction - 4.09 (2)	162	17-May-16 A	25-Oct-16 A	Construction - 4.09 (2)
CT12191	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (2)	0		25-Oct-16 A	
CT40450	Project Closeout - 4.09 (2)	149	25-Oct-16 A	22-Mar-17 A	Substantial Completion (CD Compliance Date 10/17/20) -4.09 (2)
Project Administration		1063	24-Apr-14 A	22-Mar-17 A	Project Cloiseout - 4.09 (2)
CT38370	WASD Project Administration - 4.09 (2)	1064	24-Apr-14 A	22-Mar-17 A	
.09 (3-5, 8) RPQ T18	811 Replacement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.	1668	28-Aug-12 A	22-Mar-17 A	WASD Project Administration - 4.09 (2) 22-Mar-17 A, 4.09 (3-5, 8) RPQ T1811 Replacement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.
Engineering Design		244	28-Aug-12 A	02-Aug-13 A	
CT12201	Engineering Design - 4.09 (3-5,8)	244	28-Aug-12 A	02-Aug-13 A	-5.8
Permitting		100	05-Aug-13 A	20-Dec-13 A	
CT12211	Permitting - 4.09 (3-5,8)	100	05-Aug-13 A	20-Dec-13 A	Permitting - 4.09 (3-5.8)
Procurement		85	16-Dec-13 A	11-Apr-14 A	
CT12221	Procurement - 4.09 (3-5,8)	85	16-Dec-13 A	11-Apr-14 A	Procurement - 4.09 (3-5,8)
Construction		1074	14-Apr-14 A	22-Mar-17 A	22-War-17 A, Cohstruction
CT12231	Construction - 4.09 (3-5,8)	86	14-Apr-14 A	11-Aug-14 A	Construction - 4.09 (3-5,8)
CT12241	Substantial Completion (CD Compliance Date 10/17/20) - 4.9 (3-5,8)	0		11-Aug-14 A	pliance Date 10/17/20) - 4.9 (3-5.8)
CT80630	Project Closeout - 4.9 (3-5,8)	149	25-Oct-16 A	22-Mar-17 A	Project Cloiseout - 4.9 (3-5.8)
Project Administration	1	510	28-Aug-12 A	11-Aug-14 A	in the second seco
CT38500	WASD Project Administration - 4.09 (3-5,8)	510	28-Aug-12 A	11-Aug-14 A	09 (35.8)
.09 (6-7) Replace 32	25LF of 6" ACP FM from PS #0362 to NW52nd Ct. and 190th St. & 400LF 10" to 189th	1160	29-Aug-14 A	28-Feb-19	28-Feb-19, 4.09 (6-7) Replace 325LF of 6",ACP FM from PS #0362 to NW 52nd Ct. and 190th St. & 400LF 10" to 189th
Pre-Design		209	29-Aug-14 A	26-Mar-15 A	-Design
CT22270	Pre-Design - 4.09 (6-7)		29-Aug-14 A	26-Mar-15 A	(6-7)
ngineering Design		220	27-Mar-15 A	02-Nov-15 A	Nov-15 A, Engineering Design
CT12251	Engineering Design - 4.09 (6-7)	221	27-Mar-15 A	02-Nov-15 A	gineéring Design - 4.09 (6-7)
ermitting		155	03-Nov-15 A	06-Apr-16 A	06-Apr-16A, Permitting
CT12261	Permitting - 4.09 (6-7)	156	03-Nov-15 A	06-Apr-16 A	Permitting - 4.09 (6 . 7)
ocurement		438	15-Apr-16 A	26-Jun-17 A	26-Jun-17A, Procurement
CT35280	Design Documents Sent to Procurement - 4.09 (6-7)	0	15-Apr-16 A		◆ Design Documents Sent to Procurement - 4.09 (6-7)
T35290	Submit/Approve SBD Goals and Request to Advertise - 4.09 (6-7)	73	15-Apr-16 A	26-Jun-16 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (6-7)
T35300	Advertise Bid Package - 4.09 (6-7)	0	27-Jun-16 A		Advertise Bid Parkage - 4.09 (6-7)
T35310	Bid Solicitation Period - 4.09 (6-7)	30	27-Jun-16 A	26-Jul-16 A	
T35320	Bids Due - 4.09 (6-7)	0			Bid Solicitation Period - 4.09 (6-7)
T35330	Bid Review Period - 4.09 (6-7)	46	27-Jul-16 A	10-Sep-16 A	♦ Bids Dué - 4.09 (6-7)
735340	Award Recommendation - 4.09 (6-7)		21-50-10 A	10-Sep-16 A	Bid Review Period - 4.09 (6-7)
			11 Can 10 A	· ·	Award Recommendation - 4.09 (6-7)
CT35350	Final Approvals - 4.09 (6-7)	19	11-Sep-16 A	29-Sep-16 A	Final Approvals +4.09 (6-7)
CT51010	P.O. Issued - 4.09 (6-7)	0		29-Sep-16 A	◆ P.O. Issued - 4.09 (6-7)
CT80450	Contractor Withdrew Bid - 4.09 (6-7)	0	25-Jan-17 A		◆ Contractor Withdrew Bid - 4.09 (6-7)
CT80460	Bid Review Period (Second Bidder) - 4.09 (6-7)	41	25-Jan-17 A	06-Mar-17 A	Bid Review Period (Second Bidder) - 4.09 6-7)
CT80470	Award Recommendation (Second Bidder) - 4.09 (6-7)	0		06-Mar-17 A	Award Recommendation (Second Bidder) - 4.09/(6-7)
CT12271	Procurement - 4.09 (6-7)	168	15-Apr-16 A	26-Jun-17 A	Procurement - 4.09 (6-7)
CT80480	Final Approvals (Second Bidder) - 4.09 (6-7)	112	07-Mar-17 A	26-Jun-17 A	Final Approvals (Second Bidder) - 4.09 (6-7)
CT80490	P.O. Issued (Second Bidder) - 4.09 (6-7)	0		26-Jun-17 A	P.O. Issueld (Second Bidder) - 4.09(16-7) 28-Feb-19, Construction
onstruction		128	26-Jun-17 A	28-Feb-19	28-Feb-19, Construction
CT35360	Contractor Notice to Proceed (NTP) - 4.09 (6-7)	0	26-Jun-17 A		Contractor Notice to Proceed (NTP) - 4.09 (6-7)
CT12281	Construction - 4.09 (6-7)	54	26-Jun-17 A	18-Aug-17 A	Construction - 4.09 (6-7)
T12291	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (6-7)	0		18-Aug-17 A	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (6-7)
T40460	Project Closeout - 4.09 (6-7)	74	19-Aug-17 A	28-Feb-19*	
ject Administration	1	950	27-Mar-15 A	28-Feb-19	Project Closeout - 4.09 (6-7) 28-Feb-19, Project Administration
T38360	WASD Project Administration - 4.09 (6-7)	950	27-Mar-15 A	28-Feb-19	WASD Project Administration -4.09 (6-7)
9 (9-13) Replacem	nent of 6, 8 and 12" ACP FM Between PS#0385, PS#0374 and NW 119th St/37th Ave.	1075	28-Aug-12 A	07-Aug-15 A	15 A 4.09 (9-13) Replacement of 6,8 and 12' ACP FM Between PS#0385, PS#0374 and NW 119th St./37th Ave.
gineering Design		394	28-Aug-12 A	28-Feb-14 A	
T12301	Engineering Design - 4.09 (9-13)	394	28-Aug-12 A	28-Feb-14 A	
mitting		65	03-Mar-14 A	31-May-14 A	
F12311	Permitting - 4.09 (9-13)	65	03-Mar-14 A	31-May-14 A	Permitting - 4,09 (9:13)
curement		177	01-Jun-14 A	03-Feb-15 A	ement
T12321	Procurement - 4.09 (9-13)	177	01-Jun-14 A	03-Feb-15 A	Procurement - 4.09 (9-13)
nstruction		185	04-Feb-15 A	07-Aug-15 A	
F12331	Construction - 4.09 (9-13)	133	04-Feb-15 A	07-Aug-15 A	Construction - 4.09 (9-13)
Г12341	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (9-13)	0		07-Aug-15 A	
pject Administration	1	769	28-Aug-12 A	07-Aug-15 A	tial Completion (CD Compliance Date 10/17/20) - 4.09:(9-13) 15 A Project Administration
T38490	WASD Project Administration - 4.09 (9-13)	769	28-Aug-12 A	07-Aug-15 A	Project Administration - 4:09 (9-13)
9 (14-19) Replacer	ment of 6, 8 & 10" ACP FM Around PS#0376, 0427, 0375, 0377 and 0368	1010	28-Aug-12 A	03-Jun-15 A	Project Administration - 4.09 (9-13) 4.09 (14-19) Replacement of 6, 8 & 10" ACP FM Around PS#0376, 0427, 0375, 0377 and 0368
gineering Design		415	28-Aug-12 A	31-Mar-14 A	
T12351	Engineering Design - 4.09 (14-19)	415	28-Aug-12 A	31-Mar-14 A	4.19)
rmitting		65	01-Apr-14 A	30-Jun-14 A	
T12361	Permitting - 4.09 (14-19)	65	01-Apr-14 A	30-Jun-14 A	Permitting - 4.09 (14-19)
ocurement		164	01-Jul-14 A	15-Feb-15 A	ement
T12371	Procurement - 4.09 (14-19)	164	01-Jul-14 A	15-Feb-15 A	Procurement - 4.09 (14-19)
onstruction		107	17-Feb-15 A	03-Jun-15 A	Construction
CT12381	Construction - 4.09 (14-19)	77	17-Feb-15 A	03-Jun-15 A	Construction - 4.09 (14-19)
CT12391	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (14-19)	0		03-Jun-15 A	ompletion, (CD, Compliance Date 10/17/20) - 4.09 (14-19)
oject Administration	1	722	28-Aug-12 A	03-Jun-15 A	Project Administration
T38520	WASD Project Administration - 4.09 (14-19)	722		03-Jun-15 A	ct Administration : (4.09 (14-19)
9 (20-21) Replace	467LF 8" ACP FM from PS#0366 to NW42ndPI/199thTer.& 1792LF 10"- 39thCt/199th St	1133	29-Aug-14 A	31-Jan-19	31-Jan-19, 4.09 (20-21) Replace 467LF 8" ACP FM from PS#0366 to NW 42ndPI/199thTer.& 1792LF 10"- 39thCl/199th 31-Jan-19, 4.09 (20-21) Replace 467LF 8" ACP FM from PS#0366 to NW 42ndPI/199thTer.& 1792LF 10"- 39thCl/199th
e-Design			29-Aug-14 A	30-Apr-15 A	re-Delagn
CT20030	Pre-Design - 4.9 (20-21)	245		30-Apr-15 A	9 (20:21)
		150	30-Apr-15 A	29-Sep-15 A	

/ ID	Activity Name	Original	Start	dard Layout w	Baseline (By Phase) 15-Jan-19 13:15 Page No. 48 2016 2017 2018 2020 2021 2022 2023
		Original Duration	Start	FILIST	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
CT31001	30% Design Submittal - 4.09 (20-21)	34	01-May-15 A	03-Jun-15 A	
CT31011	60% Design Submittal - 4.09 (20-21)	28	04-Jun-15 A	01-Jul-15 A	n Submittal - 4.09 (20-21)
CT31021	90% Design Submittal - 4.09 (20-21)	22	02-Jul-15 A	23-Jul-15 A	ign Submittal - 4.09 (20-21)
CT12401	Engineering Design - 4.09 (20-21)	152	30-Apr-15 A	29-Sep-15 A	neering Design - 4.09 (20-21)
ermitting		83	29-Sep-15 A	21-Dec-15 A	21-Dec-15;A, Permitting
CT12411	Permitting - 4.09 (20-21)	84	29-Sep-15 A	21-Dec-15 A	Fernitting - 4.09 (20-21)
rocurement		170	22-Dec-15 A	09-Jun-16 A	09-Jun-16 A, Procurement
CT35370	100% Design Documents Sent to Procurement - 4.09 (20-21)	0	22-Dec-15 A	00 14	100% Design Documents Sent to Procurement-4.09 (20-21)
CT35380	Submit/Approve SBD Goals and Request to Advertise - 4.09 (20-21)	76	22-Dec-15 A	06-Mar-16 A	Submit/Approve SBD Goals and Request to Adventise 4.09 (20-21)
CT35390	Advertise Bid Package - 4.09 (20-21)	0	07-Mar-16 A	05 4 40 4	Adventise Bid Package -4.09 (20-21)
CT35400	Bid Solicitation Period - 4.09 (20-21)	30	07-Mar-16 A	05-Apr-16 A	🔲 Bid Solicitation Period - 4.09 (20-2)1)
CT35410	Bids Due - 4.09 (20-21)	0	06-Apr-16 A	00.4==40.4	→ Bids Due 4.09 (20-21)
CT35420	Bid Review Period - 4.09 (20-21)	23	06-Apr-16 A	28-Apr-16 A	Bid Review Period - 4.09 (20-21)
CT35430	Award Recommendation - 4.09 (20-21)	0	00 D 45 A	28-Apr-16 A	Award Recommendation -4.09 (20-21)
CT12421	Procurement - 4.09 (20-21)	171	22-Dec-15 A	09-Jun-16 A	Procurement - 4.09 (20-21)
CT35440	Final Approvals - 4.09 (20-21)	43	28-Apr-16 A	09-Jun-16 A	Einal Approvals - 4.09 (2021)
CT50960	P.O. Issued - 4.09 (20-21)	0	00 4	09-Jun-16 A	P.O. Issued - 4.09 (20-21) 31-Jan-19, Construction
Distruction CT35450	Contractor Notice to Proceed (NTP) - 4.09 (20-21)	409	22-Aug-16 A 22-Aug-16 A	31-Jan-19	
CT12431	Construction - 4.09 (20-21)	197	22-Aug-16 A	06-Mar-17 A	Contractor Notice to Proceed (NTP) -4.09 (20-21)
T12431	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (20-21)	197	22-Hug-10 A	06-Mar-17 A	Construction - 4.09 (20-21)
T40470	Project Closeout - 4.09 (20-21) Project Closeout - 4.09 (20-21)	212	07-Mar-17 A	31-Jan-19*	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (20-21)
pject Administration		888	07-Mar-17 A 01-May-15 A	31-Jan-19" 31-Jan-19	Project Closeout - 4 09 (20-21).
OJECT Administration T38350	MASD Project Administration - 4.09 (20-21)	888	01-May-15 A 01-May-15 A	31-Jan-19 31-Jan-19	
	ent of 2,013 LF of 6" ACP FM from PS#358 to PS#0352	1065	01-Nov-14 A	02-Aug-18 A	✓ WASD Project Administration - 4:09 (20-21), ✓ 02-Aug 18 A, 4:09 (22) Replacement of 2:013 LF of 6 ACP FM from PS#358 to PS#0352
e-Design		180	01-Nov-14 A	30-Apr-15 A	re-Design
T22280	Pre-Design - 4.09 (22)	181	01-Nov-14 A	30-Apr-15 A	
gineering Design		87	01-May-15 A	27-Jul-15 A	09 (22) A, Eng incering Design
CT37360	30% Design Submittal - 4.09 (22)	29	01-May-15 A	29-May-15 A	Submittal - 4.09 (22)
CT37370	60% Design Submittal - 4.09 (22)	26	01-Jun-15 A	26-Jun-15 A	Submittal - 4.09 (22)
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)
mitting		126	14-Aug-15 A	18-Dec-15 A	18-Dec-15 A, Permitting
T12461	Permitting - 4.09 (22)	127	14-Aug-15 A	18-Dec-15 A	Permitting - 4.09 (22)
rocurement		154	18-Dec-15 A	20-May-16 A	V 20-May-16 A, P rocurement
CT35460	Design Documents Sent to Procurement - 4.09 (22)	0	18-Dec-15 A		Design Documents Sent to Procurement + 4.09 (22)
CT35470	Submit/Approve SBD Goals and Request to Advertise - 4.09 (22)	80	18-Dec-15 A	06-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise -4.09 (22)
T35480	Advertise Bid Package - 4.09 (22)	0	07-Mar-16 A		◆ Advertise Bid Package -4.09 (22)
CT35490	Bid Solicitation Period - 4.09 (22)	28	07-Mar-16 A	03-Apr-16 A	Bid Solicitation Period - 4.09 (22)
CT35500	Bids Due - 4.09 (22)	0	04-Apr-16 A		◆ Bid\$ Due - 4.09 (22)
CT35510	Bid Review Period - 4.09 (22)	7	04-Apr-16 A	10-Apr-16 A	Bid Review Period - 4/09 (22)
CT35520	Award Recommendation - 4.09 (22)	0		11-Apr-16 A	♦ Award Recommendation - 4.09 (22)
CT12471	Procurement - 4.09 (22)	155	18-Dec-15 A	20-May-16 A	Procurement - 4.09 (22)
CT35530	Final Approvals - 4.09 (22)	39	12-Apr-16 A	20-May-16 A	Final Approvals - 4.09 (22)
CT50970	P.O. Issued - 4.09 (22)	0		20-May-16 A	◆ P.O. Issued -4.09 (22)
Construction		363	03-Oct-16 A	02-Aug-18 A	v2:Aug 18 A, Constructor
CT35540	Contractor Notice to Proceed (NTP) - 4.09 (22)	0	03-Oct-16 A		Contractor Notice to Proceed (NTP) - 4.09 (22)
CT12481	Construction - 4.09 (22)	150	03-Oct-16 A	01-Mar-17 A	Construction - 4.09 (22)
CT12491	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (22)	0		01-Mar-17 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (22)
CT40480	Project Closeout - 4.09 (22)	213	02-Mar-17 A	02-Aug-18 A	Project Closeout - 4:09 (22). 02-Aug 18 A, Project Administration
roject Administration		884	01-May-15 A	02-Aug-18 A	
CT38340	WASD Project Administration - 4.09 (22)	884	01-May-15 A	02-Aug-18 A	WASD Project Administration - 4/09 (22) 3 Jan 19, 4/09 (23) Replacment of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286LF Along 187 Ave
• • •	nt of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286LF Along 187 Ave.	1265	03-Jun-15 A	31-Jan-19	
re-Design		194	03-Jun-15 A	14-Dec-15 A	14-Dec-15 A, Pre-Design
CT22290	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
Engineering Design	20% Decise Submitted 4.00 (22)	226	14-Dec-15 A	27-Jul-16 A	
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)
CT12501	Engineering Design - 4.09 (23) 90% Design Submittal - 4.09 (23)	137 34	14-Dec-15 A	28-Apr-16 A	Engineering Design + 4.09 (23)
CT35021 CT50310	• • • • •	34	26-Mar-16 A	28-Apr-16 A 06-May-16 A	90% Design Submittal - 4,09 (23)
CT50540	90% Design Review - 4.09 (23)	8	29-Apr-16 A	27-Jul-16 A	┃ 90% Design Review: - 4.09 (23)
	100% Design Submittal Permit Ready - 4.09 (23)	92	07-May-16 A 28-Jul-16 A	27-Jui-16 A 28-Oct-16 A	100% Design Submittal Permit Ready :- 4.09 (23)
ermitting CT50230	Public Works Permit - 4.09 (23)	92	28-Jul-16 A 28-Jul-16 A	28-Oct-16 A 27-Oct-16 A	
CT12511	Permitting - 4.09 (23)	92	28-Jul-16 A	27-Oct-16 A 28-Oct-16 A	Fublic Works; Permit - 4.09 (23)
CT50220	RER DERM Permit - 4.09 (23)	93	28-Jul-16 A	28-Oct-16 A 28-Oct-16 A	Permitting - 4.09 (23)
		380		28-Oct-16 A 07-Dec-17 A	RER DERM Permit + 4.09/(23)
rocurement CT80270	GMOU submittal and approval - 4.09 (23)	23	02-Dec-16 A 02-Dec-16 A	07-Dec-17 A 24-Dec-16 A	
CT80270	Internal Bid Package Review - 4.09 (23)	23	16-Mar-17 A	24-Dec-16 A 21-Mar-17 A	GMOU submittal and approval - 4.09 (23)
		0		21-1VIa(-17 A	I Internal Bid Package Review - 4.09 (23)
CT35550	Design Documents Sent to Procurement - 4.09 (23)		21-Mar-17 A	19 Apr 17 A	◆ Design Documents Sent to Procurement - 4.09 (23)
CT35560	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)	29		18-Apr-17 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)
CT35570	Advertise Bid Package - 4.09 (23)	0	19-Apr-17 A	40. http://	Advertise Bid Package - 4.09 (23)
CT35580	Bid Solicitation Period - 4.09 (23)	56	19-Apr-17 A	13-Jun-17 A	Bid Solicitation Period - 4.09 (23)
CT35590 CT35600	Bids Due - 4.09 (23)	0	14-Jun-17 A		♦ Bids Due - 4.09 (23)
	Bid Review Period - 4.09 (23)	125	14-Jun-17 A	02-Oct-17 A	Bid Review Period - 4.09 (23)

	Pree Schedule - December 2018 Update			Baseline (By Phase) 15-Jan-19 13:15 - Page No. 49
D	Activity Name	Original Start Duration	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
CT35610	Award Recommendation - 4.09 (23)	0	02-Oct-17 A	
CT12521	Procurement - 4.09 (23)	240 21-Mar-17		Award Recommendation - 4,09 (23) Procurement - 4.09 (23)
T35620	Final Approvals - 4.09 (23)	30 03-Oct-17		
nstruction		292 03-Jan-18/		Einal Approvals - 4.09 (3) 31-Jan-19, Construction
T35630	Contractor Notice to Proceed (NTP) - 4.09 (23)	0 03-Jan-18		Contractor Notide to Proceed (NTP) - 4.09 (23)
T12531	Construction - 4.09 (23)	230 03-Jan-18 /	15-Jun-18 A	Construction - 4.09 (23)
T12541	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (23)	0	15-Jun-18 A	♦ Substantia Completion (CD Compliance Date 10/17/20) - 4.09 (23)
T40490	Project Closeout - 4.09 (23)	90 16-Jun-18 /	31-Jan-19*	
oject Administration		1020 17-Dec-15	A 31-Jan-19	Project Qosedut - 4 09 (23) ▼ 31-Jan-19, Project Administration
T38330	WASD Project Administration - 4.09 (23)	1020 17-Dec-15	A 31-Jan-19	WASD Project Administration - 4,09 (23)
9 (24) Replacemer	nt of 840 LF of 8" ACP FM Along NW 49th Ct.from PS#0353 to NW 177th St.	1065 01-Nov-14 A	30-Sep-17 A	 WASD Project Administration - 4.09 (23) ✓ 30-Şep-17 A, 4.09 (24) Replacement of 840 LF of 8°ACP FM Along NW 49th Ct.from PS#0353 to NW 177th St.
-Design		141 01-Nov-14 /	22-Mar-15 A	Design
Г22300	Pre-Design - 4.09 (24)	142 01-Nov-14	22-Mar-15 A	(24)
gineering Design		332 23-Mar-15		V 18-Feb-16 A; Engrieering Design
F12551	Engineering Design - 4.09 (24)	333 23-Mar-15		Engineering Design - 4.09 (24)
mitting		41 19-Feb-16 /		The state of the s
T12561	Permitting - 4.09 (24)	42 19-Feb-16		Permitting - 4.09 (24)
curement	Desire Desurrente Cent (s. Desurrente st. 4.00 (04)	84 07-Apr-16		
T35640	Design Documents Sent to Procurement - 4.09 (24)	0 07-Apr-167		♦ Design Documents Sent to Procurement - 4.09 (24)
T35650	Submit/Approve SBD Goals and Request to Advertise - 4.09 (24)	8 07-Apr-16 /		Submit/Approve SBD/Goals and Request to Advertise - 4.09 (24)
T35660	Advertise Bid Package - 4.09 (24)	0 15-Apr-16/		Advertise Bid Package - 4.09 (24)
35670	Bid Solicitation Period - 4.09 (24)	27 15-Apr-16 /		Bid Solicitation Period - 4.09 (24)
35680	Bids Due - 4.09 (24)	0 12-May-16/		♦ Bids Due - 4.09 (24)
35690	Bid Review Period - 4.09 (24)	2 12-May-16		I Bid Review Period -4.09 (24)
35700	Award Recommendation - 4.09 (24)	0	13-May-16 A	◆ Award Recommendation - 4.09 (24)
12571	Procurement - 4.09 (24)	85 07-Apr-16		Procurement - 4.09 (24)
35710	Final Approvals - 4.09 (24)	46 16-May-16		Final Approvals. 4.09.(24) 30-\$ep-17 A, Construction
struction	Contractor Nation to Drawnod (NED) 4.00 (24)	384 12-Sep-16		
35720	Contractor Notice to Proceed (NTP) - 4.09 (24)	0 12-Sep-16		Contractor Notice to Proceed (NTP) - 4.09/(24)
12581	Construction - 4.09 (24)	46 12-Sep-16		Construction - 4.09 (24)
12591	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (24)	0	27-Oct-16 A	Substantial Completion (CD Compliance Date 10/17/20) -4.09 (24)
40500	Project Closeout - 4.09 (24)	338 28-Oct-16		Project Closeout - 4.09 (24)
ect Administration 38320	WASD Project Administration - 4.09 (24)	923 23-Mar-15 / 923 23-Mar-15 /		
	nent of 1040 LF of 10" ACPFM from NW173rd Dr/52nd Ave. to NW 177th St/52nd Ave.	1066 01-Nov-14	•	WASD Project Administration - 4.09 (24) ↓ 06-Sep-17 A, 4.09 (25-26) Replacement of 1040 LF of 10"ACP FM from WW173rd Di/52nd Ave. to NW 177th St/52nd Ave.
-Design		180 01-Nov-14		re-Design
22310	Pre-Design - 4.09 (25-26)	181 01-Nov-14		
ineering Design		117 30-Apr-15		19 (25-20) -15 A Engineering Design
37390	30% Design Submittal - 4.09 (25-26)	34 01-May-15	A 03-Jun-15 A	Submittal - 4.09 (25-26);
37400	60% Design Submittal - 4.09 (25-26)	26 04-Jun-15	29-Jun-15 A	n Submittal - 4.09 (25-26)
37410	90% Design Submittal - 4.09 (25-26)	24 30-Jun-15	23-Jul-15 A	ign Submittal - 4.09 (25-26)
12601	Engineering Design - 4.09 (25-26)	118 30-Apr-15	25-Aug-15 A	ering/besign - 4.09 (25-26)
mitting		43 29-Sep-15	A 11-Nov-15 A	-Nov-15 A, Permitting
F12611	Permitting - 4.09 (25-26)	44 29-Sep-15	A 11-Nov-15A	Permitting - 4,09 (25-26)
curement		243 11-Nov-15 A	11-Jul-16 A	11-Jul-16'A, Procurement
F35730	Design Documents Sent to Procurement - 4.09 (25-26)	0 18-Dec-15	4	Design Documents Sent to Procurement - 4.09 (25-26)
35740	Submit/Approve SBD Goals and Request to Advertise - 4.09 (25-26)	87 18-Dec-15	A 13-Mar-16 A	Submit/Approve SBD Gpals and Reguest to Advertise - 4.09 (25-26)
35750	Advertise Bid Package - 4.09 (25-26)	0 14-Mar-16	4	Advertise Bid Package - 4.09 (25-26)
35760	Bid Solicitation Period - 4.09 (25-26)	52 14-Mar-16		Bid Solicitation Period - 4.09 (25-26)
35770	Bids Due - 4.09 (25-26)	0 05-May-16		◆ Bids Due - 4.09 (25-26)
35780	Bid Review Period - 4.09 (25-26)	7 05-May-16	A 11-May-16 A	Bid Review Period -4.09 (25-26)
35790	Award Recommendation - 4.09 (25-26)	0	11-May-16 A	◆ Award Recommendation - 4.09 (25-26)
12621	Procurement - 4.09 (25-26)	244 11-Nov-15 A		Procurement - 4.09 (25-26)
35800	Final Approvals - 4.09 (25-26)	61 12-May-16		Final Approvals-4.09 (25-26)
50980	P.O. Issued - 4.09 (25-26)	0	11-Jul-16 A	◆ P.Q. Jssued - 4.09 (25-26)
struction		360 07-Oct-16		 P.O. Issued - 4.09 (25-26). ✓ 06-Sep-17 A. Construction
35810	Contractor Notice to Proceed (NTP) - 4.09 (25-26)	0 07-Oct-16		Contractor Notice to Proceed (NTP) - 4.09 (25-26)
12631	Construction - 4.09 (25-26)	179 07-Oct-16		Construction - 4.09 (25-26)
12641	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)	0	03-Apr-17 A	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)
40510	Project Closeout - 4.09 (25-26)	181 04-Apr-17		Project Closeout -4.09. (25-26) 06-Sep-17 A, Project Administration
ect Administration		885 01-May-15		-
38310	WASD Project Administration - 4.09 (25-26)	885 01-May-15		WASD Protect Administration 4.09/25-26) 18:Apr-19, 4.09 (29-31) Replace 6" & 12" ACPPVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#08
• • •	6" & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812	1844 01-Apr-14		To;Apr-19, 4.09 (29-31) Replace 6 & 12" ACP/PV C;FMs from 10/th Ave and SW /6 St. and 10" FM from PS#08
Design		181 01-Apr-14		
22580	Pre-Design - 4.09 (29-31)	182 01-Apr-14		A Nov145 A Engineering Design
ineering Design	Environment Device (4.00/20.24)	415 30-Sep-14		9-Nov15 A, Engineering Design
12751	Engineering Design - 4.09 (29-31)	416 30-Sep-14		ngineering Design - 4.09 (29-31)
mitting	Mineri Dada Duklia Marka Damit. 4 00 (00 04)	397 07-Apr-16/		V 09-May-17 A,/Permitting
50490	Miami Dade Public Works Permit - 4.09 (29-31)	131 07-Apr-16		Niami Dade Public Works Permit - 4.09 (29-31)
12761	Permitting - 4.09 (29-31)	398 07-Apr-16		Permitting - 4:09 (29-31)
50480	RER DERM/FDEP Permit - 4.09 (29-31)	362 13-May-16		RER DERM/FDEP Permit-4.09 (29-31)
curement		229 01-Mar-17		22-Sep-17.A, Procurement
T80280	GMOU submittal and approval - 4.09 (29-31)	21 01-Mar-17		GMOU submittal and approval - 4.09 (29-81)
T80180	Internal Bid Package Review - 4.09 (29-31)	12 21-Apr-17	02-May-17 A	Internal Bid Package Review - 4,09 (29-31)
T35910	Design Documents Sent to Procurement - 4.09 (29-31)	0 03-May-17		

	ecree Schedule - December 2018 Update	i		d Layout w			se)	0017					13:15 - Page	No. 50
y ID	Activity Name	Original Duration	Start	Finish		016	4 01	2017 2018	2019 2020 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3		2021	2022	2023	04
CT35920	Submit/Approve SBD Goals and Request to Advertise - 4.09 (29-31)	22 (03-May-17 A	24-May-17 A					Request to Advertise - 4.09 (29-31)					
CT35930	Advertise Bid Package - 4.09 (29-31)	0 2	25-May-17 A	•				 Submit/Additive SBD Goals and Advertise Bid Package - 4.09 (2) 						
CT35940	Bid Solicitation Period - 4.09 (29-31)	54 2	25-May-17 A	17-Jul-17 A				 Bid Solicitation Period - 4.09 						
CT35950	Bids Due - 4.09 (29-31)	0	18-Jul-17 A					 Bids Due - 4.09 (29-31) 	(2551)					
CT35960	Bid Review Period - 4.09 (29-31)	29	18-Jul-17 A	15-Aug-17 A				 Bid Review Period - 4.09 (2 	29-31					
CT35970	Award Recommendation - 4.09 (29-31)	0		15-Aug-17 A				 Award Recommendation - 						
CT12771	Procurement - 4.09 (29-31)	166 (03-May-17 A	22-Sep-17 A	-		-	Awaid Recommendation	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.(2	29.31)					
Construction		384	05-Mar-18 A	18-Apr-19		1			18 Apr-19, Construction				1 1 1 1	1
CT35990	Contractor Notice to Proceed (NTP) - 4.09 (29-31)	0	05-Mar-18 A					◆ Contractor N	lotice to Proceed (NTP) - 4.09 (29-31)					
CT12781	Construction - 4.09 (29-31)	320	05-Mar-18 A	18-Jan-19		-				Constructic	on - 4.09 (29-31)			
CT12791	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29-31)	0		18-Jan-19*					 Substantial Completion (CD Compliance) 	Date 10/17/2	20) - 4.09 (29-31)			
CT40540	Project Closeout - 4.09 (29-31)	90	19-Jan-19	18-Apr-19*					Project Closeout - 4.09 (29-31) 18-Apr-19, Project Administration					
Project Administration			30-Sep-14 A	18-Apr-19		1	:		18 Apr-19, Project Administration					
CT38280	WASD Project Administration - 4.09 (29-31)	1522	30-Sep-14 A	18-Apr-19		<u> </u>			WASD Project Administration - 4.0 28-Feb-19, 4.09 (32) Replacement of	(29-31)	0.00.000.0000.00			
4.09 (32) Replaceme	ent of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St . to Kandale Blvd		26-Nov-14 A	28-Feb-19					28-Feb-19, 4.09 (32) Replacement of	.84 LF of 12	" AOP FM in SVV 10	/th Ave. from 104th	St. to Kandale BIN	vd.
Pre-Design				30-Apr-15 A	re-Design									
CT22340	Pre-Design - 4.09 (32)			30-Apr-15 A	09 (32)									
Engineering Design	200/ Design Cubreittel 4.00.(22)			12-Aug-15 A	- A; Engi	ineering De	sign							
CT37420	30% Design Submittal - 4.09 (32)			24-Jun-15 A	_h Submitta	al - 4.09 (32)							
CT37430	60% Design Submittal - 4.09 (32)			21-Jul-15 A	qn Submit	tal - 4.09 (32)							
CT37440	90% Design Submittal - 4.09 (32)			12-Aug-15 A		nittal - 4.09								
CT12801	Engineering Design - 4.09 (32)			12-Aug-15 A		n - 4.09 (3		····					<u>↓</u>	
Permitting				21-Dec-15 A	∠1-Dec-1	5 A, Permit	ung							
CT12811	Permitting - 4.09 (32)		· ·	21-Dec-15 A			Wa 16 A	, Procurement	Permitting - 4.09 (32)				Ļļļ	
Procurement	Desire Desuments Cant to Desurement 4.00 (00)			22-Aug-16 A		₹ 22-1	-uy-16 A	rioculement						
CT36000	Design Documents Sent to Procurement - 4.09 (32)		22-Dec-15 A		Design Do	ocuments	Sent to P	Procurement - 4.09 (32)						
CT36010	Submit/Approve SBD Goals and Request to Advertise - 4.09 (32)			14-Mar-16 A	Sub	mit/Approv	e \$BD G	Soals and Request to Advertise - 4.09	(32)					
CT36020	Advertise Bid Package - 4.09 (32)		15-Mar-16 A		Adv	ertise Bid F	aokage	- 4.09 (32)						
CT36030	Bid Solicitation Period - 4.09 (32)			13-Apr-16 A	🗖 🗖 Bi	id Solicitatio	on Period	d - 4.09 (32)						1 1
CT36040	Bids Due - 4.09 (32)		14-Apr-16 A		🔶 Bi	ids Due - 4	09 (32)							
CT36050	Bid Review Period - 4.09 (32)	15	14-Apr-16 A	28-Apr-16 A	. E	Bid Review	Period -	4.09 (32)						
CT36060	Award Recommendation - 4.09 (32)	0		28-Apr-16 A	♦ A	Award Reco	mmend	lation - 4.09 (32)						
CT12821	Procurement - 4.09 (32)	245	22-Dec-15 A	22-Aug-16 A	-				Procurement - 4.09 (32)					1 1
CT36070	Final Approvals - 4.09 (32)	117	28-Apr-16 A	22-Aug-16 A		Fina		/als - 4.09 (32)						
CT51020	P.O. Issued - 4.09 (32)	0		22-Aug-16 A		1.1.1	1.1	-4.09 (32)						
Construction		363	14-Feb-17 A	28-Feb-19			V	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	28-Feb-19, Construction					
CT36080	Contractor Notice to Proceed (NTP) - 4.09 (32)	0	14-Feb-17 A				• 0	Contractor Notice to Proceed (NTP) - 4	1.09 (32)					
CT12831	Construction - 4.09 (32)	242	14-Feb-17 A	13-Oct-17 A		-				Constructic	on - 4.09 (32)			
CT12841	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (32)	0		13-Oct-17 A				Substantial Completion	n (CD Compliance Date 10/17/20) - 4.09 (32)					
CT40550	Project Closeout - 4.09 (32)	90	14-Oct-17 A	28-Feb-19*										
Project Administration	n	987 (01-May-15 A	28-Feb-19		1 1	:		Project Closeout - 4.09 (32) 28-Feb-19, Project Administration				1 1 1	
CT38270	WASD Project Administration - 4.09 (32)	987 (01-May-15 A	28-Feb-19		<u></u>	<u></u>		WASD Project Administration - 4.09 (3	2)				
4.09 (33) Replace 17	701 LF 4" ACP from PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.	954	12-Feb-16 A	31-Aug-18 A					WASD Project Administration - 4.09 (3 31-Aug-18 A, 4.09 (33) Replace 1701 LF 4" ACP f	om PVT PS :	at SW104th Ave. &	169th St. to MH42 a	at SW103rd Ave.	
Engineering Design		73	12-Feb-16 A	25-Apr-16 A	2	25-Apr-16 A	, Engine	ering Design						
CT12851	Engineering Design - 4.09 (33)	74	12-Feb-16 A	25-Apr-16 A	. 📥 . F	ngineering	Design	- 4.09 (33)					<u>.</u>	
Permitting				20-Jun-16 A		🗸 20-Jun-	I6A, Per	mitting						
CT50300	Miami Dade Public Works Permit - 4.09 (33)			26-May-16 A		1	i		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	10-May-16 A	20-Jun-16 A		1			RER (DERM) / FDEP Permit - 4.09 (33)					
Construction			-	13-Oct-16 A			13-Oct-16	6 A, Construction						
CT12881	Construction (WASD h House) - 4.09 (33)		-	12-Aug-16 A		i • 🗂				Constructic	on (WASD h House)	- 4.09 (33)		
CT12891	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (33)	0		12-Aug-16 A		♦ Sub	stantial C	Completion (CD Compliance Date 10/1	7/20) - 4.09 (33)					
CT40560	Project Closeout - 4.09 (33)			13-Oct-16 A			Project C	loseout - 4.09 (33)						
Project Administration			-	31-Aug-18 A				\bullet	31-Aug-18 A, Project Administration					
CT38260	WASD Project Administration - 4.09 (33)		-	31-Aug-18 A		<u></u>	<u></u>	<u></u>	WASD Project Administration - 4.09 (33) 20-Mar-20;					
	e ACP DM with 8" & 12" DI FM from SW108 PI/SW177 St to SW95 Ave/SW163 St.		21-Oct-15 A	20-Mar-20			10-140		v. 20-iviai-20,	.09 (34-43) F	Replace ACP DIM W		105 106 17500 1	
Pre-Design				23-Sep-16 A	-	2	3-Sep-16	∂A, Pre-Design						
CT22370	Pre-Design - 4.09 (34-43)			23-Sep-16 A		P.	re-Desigr	n - 4.09 (34-43)	18 A, Engineering Design				ļļļ	
Engineering Design	30% Design Submitted - $4.00/(34.42)$			10-May-18 A	-									
CT37880	30% Design Submittal - 4.09 (34-43)		· ·	21-Dec-16 A	-		30%	b Design Submittal - 4.09 (34-43)						
CT50430	30% Design Review - 4.09 (34-43)			27-Jan-17 A	-		30	0% Desian Review - 4.09 (34-43)						1
CT37890	60% Design Submittal - 4.09 (34-43)			07-Mar-17 A	-			60% Design Submittal - 4.09 (34-43)						
CT50440	60% Design Review - 4.09 (34-43)			24-Apr-17 A	-			60% Design Review - 4.09 (34-43))					1
CT37900	90% Design Submittal - 4.09 (34-43)		· ·	02-Jun-17 A				90% Design Submittal - 4.09 (3	14-43)					
CT50320	90% Design Review - 4.09 (34-43)			20-Oct-17 A	-			90% Design Review •						
CT12951	Engineering Design - 4.09 (34-43)		· ·	10-May-18 A		-		Enginee	ring <mark>D</mark> esign - 4.09 (34-43)					
CT80510	100% Design/Permit Ready Submittal - 4.09 (34-43)			10-May-18 A	.				esian Permit Ready Submittal - 4.09 (34-43) 29-Aug-18 A, Permitting					
Permitting				29-Aug-18 A			V	V 2	29-Aug-18 A, Permitting					
CT81070	MDCPW Permit - 4.09 (34-43)	45	10-Mar-17 A	11-Apr-17 A				MDCPW Permit - 4.09 (34-43)						1
CT81080	FDOT Permit - 4.09 (34-43)	45	13-Apr-17 A	05-May-17 A				FDOT Permit + 4.09 (34-43)						
CT81090	Village of Palmetto Permit - 4.09 (34-43)	45	20-Apr-17 A	22-May-17 A				 Village of Palmetto Permit - 4.09 	9 (34-43)					
CT50560	Submittal of Municipality Permit - 4.09 (34-43)	0 2	26-May-17 A					 Submittal of Municipality Permit 	- <u>i i i i i i</u>					
CT12961	Permitting - 4.09 (34-43)	220	10-Mar-17 A	29-Aug-18 A					Permitting - 4.09 (34-43)					
	RER (DERM) Permit - 4.09 (34-43)			29-Aug-18 A		1 1				1 1				1

D	ee Schedule - December 2018 Update Activity Name	Original		Finish	Baseline (By Phase)	2017	2018	2019		2020		2021	20	022	2023	je No. 51
		Duration			Q1 Q2 Q3 Q4 Q		Q2 Q3 Q4	Q1 Q2 Q3								
Procurement	htered Bid Badeer Briter A 00 (04 40)		21-May-18 A	20-Dec-18 A				20-Dec-18 A, Pi	rocurement							
CT80190	Internal Bid Package Review - 4.09 (34-43)	3	,	10-Jul-18 A			🔲 Internal Bio	d Package Revie	w - 4.09 (34-43	3)						
CT36180	Design Documents Sent to Procurement - 4.09 (34-43)		in dui rom	20 Aug 19 A				cuments Sent to	-i i i							
CT36190	Submit/Approve SBD Goals and Request to Advertise - 4.09 (34-43)	45		20-Aug-18 A			· · · · ·	Approve SBD G	1 1 1	est to Advertise	- 4.09 (34-4	3)				
CT36200	Advertise Bid Package - 4.09 (34-43)	0		04.0 40.4			Advertis	e Bid Package -	4.09 (34-43)							
CT36210	Bid Solicitation Period - 4.09 (34-43)	45	0	24-Sep-18 A				olicitation Period								
CT36220	Bids Due - 4.09 (34-43)	0					🔶 Bids	Due - 4.09 (34-4	3)							
CT36230	Bid Review Period - 4.09 (34-43)	30	· ·	09-Nov-18 A			📒 🗖 В	d Review Period	- 4.09 (34-43)							
CT36240	Award Recommendation - 4.09 (34-43)	0		09-Nov-18 A	_		♦ A	vard Recommen								
CT12971	Procurement - 4.09 (34-43)	210		20-Dec-18 A	_				ment - 4.09 (34							
CT36250	Final Approvals - 4.09 (3443)	34		20-Dec-18 A			·····	Final Approvals.	-4.09.(34-43)	20 Mar 20 Co	netruction		}'			
Construction CT36260	Contractor Notice to Proceed (NTP) - 4.09 (34-43)	415		20-Mar-20												
CT12981	Construction - 4.09 (34-43)	365		30-Jan-20				Contractor N	otice to Procee			00 (04 40)				
CT12991	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (34-43)	0		30-Jan-20*						1 1	1 1	- 4.09 (34-43)	: : :	1 1		
CT40570	Project Closeout - 4.09 (34-43)	50		20-Mar-20*							- i - i	ompliance Date	ə 10/17/20)	4.09 (34-43)		
Project Administration	riojeci Gloseoui - 4.05 (54-45)	1005		20-Mar-20	·····			<u></u>	<u></u>	Project Closeo 20-Mar-20, Pro	ut - 4.09 (34 piect Adminis	43)	·····			
CT38250	WASD Project Administration - 4.09 (34-43)	1005		20-Mar-20												
	t of 157 LF of 6" ACP FM from SW107th Ct/155th St to SW 107th Ave./155th St.	1753	· ·	20-Mar-20			J			VVASD Project 20-Mar-20, 4.0	: Administratio)9 (46) Repla	n - 4.09 (34-43 cement of 157	3) / LF of 6" AC	OP FM from SW	/107th Ct/155	oth St to SV
Pre-Design		478		23-Sep-16 A	23-Sep-	-16 A, Pre-Design			+				÷			
CT22400	Pre-Design - 4.09 (46)	479		23-Sep-16 A												
Engineering Design		462		30-Apr-18 A	Pre-Des	sign - 4.09 (46)	🕶 30-Apr-18 A, Er	nginæring Desig	in				µ/ /			
CT37910	30% Design Submittal - 4.9 (46)	90		21-Dec-16 A		0% Design Submittal - 4.9	(//6)									
CT50450	30% Design Review - 4.09 (46)	37	· ·	27-Jan-17 A		30% Design Review - 4.09	1 I I I I I									
CT37920	60% Design Submittal - 4.09 (46)	39		07-Mar-17 A	i i i i		- i i i i									
CT50460	60% Design Review - 4.09 (46)	48		24-Apr-17 A	1	 60% Design Submittal 60% Design Review 										
CT37930	90% Design Submittal - 4.09 (46)	42	25-Apr-17 A	05-Jun-17 A												
CT50470	90% Design Review - 4.09 (46)	148		20-Oct-17 A		90% Design Sub	-i -i - <mark> </mark>	10								
CT13101	Engineering Design - 4.09 (46)	431		30-Apr-18 A		90% De	sign Review + 4.09									
CT80520	100% Design/Permit Ready Submittal - 4.09 (46)	27	· ·	30-Apr-18 A			T 1 1 1									
Permitting		189		27-Aug-18 A			100% Design/ 27-Aug	ermit Ready Sul -18 A, Permitting	bmittal - 4.09 (4	6)			}!	+		
CT50580	Public Works Permit - 4.09 (46)	90		11-Apr-17 A				ublic Works Perm								
CT13111	Permitting - 4.09 (46)	90		27-Aug-18 A				ermitting - 4.09 (
CT50570	RER (DERM) Permit - 4.09 (46)	45		27-Aug-18 A				ER (DERM) Pem	1 I I I							
Procurement		569		20-Dec-18 A			⁵	20-Dec-18 A, Pi					} [}] [‡]	+	·	
CT80310	GMOU submittal and approval - 4.09 (46)	22		05-Sep-17 A												
CT80200	Internal Bid Package Review - 4.09 (46)	3		10-Jul-18 A		GMOU sub	pmittal and approva									
CT36270	Design Documents Sent to Procurement - 4.09 (46)	0		To built of t			🔲 Internal Bio									
CT36280	Submit/Approve SBD Goals and Request to Advertise - 4.09 (46)	45		20-Aug-18 A	-			cuments Sent to								
CT36290	Advertise Bid Package - 4.09 (46)	0		207/03107/				Approve SBD G		est ta Advertise	- 4.09 (46)					
CT36300	Bid Solicitation Period - 4.09 (46)		21-Aug-18 A	24-Sep-18 A				e Bid Package -								
CT36310	Bids Due - 4.09 (46)	40	25-Sep-18 A	24-36p-10 A			· · · · ·	olicitation Period	I - 4.09 (46)							
CT36320	Bid Review Period - 4.09 (46)	30		09-Nov-18 A			Bids	Due - 4.09 (46)								
CT36330	Award Recommendation - 4.09 (46)	30	· ·	09-Nov-18 A			· · · ·	d Review Period								
CT13121	Procurement - 4.09 (46)	210		20-Dec-18 A			<u>: : </u> : ♦ A	vard Recommen						1 1		
CT36340	Final Approvals - 4.09 (46)	34		20-Dec-18 A				Procure	ment - 4.09 (46)						
		415		20-Mar-20				Final Approvals	-4.09 (46)	20-Mar-20, Co	nstruction		·····			
Construction CT36350	Contractor Notice to Proceed (NTP) - 4.09 (46)	413		20-10101-20												
CT13131	Construction - 4.09 (46)	365		30-Jan-20				Contractor N	otice to Procee		(46) Construction	4 00 (46)				
CT13191	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (46)	000		30-Jan-20*						1.1.1	1 1					
CT40590	Project Closeout - 4.09 (46)	50		20-Mar-20*								ompliance Date	∋ 10/17/20) -	4.09 (46)		
Project Administration		839		20-Mar-20	· · · · · · · · · · · · · · · · · · ·		<u>.</u>	k	<u></u>	Project Closeo 20-Mar-20, Pro	ut - 4.09 (46 bject Adminis	tration	}!			
CT38240	WASD Project Administration - 4.09 (46)	839		20-Mar-20					1 1 1	1 1	1 1	1 1 1				
	t of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.	962		23-Jan-18 A		2	3-Jan-18 A, 409 (4)Replacement of	of 1023 LF of 8	WASD Project	PS#0869 to	un - 4.09 (46) SW 122nd Av	ve./88th St.			
Pre-Design		77		30-Apr-15 A	re-Design								·			
CT22410	Pre-Design - 4.09 (47)	78		30-Apr-15 A												
Engineering Design		137		15-Sep-15 A	09 (47) p-15 A, Engineering Design	n								·····		
CT37450	30% Design Submittal - 4.09 (47)		01-May-15 A	23-Jun-15 A												
CT37460	60% Design Submittal - 4.09 (47)	37		30-Jul-15 A	h Submittal - 4.09 (47)											
CT13151	Engineering Design - 4.09 (47)	138		15-Sep-15 A	ign Submittal - 4.09 (47) eering Design - 4.09 (47)											
CT37470	90% Design Submittal - 4.09 (47)	44		15-Sep-15 A												
Permitting		83	-	21-Dec-15 A	Design Submittal - 4.09 (47) 21-Dec-15 A, Permitting	*	† 						!!	· · · · · · · · · · · · · · · · · · ·		
CT13161	Permitting - 4.09 (47)	84		21-Dec-15 A				ermitting - 4.09 (47)							
Procurement		157	•	27-May-16 A	27-May-16 A, P	rocurement	**************************************						;: 	·		
CT36360	Design Documents Sent to Procurement - 4.09 (47)	0			Design Documente Soct to	o Procurement - 4.09 (47)										
CT36370	Submit/Approve SBD Goals and Request to Advertise - 4.09 (47)	84		14-Mar-16 A		D Goals and Request to Ad	1 1 1 1									
CT36380	Advertise Bid Package - 4.09 (47)	0				1 I I I I I I I I I I I I I I I I I I I	ayo1ube - 4.09 (4/)									
CT36390	Bid Solicitation Period - 4.09 (47)	30		13-Apr-16 A	Advertise Bid Packag Bid Solicitation Bar											
CT36400	Bids Due - 4.09 (47)	0			Bid Solicitation Per	and the second second second second second second second second second second second second second second second										
CT36410	Bid Review Period - 4.09 (47)	15		28-Apr-16 A	♦ Bids Due - 4.09 (47)											
CT36420	Award Recommendation - 4.09 (47)	0	-	28-Apr-16 A	Bid Review Period											
CT36420 CT13171				· ·	Award Recommend	ndation - 4.09 (47)				`						
0113171	Procurement - 4.09 (47) Final Approvals - 4.09 (47)	158		27-May-16 A 27-May-16 A			T	Procure	ment - 4.09 (47)						
CT36420		29	29-ADI-10 A	21-Way-10A												
CT36430 Construction		370		23-Jan-18 A	Final Approvals	-4.09 (47)	3-Jan-18 A, Constru	tion						÷		1 I I I I I I I I I I I I I I I I I I I

	Decree Schedule - December 2018 Update	Original			Baseline (By Phase) 15-Jan-19 13:15 - Page No. 5
	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4
T13141	Construction - 4.09 (47)	129	26-Sep-16 A	01-Feb-17 A	Construction - 4.09 (47)
T13181	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (47)	0		01-Feb-17 A	
T40600	Project Closeout - 4.09 (47)	241	02-Feb-17 A	23-Jan-18 A	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (47)
oject Administrati	ion	884	01-May-15 A	23-Jan-18 A	Project Closeout - 4.09 (47) 23-Jan-18 A, Project Administration
T38230	WASD Project Administration - 4.09 (47)	884	01-May-15 A	23-Jan-18 A	WASD.Project/Administration - 4.09 (47)
9 (48-53, 63) Re	eplace 8" & 10" ACP FM with 16", 12" & 8" DIP - SW142 Ave/SW288St to SW123Ct/258St	1696	10-Jun-15 A	30-Jan-20	30-Jan-20, 4.09 (48;53, 63) Replace 8 ⁺ & 10 ⁺ ACP ⁺ FM with 16 ⁺ , 12 ⁺ & 8 ⁺ DIP ⁻ SW 142 Ave/SW
-Design		195	10-Jun-15 A	22-Dec-15 A	22-Dec-15 A, Prê-Design
T22450	Pre-Design - 4.09 (48-53, 63)	196	10-Jun-15 A	22-Dec-15 A	Pre-Design - 4.09 (48-53, 63)
gineering Design	n	602	22-Dec-15 A	15-Aug-17 A	15-Aug-17 A; Engineering Design
Г37940	30% Design Submittal - 4.09 (48-53, 63)	31	14-Mar-16 A	13-Apr-16 A	30% Design Submittal - 4.09 (48-53, 63)
F50330	30% Design Review - 4.09 (48-53, 63)	7	14-Apr-16 A	20-Apr-16 A	30% Design Review +4.09 (48-53, 63)
37950	60% Design Submittal - 4.09 (48-53, 63)	44	21-Apr-16 A	03-Jun-16 A	60% Design Submittal - 4.09 (48-53, 63)
Г 50340	60% Design Review - 4.09 (48-53, 63)	6	04-Jun-16 A	09-Jun-16 A	60% Design Review - 4.09 (48-53, 63)
F37960	90% Design Submittal - 4.09 (48-53, 63)	246	10-Jun-16 A	10-Feb-17 A	90% Design Newiew -4-05 (40-03, 63)
F50350	90% Design Review - 4.09 (48-53, 63)	133	11-Feb-17 A	23-Jun-17 A	90% Design Review - 4.09 (48-53, 63)
F13351	Engineering Design - 4.09 (48-53, 63)	603	22-Dec-15 A	15-Aug-17 A	Engineering Design - 4.09 (48-53, 63)
T80710	100% Design/Permit Ready Submittal - 4.09 (48-53, 63)	53		15-Aug-17 A	
mitting		132	16-Aug-17 A	24-May-18 A	. 100% Design/Permit Ready Sut ✓ 24-May-18 A, Permitting
T80830	Public Works Permit - 4.09 (48-53, 63)	97	20-Sep-17 A	30-Sep-17 A	1
T13361	Permitting - 4.09 (48-53, 63)	132	•	24-May-18 A	Public Works Permit - 4.09 (48-53, 63)
T80820	RER/DERM Permit - 4.09 (48-53, 63)	132	16-Aug-17 A	24-May-18 A	
curement		446	15-Aug-17 A	27-Sep-18 A	
T80320	GMOU submittal and approval - 4.09 (48-53, 63)	22		05-Sep-17 A	
T80210	Internal Bid Package Review - 4.09 (48-53, 63)	7	04-May-18 A	09-May-18 A	GMOU submittal and approva - 4.09 (48-53, 63)
T36450	Design Documents Sent to Procurement - 4.09 (48-53, 63)	0		00 Way 10 A	I Internal Bid Package Review - 4,09 (48-53, 63)
36450 [36460	Submit/Approve SBD Goals and Request to Advertise - 4.09 (48-53, 63)	30	,	04-Jun-18 A	◆ Design Docurnents Sent to Produrement - 4.09 (48-53, 63)
			,	04-JUII-16 A	Submit/Approve SBD Goals and Request to Adventise -4.09 (48-53, 63)
536470	Advertise Bid Package - 4.09 (48-53, 63)	0	05-Jun-18 A	40.6440.4	♦ Adverțise Bi <mark>d</mark> Package -4.09 (48-53; 63)
T36480	Bid Solicitation Period - 4.09 (48-53, 63)	45		18-Jul-18 A	Bid Solicitation Period - 4.09 (48-53, 63)
536490	Bids Due - 4.09 (48-53, 63)	0	19-Jul-18 A		◆ Bids Due - 4.09 (48-53, 63)
F36500	Bid Review Period - 4.09 (48-53, 63)	30	19-Jul-18 A	20-Aug-18 A	Bid Review Pieriod - 4.09 (48-53, 63)
36510	Award Recommendation - 4.09 (48-53, 63)	0		21-Aug-18 A	
13371	Procurement - 4.09 (48-53, 63)	150		27-Sep-18 A	Procurement - 4.09 (48-53, 63)
36520	Final Approvals - 4.09 (48-53, 63)	60	22-Aug-18 A	27-Sep-18 A	Final Approvals 4 0.9 (48.63, 63)
struction		460	28-Sep-18 A	30-Jan-20	→ 30-Jan-20, Construction
F36530	Contractor Notice to Proceed (NTP) - 4.09 (48-53, 63)	0	28-Sep-18 A		◆ Contractor Notice to Proceed (NTP) - 4.09 (48-53, 63)
F13381	Construction - 4.09 (48-53, 63)	400	28-Sep-18 A	01-Nov-19	Construction - 4.09 (48-53, 63)
F13391	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (48-53, 63)	0		01-Nov-19*	♦ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (48-53, 63)
T40610	Project Closeout - 4.09 (48-53, 63)	90	02-Nov-19	30-Jan-20*	
ject Administrati	ion	1325	14-Mar-16 A	30-Jan-20	Project Closegut - 4,09 (48-53, 63) 30-Jan-20, Project Administration
Г38220	WASD Project Administration - 4.09 (48-53, 63)	1325	14-Mar-16 A	30-Jan-20	WA SD Project Administration - 4.09 (48-53, 63) • 17 Feb-20, 4.09 (60-62) Replace 1500LF 8" ACP FM (PS#1013 - PS#1012), 2550LF 10" (St
(60-62) Replac	ace 1500LF 8" ACP FM (PS#1013 - PS#1012), 2550LF 10" (SW144th/SW 280th St) 958LF 8"	1208	28-Oct-16 A	17-Feb-20	
Design		355	28-Oct-16 A	02-Nov-17 A	v 02-Nov-17 A, Pre-Design
T22500	Pre-Design - 4.09 (60-62)	355	28-Oct-16 A	02-Nov-17 A	Pre-Design - 4.09 (60-62) V - V - V - V - 1-Jun-18 A, Engineering Design
gineering Design		223		21-Jun-18 A	21-Jun-18 A, Engineering Design
37970	30% Design Submittal - 4.09 (60-62)	60	19-Oct-17 A	26-Feb-18 A	30% Design Submittal - 4.09 (60-62)
50360	30% Design Review - 4.09 (60-62)	10	27-Feb-18 A	15-Mar-18 A	30% Design Review - 4,09 (60-62)
Г37990	90% Design Submittal - 4.09 (60-62)	60	16-Mar-18 A	11-May-18 A	90% Design Submittal - 4.09 (60-62)
F13601	Engineering Design - 4.09 (60-62)	210	19-Oct-17 A	21-Jun-18 A	Engineering Design - 4.09 (60-62)
	90% Design Review/Permit Ready Submittal - 4.09 (60-62)	14	12-May-18A	21-Jun-18 A	
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	90% Design Submittal - 4.09 (65)	60 27-Feb-18 A		90% Design Submittal - 4.09 (85)
	Engineering Design - 4.09 (65)	210 19-Oct-17 A		Engineenhg Design - 4.09 (65)
	90% Design Review/Permit Ready Submittal - 4.09 (65)	14 09-Jun-18 A		■ 90% Dasion Review/Permit Ready Submittal - 4.09.(65). ▼ 16-Aug-18 A, Permitting
Permitting		90 23-Jul-18 A		I 6-Aug-18 A, Permitting
	MDC Public Works Permit - 4.09 (65)	90 23-Jul-18 A	25-Jul-18 A	MDC Puplic Works Permit 4.09 (65)
	Permitting - 4.09 (65)	90 23-Jul-18 A	-	Permitting - 4.09 (65)
	RER-DERM Permit - 4.09 (65)	90 23-Jul-18 A	-	RER-DERM Permit- 4.09 (65). 27-Feb-19, Procurement
Procurement	ntemal Did Daalaara Davieur († 00.(25)	191 21-Aug-18 /		V-rep-19, Procurement
	Internal Bid Package Review - 4.09 (65)	3 21-Aug-18 / 0 29-Aug-18 /	-	I Internal Bid Package Review - 4.09 (65)
	Design Documents Sent to Procurement - 4.09 (65)			
	Submit/Approve SBD Goals and Request to Advertise - 4.09 (65)	30 29-Aug-18 /	· ·	Submit/Approve SBD Goals and Request to Advertise - 4.09 (65)
	Advertise Bid Package - 4.09 (65)	0 26-Sep-18 /		Adventise Bid Package - 4.09 (65)
	Bid Solicitation Period - 4.09 (65)	30 26-Sep-18 /		Bid Solicitation Period - 4.09 (65)
	Bids Due - 4.09 (65)	0 26-Oct-18 A		◆ Bibs Duę - 4.09 (65)
	Bid Review Period - 4.09 (65)	15 26-Oct-18 A		Bid Review Period - 4.09 (65)
	Award Recommendation - 4.09 (65)	0	15-Jan-19	Award Recommendation - 4.09 (65)
	Procurement - 4.09 (65)	105 29-Aug-18 /		Procurement - 4.09 (65)
	Final Approvals - 4.09 (65)	43 16-Jan-19	27-Feb-19	Final Approvals - 4.09 (65). 03-Jan-20, Construction
Construction	Contractor Nation to Dramond (NTD) 4 00 (65)	310 28-Feb-19	03-Jan-20	7
	Contractor Notice to Proceed (NTP) - 4.09 (65)	0 28-Feb-19		♦ Contractor Notice to Proceed (NTP) - 4.09 (65)
	Construction - 4.09 (65)	220 28-Feb-19	05-Oct-19	Construction - 4.09 (65)
	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (65)	0	05-Oct-19*	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (65)
	Project Closeout - 4.09 (65)	90 06-Oct-19	03-Jan-20*	Project Closeout - 4.09 (65) 03-Jan-20, Project Administration
Project Administration		658 19-Oct-17 A		V3-Jan-20, Project Administration
	NASD Project Administration - 4.09 (65)	658 19-Oct-17 A		WASD Project Administration - 4.09 (65). VASD Project Administration - 4.09 (65). 10-Oct-19, 4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132 Along Bikini BM to MH5 in Hange
4.09 (67) Replace 2,700 LI	F of 8" ACP FM from PS#1132 Along Bikini Blvd to MH5 in Hanger Rd	1869 29-Aug-14 /		10-Oct-19, 4.09 (67) Replace 2,700 LF of 8' ACP HV from PS#1132 Along Bikini Bivd to MH5 in Hange
Pre-Design		137 29-Aug-14 /		
	Pre-Design - 4.09 (67)	138 29-Aug-14 /		
Engineering Design		436 13-Feb-15 A		24 Apr-16 A, Engineering Design
CT13851	Engineering Design - 4.09 (67)	437 13-Feb-15 A	24-Apr-16 A	Engineeing Design 4.09 (67)
Permitting		192 25-Apr-16 A		V 03-Nov46A, Permitting
	Permitting - 4.09 (67)	193 25-Apr-16 A		Permitting - 4,09 (67)
CT50390	DERM Permit - 4.09 (67)	193 25-Apr-16 A		DERM Permit- 4.09(67)
CT50400	Public Works Permit - 4.09 (67)	35 30-Sep-16 /	A 03-Nov-16 A	Public Works Permit - 4.09 (67) 27-Feb-18 A, Produrement
Procurement		312 16-Feb-17 A		27-Feb-18 Ä, Produrement
	GMOU submittal and approval - 4.09 (67)	21 16-Feb-17 A	08-Mar-17 A	GMOU submittal and approval - 4.09 (67)
	ntemal Bid Package Review - 4.09 (67)	6 19-May-17 A		I Internal Bid Package Review - 4.09 (67)
	Design Documents Sent to Procurement - 4.09 (67)	0 25-May-17 A		◆ Design Documents Sent to Procurement - 4.09 (67)
CT36910	Submit/Approve SBD Goals and Request to Advertise - 4.09 (67)	27 25-May-17 A	20-Jun-17 A	Submit/Approve SBD Goals and Request to Adventise - 4.09 (67)
CT36920	Advertise Bid Package - 4.09 (67)	0 21-Jun-17 A	<u> </u>	Advertise Bid Package 4.09 (67)
CT36930	Bid Solicitation Period - 4.09 (67)	49 21-Jun-17 A	08-Aug-17 A	Bid Solicitation Period - 4.09 (67)
CT36940	Bids Due - 4.09 (67)	0 09-Aug-17 /	4	◆ Bids Due - 4.09 (67)
CT36950	Bid Review Period - 4.09 (67)	77 09-Aug-17 A	A 25-Oct-17 A	Bid Review Period - 4.09 (67)
CT36960	Award Recommendation - 4.09 (67)	0	25-Oct-17 A	Award Recommendation - 4.09 (67)
CT13871	Procurement - 4.09 (67)	183 25-May-17 A	29-Jan-18 A	Procurement - 4.09 (67)
CT36970 I	Final Approvals -4.09 (67)	30 26-Oct-17 A	27-Feb-18 A	Final Approvals - 4,0.9 (67)
Construction		315 05-Nov-18 A	10-Oct-19	10-Oct-19, Construction
	Contractor Notice to Proceed (NTP) - 4.09 (67)	0 05-Nov-18 A		Contractor Notice to Proceed (NTP) - 4.09 (67)
CT13881 (Construction - 4.09 (67)	250 05-Nov-18 A	12-Jul-19	Construction - 4.09 (67)
CT13891 5	Substantial Completion (Non-Consent Decree) - 4.09 (67)	0	12-Jul-19*	Substantial Completion (Non-Consent Decree) - 4.09 (67)
CT40680	Project Closeout - 4.09 (67)	90 13-Jul-19	10-Oct-19*	
Project Administration		1355 13-Feb-15 A		Project Closeout - 4.09 (67): 10-Oct-19, Project Administration
	WASD Project Administration - 4.09 (67)	1355 13-Feb-15 A		WASD Project Administration - 4 do (67)
4.09 (68) Replacement of	3,400 LF of 6" and 8" ACP FM, from PS#0364 to NW 199th St./42nd Ave.	1141 29-Aug-14 /	A 31-Mar-19	WASD Project Administration - 4.09 (67) 31-Mar-19, 4.09 (68) Replacement of 3,400 LF of 6° and 8 ACP FM, from PS#0364 to NW 199th St./42nd Ave.
Pre-Design		35 29-Aug-14 /		
	Pre-Design - 4.09 (68)	36 29-Aug-14 /		┓
Engineering Design		405 06-Oct-14 A		5-Nov-15 A, Engineering Design
_ ~ ~ ~	Engineering Design - 4.09 (68)	406 06-Oct-14 A		ngineering Design - 4.09 (68)
Permitting		142 16-Nov-15 A	06-Apr-16 A	06-Apr-16 A, Permitting
	Permitting - 4.09 (68)	143 16-Nov-15 A	06-Apr-16 A	Permitting - 4.09 (68)
Procurement		83 07-Apr-16 A	29-Jun-16 A	29-Jun-16A, Précurement
CT36990	Design Documents Sent to Procurement - 4.09 (68)	0 07-Apr-16 A		♦ Design Documents Sent to Procurement - 4.09 (68)
CT37000 5	Submit/Approve SBD Goals and Request to Advertise - 4.09 (68)	8 07-Apr-16 A	14-Apr-16 A	Submit/Approve SBD:Goals and Request to Advertise - 4.09 (68)
	Advertise Bid Package - 4.09 (68)	0 15-Apr-16 A		_ · · · · · · · · · · · · · · · · · · ·
	Bid Solicitation Period - 4.09 (68)	39 15-Apr-16 A		Advertise Bid Package - 4.09 (68)
	Bids Due - 4.09 (68)	0 23-May-16 A		Bid Solicitation Period - 4.09 (68)
	Bid Review Period - 4.09 (68)	3 24-May-16 A		● Bids Dµe - 4.09 (68)
				L Bid Review Period - 4.09 (68)
	Award Recommendation - 4.09 (68)	0	26-May-16 A	Award Recommendation - 4.09 (68)
	Procurement - 4.09 (68)	84 07-Apr-16 A		Procurement - 4.09 (68)
	Final Approvals - 4.09 (68)	34 27-May-16 A		Final Approvals -4.09 (68)
CT50990	P.O. Issued - 4.09 (68)	0	29-Jun-16 A	♦ P.O. Issued - 4.09 (68)
		396 12-Sep-16 /	A 31-Mar-19	31-Mar-19, Construction

	ecree Schedule - December 2018 Update				Baseline (By Phase) 15-Jan-19 13:16 Page No. 54 o 2016 2017 2018 2020 2021 2022 2023 2
ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2 Q1 Q2 Q3 Q4 th=""></td<>
CT37070	Contractor Notice to Proceed (NTP) - 4.09 (68)	0	12-Sep-16 A		Contractor Notice: to Proceed (NTP) - 4.09:(68)
CT13931	Construction - 4.09 (68)	184	12-Sep-16 A	14-Mar-17 A	Construction - 4.09 (68)
CT13941	Substantial Completion (Non-Consent Decree) - 4.09 (68)	0		14-Mar-17 A	Substantial Completion (Non-Consent Degree) - 4.09 (68)
CT40690	Project Closeout - 4.09 (68)	212	15-Mar-17 A	31-Mar-19*	
Project Administratio	on	1103	06-Oct-14 A	31-Mar-19	Project Closeout - 4,09 (68). 31-Mar-19, Project Administration
CT38170	WASD Project Administration - 4.09 (68)	1103	06-Oct-14 A	31-Mar-19	WASD Project Administration = 4.09 (68)
.09 (69) Replacem	nent of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.	1233	16-Jun-14 A	28-Aug-18 A	
Pre-Design		318		30-Apr-15 A	re-Design
CT22590	Pre-Design - 4.09 (69)	319		30-Apr-15 A	
Engineering Design		105		14-Aug-15 A	
CT37480	30% Design Submittal - 4.09 (69)	29		29-May-15 A	Submittal - 4.09 (69)
CT37490	60% Design Submittal - 4.09 (69)	33		03-Jul-15 A	_n Su∮mittal - 4.09 (69)
CT37500	90% Design Submittal - 4.09 (69)	40	06-Jul-15 A	14-Aug-15 A	sign Submittair 4,09 (09)
CT13951	Engineering Design - 4.09 (69)	105		14-Aug-15 A	
Permitting		91	19-Oct-15 A	18-Jan-16 A	
CT13961	Permitting - 4.09 (69)	92		18-Jan-16 A	
Procurement		121		19-May-16 A	Y 19-May-16 A¦ Procurement
CT37080	Design Documents Sent to Procurement - 4.09 (69)	0			Design Documents Sent to Procurement - 4.09 (69)
CT37090	Submit/Approve SBD Goals and Request to Advertise - 4.09 (69)	48		06-Mar-16 A	Submit/Approve SBD Gcals and Request to Adventise - 4.09 (69)
CT37100	Advertise Bid Package - 4.09 (69)	0	07-Mar-16 A		♦ Advertise Bid Package -4.09 (69)
CT37110	Bid Solicitation Period - 4.09 (69)	30		05-Apr-16 A	Bid Solicitation Period - 4.09 (69)
CT37120	Bids Due - 4.09 (69)	0	06-Apr-16 A		♦ Bids Due - 4.09 (69)
CT37130	Bid Review Period - 4.09 (69)	6	06-Apr-16 A	11-Apr-16 A	I Bid Review Period - 4/.09 (69)
CT37140	Award Recommendation - 4.09 (69)	0		11-Apr-16 A	
CT13971	Procurement - 4.09 (69)	122		19-May-16 A	
CT37150	Final Approvals - 4.09 (69)	38	12-Apr-16 A	19-May-16 A	
Construction		470	18-Jul-16 A	28-Aug-18 A	
CT37160	Contractor Notice to Proceed (NTP) - 4.09 (69)	0	18-Jul-16 A		Contractor Notice to Proceed (NTP) - 4.09 (69)
CT13981	Construction - 4.09 (69)	102	18-Jul-16 A	27-Oct-16 A	
CT13991	Substantial Completion (Non-Consent Decree) - 4.09 (69)	0		27-Oct-16 A	♦ Substantial Completion (Non-Consent Decree) - 4.09 (69)
CT40700	Project Closeout - 4.09 (69)	368	28-Oct-16 A	28-Aug-18 A	Project Closeout - 4.09 (69)
Project Administratio	on	694	01-May-15 A	25-Mar-17 A	25-Mar-17:A, Project Administration
CT38150	WASD Project Administration - 4.09 (69)	695	01-May-15 A	25-Mar-17 A	WASD Priject Administration - 4 09 (69)
4.09 (70) Replace 8	8000LF of 10" ACPFM at US-1 from SW 184th St. to N. of Caribbean Blvd	550	13-Sep-14 A	16-Mar-16 A	WASD Project Administration - 4.09 (69). ••••••••••••••••••••••••••••••••••••
Pre-Design		407	13-Sep-14 A	25-Oct-15 A	Oct-15 A, Pře-Dešgin
CT20000	Pre-Design - 4.09 (70)	44	13-Sep-14 A	26-Oct-14 A	→ + + + + + + + + + + + → + + + + + + + + + + + + + + + + + + +
CT33000	Pre-Design (Revised Project Scope) - 4.09 (70)	119	29-Jun-15 A	25-Oct-15 A	Design (Privised Privised Symp.) - d (19.774)
Engineering Design		506	27-Oct-14 A	16-Mar-16 A	- Design (Revised Project Scope) - 4:09 (70)
CT14001	Engineering Design (Original Project Scope) - 4.09 (70)	245	27-Oct-14 A	28-Jun-15 A	g Design (Original Project Scope) - 4.09 (70)
CT80440	Engineering Design - 4.09 (70)	507	27-Oct-14 A	16-Mar-16 A	Engineering Design - 4.09 (70)
CT33001	Engineering Design (Revised Project Scope) - 4.09 (70)	142	27-Oct-15 A	16-Mar-16 A	Engineering Design (Revised Project Scope) - 4,09 (70)
CT80700	Project Cancelled - 4.09 (70)	0		16-Mar-16 A	Project Cancelled - 4.09 (70)
Project Administratio	on	506	27-Oct-14 A	16-Mar-16 A	
CT38160	WASD Project Administration - 4.09 (70)	507	27-Oct-14 A	16-Mar-16 A	
4.09 (71) Replace 8	B" A CP FM from PS#0445, West to NW 207th St, 4" From PS#0444 to NW207St	1709	01-Nov-14 A	06-Jul-19	06-Jul-19; 4.09 (71) Replace 8" ACP FM from PS#0445, West to NW 207th \$t, 4" From PS#0444 to NW207St
Pre-Design		90	01-Nov-14 A	30-Jan-15 A	
CT22550	Pre-Design - 4.09 (71)	91	01-Nov-14 A	30-Jan-15 A	
Engineering Design		442	02-Feb-15 A	19-Apr-16 A	19iApr-16 A, Engineering Design
CT14051	Engineering Design - 4.09 (71)	443	02-Feb-15 A	19-Apr-16 A	Engineeting Design -4.09 (71)
Permitting		100	19-Apr-16 A	28-Jul-16 A	28-Jul-16 A, Permitting
CT50410	DERM Permit - 4.09 (71)	20	20-Apr-16 A	09-May-16 A	DERM Permit: - 4.09 (71)
CT14061	Permitting - 4.09 (71)	101	19-Apr-16 A	28-Jul-16 A	Permitting - 4.09 (71)
CT50420	Public Works Permit (City of Miami Gardens) - 4.09 (71)	100	20-Apr-16 A	28-Jul-16 A	Public Works Permit (City of Miami Gardens); 4,09; (71). 23-Jan 18 A. Procurement;
Procurement		373		23-Jan-18 A	
CT80390	GMOU Submittal and Approval - 4.09 (71)	21	09-Feb-17 A	01-Mar-17 A	GMOU Submittal and Approval - 4.09 (71)
CT80400	Internal Bid Package Review - 4.09 (71)	5	17-May-17 A	21-May-17 A	
CT37170	Design Documents Sent to Procurement - 4.09 (71)	0	22-May-17 A		◆ Desigri Documents Sent to Procurement - 4.09 (71)
CT37180	Submit/Approve SBD Goals and Request to Advertise - 4.09 (71)	10	22-May-17 A	31-May-17 A	
CT37190	Advertise Bid Package - 4.09 (71)	0	01-Jun-17 A		 Advertise Bid Package -4.09 (71)
CT37200	Bid Solicitation Period - 4.09 (71)	55	01-Jun-17 A	25-Jul-17 A	Bid Solicitation Period - 4.09 (71)
CT37210	Bids Due - 4.09 (71)	0	26-Jul-17 A		
CT37220	Bid Review Period - 4.09 (71)	97	26-Jul-17 A	15-Dec-17 A	
CT37230	Award Recommendation - 4.09 (71)	0		15-Dec-17 A	Dia Review Period - 4.09 (71)
CT14071	Procurement - 4.09 (71)	192	22-May-17 A	23-Jan-18 A	Award Recommendation - 4.09 (71) Procurement - 4.09 (71)
CT37240	Final Approvals - 4.09 (71)	30	-	23-Jan-18 A	
Construction		280		06-Jul-19	Final Approvals :=4.0% (71):
CT37250	Contractor Notice to Proceed (NTP) - 4.09 (71)	0		000010	
CT14081	Construction - 4.09 (71)	210		07-Apr-19	Contractor Notice to Proceed (NTP) - 4.09 (71) Construction - 4.09 (71)
CT14091	Substantial Completion (Non-Consent Decree) - 4.09 (71)	210 0		07-Apr-19*	
CT40720	Project Closeout - 4.09 (71)	90	08-Apr-19	06-Jul-19*	◆ Substantial Completion (Non-Consent Decree); - 4.09 (71)
			•		Project Closeout - 4.09 (71). 06-Jul-19, Project Administration
Project Administratio CT38140	0N WASD Project Administration - 4.09 (71)	1332 1332		06-Jul-19 06-Jul-19	
	0152 LF of 8", 12" and 16" ACP FM from PS#0891 to SW 108th St-127th Ave88th St	0		18-Jul-16 A	₩ASD Project Administration - 4.09 (72) Replace 9152 LF of 8", 12" and 16 ACP FM from PS#0891 to SW 108th St127th Ave88th St
.09 (72) Replace 9 Engineering Design		0		18-Jul-16 A	▼ 18-Jul-16 A, Engineering Design
		0	18-Jul-16 A	10-Jul-16 A	

vity ID	ee Schedule - December 2018 Update Activity Name	Original	Stand	lard Layout w l	Baseline (By Phase) 15-Jan-19 13:16 - Pag 2016 2017 2018 2020 2021 2022 2023	
		Original Duration	Start	FILIST	01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03	3 Q4 C
4.09 (73) Replace 14,35	50 LF of 10", 8" and 6" ACP FM from PS#0728, PS#0709, PS#0738, PS#0735,PS#0730	1884	29-Aug-14 A	25-Oct-19	▼ 25-Oct-19, 4.09 (73) Replace 14,350 LF of 10", 8" and 6" ACP FM from PS#0728, PS#0709	
Pre-Design CT20010	Dro Doping (4, 00 /72)	216 217	29-Aug-14 A	02-Apr-15 A 02-Apr-15 A	-Design	
Engineering Design	Pre-Design - 4.09 (73)	217	29-Aug-14 A 03-Apr-15 A	12-Nov-15 A	9.(73): 2-Nov-15 A, Engineering Design	
CT37510	30% Design Submittal - 4.09 (73)	126	03-Apr-15 A	06-Aug-15 A	sign \$ubmittal - 4.09 (73)	
CT37520	60% Design Submittal - 4.09 (73)	56	07-Aug-15 A	01-Oct-15 A	Design Submittal - 4.09 (73)	
CT14111	Engineering Design - 4.09 (73)	224	03-Apr-15 A	12-Nov-15 A	ngineering Design' - 4.09 (73)	
CT37530	90% Design Submittal - 4.09 (73)	42	02-Oct-15 A	12-Nov-15 A	% Design Submittal - 4.09 (73) ■ 19-Aug-16 A/ Permitting	
Permitting		245	18-Dec-15 A	19-Aug-16 A	19-Aug-16 Ai Permitting	
CT50510	Miami Dade Public Works Permit - 4.09 (73)	74	18-Dec-15 A	29-Feb-16 A	Miami Dade Public Works Permit - 4.09 (73)	
CT50500	RER (DERM) / FDEP Permit - 4.09 (73)	83	18-Dec-15 A	09-Mar-16 A	RER (DERM) / FDEP Permit - 4.09 (73)	
CT50520 CT14121	South Florida Water Management District (SFWMD) Permit - 4.09 (73) Permitting - 4.09 (73)	246	04-Jan-16 A 18-Dec-15 A	22-Mar-16 A 19-Aug-16 A	South Florida Water Management District (SFWMD) Permit - 4.09(73)	
CT50870	Tree Permit - 4.09 (73)	39	12-Jul-16 A	19-Aug-16 A	Permitting - 4.09 (73)	
Procurement		503	13-Jan-17 A	02-Mar-18 A	Tree Permit - 4.09 (73).	
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	20-Feb-17 A	12-Mar-17 A	GMOU submittal and approval - 4.09 (73)	
CT37260	Design Documents Sent to Procurement - 4.09 (73)	0	18-Apr-17 A		◆ Design Documents Sent to Procurement - 4.09 (73)	
CT37270	Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	16	18-Apr-17 A	03-May-17 A	■ Submit/Approve SBD Goals and Request to Advertise - 4/09 (73)	
CT80530	Resolution of Easement Conflicts - 4.09 (73)	180	04-May-17 A	01-Nov-17 A	Resolution of Easement Conflicts - 4.09 (73)	
CT80540	Design Documents Re-Sent to Procurement - 4.09 (73)	0	02-Nov-17 A		→ Design Documents Re-Sent to Procurement - 4.09 (73)	
CT80550	Re-Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	45	02-Nov-17 A	28-Nov-17 A	Re-Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	
CT37280	Advertise Bid Package - 4.09 (73) Bid Solicitation Period - 4.09 (73)	0	29-Nov-17 A	02 lon 40 4	Advertise Bid Package - 4.09 (73)	
CT37290 CT37300		45	29-Nov-17 A 04-Jan-18 A	03-Jan-18 A	Bid Solicitation Period - 4.09 (73)	
CT37310	Bids Due - 4.09 (73) Bid Review Period - 4.09 (73)	30	04-Jan-18 A	17-Jan-18 A	→ Bids Due - 4.09(73)	
CT37320	Award Recommendation - 4.09 (73)	0	04-541-16 A	17-Jan-18 A	Bid Review Period - 4.09 (73)	
CT14131	Procurement - 4.9 (73)	288	18-Apr-17 A	02-Mar-18 A	Award Recommendation - 4.09 (73)	
CT37330	Final Approvals - 4.09 (73)	90	18-Jan-18 A	02-Mar-18 A	┫	
Construction		452	23-Jul-18 A	25-Oct-19	Final Approvals - 4 09 (73)	
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	27-Jul-19	Construction - 4.09 (73)	
CT14181	Substantial Completion (Non-Consent Decree) - 4.09 (73)	0		27-Jul-19*	♦ Substantial Completion (Non-Consent Decree) - 4.09 (73)	
CT40740	Project Closeout - 4.09 (73)	90	28-Jul-19	25-Oct-19*	Project Closeout - 4, 09 (73) 25-Oct-19, Project Administration	
Project Administration		1494	03-Apr-15 A	25-Oct-19	✓ 25 Oct-19, Project Administration	
CT38130	WASD Project Administration - 4.09 (73)	1494	03-Apr-15 A	25-Oct-19	WASD Project Administration - 4,09 (73)	0-Jun-23.
	ort 48" PC CP Force Main Replacement	3259	29-Jul-14 A	30-Jun-23	05-May-16 A, Engineering Design	
Engineering Design CT71530	EDA Stat Data far Engineering Dasign - Daslage 40" DCCD EM @ One Ladys Airpott	577	06-Oct-14 A 06-Oct-14 A	05-May-16 A	Op-way-to A, engineering Design	
CT50890	EPA Start Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport** EPA Compliance Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**	0	00-001-14A	23-Apr-15 A	hg 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-Locka Aimont** Engineering Design - Replace 48" PCCP FM @ Opa-Locka Aimont	
Permitting		725	29-Jul-14 A	23-Jul-16 A	23-Jul-16A, Permitting	
CT71540	EPA Start Date for Permitting - Replace 48" PCCP FM @ OpaLocka Airport**	0	29-Jul-14 A		place 48" PCCP FM @ OpaLocka Airport**	
CT10180	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	321	30-Jul-15 A	14-Jun-16 A	Pinter 48 TeC FM @ CharLond Allow 48 PCCP FM @ CharLocka Alport	
CT50900	EPA Compliance Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	0		23-Jul-16 A	♦ EPA Compliance Date for Permitting - Replace 48" PCCP EM @ Ona-Locka Airport	
Procurement		239	04-May-16 A	29-Dec-16 A	♦ EPA Compliance Date for Permitting - Replace 48" PCCP. FM @ Opa-Locka Airport 29-Dec-16 A, Procurement	
CT71550	EPA Start Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport**	0	24-Jul-16 A		EPA Stait Date for Procurement - Replace 48 th PCCP FM @ Opa⊥ocka Airport**	
CT10260	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	230	04-May-16 A	19-Dec-16 A	Procurement - Replace 48" FCCP FM @ Opa-Locka Airp of	
CT50910	EPA Compliance Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	0		29-Dec-16 A	EPA Compliance Date for Procurement - Replace 48 ¹ PCCP FM @ Opa-Locka Airport 11-May-18 A, Construction	
Construction	EDA Orad Data for Orada string - Dealers (OF DOOD EN @ Orad Laster Almost	596	12-Oct-16 A	11-May-18 A		
CT71560 CT50920	EPA Start Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport EPA Compliance Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport	0	23-Oct-16 A	28-Jan-18 A	▲ EPA Stait Daté for Construction - Replace 48 ^t PCC ^P FM @ Opa-Locka Airport	
CT10330	Construction - Replace 48" PCCP FM @ Opa-Locka Airport	420	12-Oct-16 A	11-May-18 A	EPA Compliance Date for 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	12 000 1070	11-May-18 A		
	g 48" FM Along North Side of Biscayne Canal from NW 37th Ave. to NW 32nd Ave.	907	17-Aug-15 A	28-Feb-19		32nd Ave.
Pre-Design	5 · · · · · · · · · · · · · · · · · · ·	118	17-Aug-15 A	13-Dec-15 A	13-Dec-15 A, PreiDesgn	
CT37600	Negotiate Scope and Fee for Remaining Design - Rehab Existing 48" FM East of Opa Locka Airport	119	17-Aug-15 A	13-Dec-15 A	Nengliate Scope and Fee for Remaining Design - Rehab Existing 48" FM Fast of Ona Locka Aimont	
Engineering Design		143	14-Dec-15 A	05-May-16 A	Neggtiate Scope and Fee for Remaining Design - Rehab Existing 48" FM East of Opa Locka Airport	
CT37630	Draft Performance Specifications - Rehab Existing 48" FM East of Opa Locka Airport	124	14-Dec-15 A	15-Apr-16 A	Draft Performance Specifications - Rehab Existing 48" FM East of Opa Locka Airport	1
CT37640	Performance Specifications Review - Rehab Existing 48" FM East of Opa Locka Airport	7		22-Apr-16 A	Performance Specifications Review - Rehab Existing 48" FM East of Opa Locka Airport	
CT37590	Engineering Design - Rehab Existing 48" FM East of Opa Locka Airport	144	14-Dec-15 A	05-May-16 A	Engineering Design - Rehab Existing 48" FM East of Opa Locka Airport	
CT37650	Final Performance Specifications Submittal - Rehab Existing 48" FM East of Opa Locka Airport	13	•	05-May-16 A	I. Final Performance Specifications Submittal - Rebab Existing 48" FM East of Opa Locka Airport.	
Permitting CT37660	Permitting - Rehab Existing 48" FM East of Opa Locka Airport	1	04-May-16 A 04-May-16 A	05-May-16 A 05-May-16 A		
Procurement	r ommung "Ivenau Exempt 40 Thi East UI Opa EUCRA Alipult		04-May-16 A	19-Dec-16 A	J. Permitting - Rehab Existing 48" FM East of Opa Locka Atport	
CT37670	Design Documents Sent to Procurement - Rehab Existing 48" FM East of Opa Locka Airport	0	06-May-16 A	10-000-10 A		
CT37680	Submit/Approve SBD Goals and Request to Advertise - Rehab Existing 48" FM East of Opa Locka Airport	22	•	27-May-16 A	Design Documents Sent to Procurement - Rehab Existing 48" FM East of Opa Lopka Airport	
CT37700	Advertise Bid Package - Rehab Existing 48" FM East of Opa Locka Airport	0	•		■ Submit/Approve SBD Goals and Request to Advertise - Rehab Existing 48" FM East of Opa Locka Airport	
CT37710	Bid Solicitation Period - Rehab Existing 48" FM East of Opa Locka Airport	34	•	19-Oct-16 A	Advertise Bid Package - Rehab Existing 48" FM East of OpaLocka Airport	
CT37720	Bids Due - Rehab Existing 48" FM East of Opa Locka Airport	0	•		■ Bid Solicitation Period - Rehab Existing 48" FM East of Opa Locka Airport ■ Bids Due - Rehab Existing 48" FM East of Opa Locka Airport	
CT37730	Bid Review Period - Rehab Existing 48" FM East of Opa Locka Airport	32		20-Nov-16 A	➡ Bids Due - Rehab Existing 48 FM East of Opa Locka Airport ■ Bid Review Period - Rehab Existing 48" FM East of Opa Locka Airport	
CT37740	Award Recommendation - Rehab Existing 48" FM East of Opa Locka Airport	0		21-Nov-16 A	Bid Revew Period + Renab Existing 48" FM East of Opa Locka Airport ♦ Award Recommendation - Rehab Existing 48" FM East of Opa Locka Airport	
CT37690	Procurement - Rehab Existing 48" FM East of Opa Locka Airport	228	06-May-16 A	19-Dec-16 A	✓ Awaro Recommendation - Rehab Existing 48 FM East of Opa Locka Airport Procurement - Rehab Existing 48 FM East of Opa Locka Airport	
			00 No. 40 A	10 Dec 16 A		1
CT37750	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab Existing 48" FM East of Opa Locka Airport	28	22-Nov-16 A	19-Dec-16 A	Final Approvals (BCC, Mayor, Risk Mant.) - Rehab Existing 48", FM East of One Locka Airport	

	ree Schedule - December 2018 Update				Baseline (By Phase)		15-Jan-19
ivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 Q1 Q2 Q3 Q4 Q1 Q2 Q3	2021	2022 Q2 Q3 Q4
CT37760	Contractor Notice to Proceed (NTP) - Rehab Existing 48" FM East of Opa Locka Airport	0	21-Dec-16 A				
CT37770	Construction - Rehab Existing 48" FM East of Opa Locka Airport	311		27-Oct-17 A	Contractor:Notice to Proceed (NTP):- Rehab Existing 48" FM East of Opa Locka Airport		
CT37780	Substantial Completion (CD Compliance Date 10/25/18) - Rehab Existing 48" FM East of Opa Locka Airport	0		27-Oct-17 A	Construction - Rehab Existing 48 [®] FM East of Opa Locka Airport ♦ Substantial Completion (CD Compliance Date 10/25/18) - Rehab Existing 48" FM E	aat of One Looke Aime	
CT40750	Project Closeout - Rehab Existing 48" FM East of Opa Locka Airport	90	28-Oct-17 A	28-Feb-19*	_ · · · · · · · · · · · · · · · · · · ·		
Project Administration		774	14-Dec-15 A	28-Feb-19	Project Closeout - Rehab Existing 48" FM East of 28-Feb-19, Project Administration		
CT35381	WASD Project Administration - Rehab Existing 48" FM East of Opa Locka Airport	774	14-Dec-15 A	28-Feb-19	WASD Project Administration - Rehab Existing 48	FM East of Opa Locka	Airport
4.10 (2) Opa-Locka Ai	port 48" PCCP Force Main Replacement (Sections 1 and 2)	1370	17-Dec-14 A	28-Feb-19	WASD Project Administration - Rehab Existing 48 28-Feb-19, 4.10 (2) Opa-Locka Airport 48 PCCP	Force Main Replacemen	it (Sections 1 and
Pre-Design		54	01-May-15 A	24-Jun-15 A	A, Pré-Design		
CT22150	Negotiate Scope and Fee for Remaining Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	55	01-May-15 A	24-Jun-15 A	cope and Fee for Remaining Design - Replace 48" PCCP FM @ Opa Locka Airport (Sections 1.8.2)		
Engineering Design		505		05-May-16 A	▼ 05-May-16 A, Engineering Design		
CT22140	Basis of Design Report (BODR) - Replace 48" PCCP FM @ Opa-Locka Airport (Sedions 1 & 2)	184		18-Jun-15 A	sign Report (BODR) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT22160	30% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	47		10-Aug-15 A	sign Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT22170	30% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	8	11-Aug-15 A	18-Aug-15 A	sign Review - Replace 48" POCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT22180	60% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	91		13-Nov-15 A	D% Design \$ubmittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT22780	60% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	7		20-Nov-15 A	0% Design Review - Replace 48" PCCP FM @ Opa-Locka Aip ort (Sections 1 & 2)		
CT22210	100% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sedions 1 & 2)	124		23-Mar-16 A	100% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Arport (Sections 1 & 2)		
CT37540	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	506		05-May-16 A	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
Permitting		320		14-Jun-16 A	V 14-Juli-To A, Pelinilung		
CT50240	RER (DERM) / FDEP Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	13		12-Apr-16 A	RER (DERM) / FDEP Permit - Replace 48" PCCP FM @ Opa-Looka Airport (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 48" PCCP FM @ Opa-Locka Airport (Sections; 1 & 2)		
CT50250	FAA Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	321	30-Jul-15 A	14-Jun-16 A	FAA Permit - Replace 48" PCCP. FM @ Opa-Locka Airport (Sections 1.& 2)		
Procurement CT33101	Design Documents Sent to Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	145		26-Sep-16 A			
	Submit/Approve SBD Goals and Request to Advertise - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	24	-	27 May 16 A	Design Documents Sent to Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT33111		24	, .	27-May-16 A	Submit/Approve SBD Goals and Request to Advertise - Replace 48" PCCP FM @ Opa Locka Airport (Sections 1 & 2)		
CT33121	Advertise Bid Package - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	53		07 Aug 10 A	Advertise Bid Package - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT33131	Bid Solicitation Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		07-Aug-16 A	Bid Solicitation Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT33141 CT33151	Bids Due - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	-		22 Aug 16 A	Bids Due - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
	Bid Review Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	15		22-Aug-16 A	Bid Review Period - Replace 48" PCCP FM @ Opa-Lock a Airport (Sections 1 & 2)		
CT33161	Award Recommendation - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	146		22-Aug-16 A	Award Recommendation - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT37580 CT33171	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	-	, .	26-Sep-16 A	Produrement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
	Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	35	0	26-Sep-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
Construction CT33181	Contractor Notice to Proceed (NTP) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	705		28-Feb-19			
CT37560	Construction - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	420		11-May-18 A	Contractor Notice to Proceed (NTP) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		
CT37570	Substantial Completion (CD Compliance Date 10/25/18) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	420		11-May-18 A	Construction Replace 48" PCCP FM @ Opa-Locka Airport (Sections		
CT40760	Project Closeout - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	90		28-Feb-19*	◆ Substantial Completion (CD Compliance Date 10/25/18) - Replace 48		a fa fa a
	Project dosedut "Replace 40 Poor Thing OparLocka Aripoti (Sections 1 & 2)	1175	,	28-Feb-19	Project Closeout - Replace 48",PCCP FM @ Opa ▼ 28-Feb-19, Project Administration	ocka Airport (Sections	.1 & 2)
Project Administration CT35371	WASD Project Administration - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	1175		28-Feb-19	┓ : : : : : : : : : : : : : : : : : : :		1 1 1
	M Along NW 159th St. from NW 57th St. to NW 54th St.	805		04-Sep-18 A	WASD Project Administration - Replace 48" PCCP 04-Sep-18 A, 4.10 (3) Replace 16" FM Along NW 159th St. fr	FM @ Opa-Locka Airpo m NW 57th St. to NW	ort (Sections 1. & 2 54th St.
Pre-Design		114		29-Jun-16 A	▼ 29-Jun-16;A, Pre-Design		
CT50000	Pre- Design - 4.10 (3)	115		29-Jun-16 A			
Engineering Design		132	11-May-16 A	20-Sep-16 A	Pre-Design - 4.10 (3) 20-Sep-16;A, Engineering Design		
CT50010	Engineering Design - 4.10 (3)	133		20-Sep-16 A	Engineering Design - 4/10 (3)		
Permitting		104	10-Sep-16 A	23-Dec-16 A	Engineering Design - 4/10 (3)		
CT50260	FDOT Utility Permit - 4.10 (3)	42	10-Sep-16 A	21-Oct-16 A			
CT50280							
	DERM Sewer Permit - 4.10 (3)	72	21-Sep-16 A	01-Dec-16 A	DERM Sewer Permit - 4:10 (3)		
CT50020	Permitting - 4.10 (3)	72 95	•	01-Dec-16 A 23-Dec-16 A	DERM Sewer Permit - 4:10 (3)		
			20-Sep-16 A		DERM Sewer Permit - 4:10 (3) Permitting - 4:10 (3)		
CT50020	Permitting - 4.10 (3)	95	20-Sep-16 A	23-Dec-16 A	DERM Sewer Permit - 4:10 (3)		
CT50020 CT50270	Permitting - 4.10 (3)	95 94	20-Sep-16 A 21-Sep-16 A 28-Nov-16 A	23-Dec-16 A 23-Dec-16 A	DERM Sewer Permit - 4:10 (3) Permitting - 4:10;(3) City Of Miami Gardens: Public Works Permit - 4:10 (3) T7;Jul-17; A, Procurement		
CT50020 CT50270 Procurement	Permitting - 4.10 (3) City Of Miami Gardens Public Works Permit - 4.10 (3)	95 94 231	20-Sep-16 A 21-Sep-16 A 28-Nov-16 A 28-Nov-16 A	23-Dec-16 A 23-Dec-16 A	DERM Sewer Permit - 4:10 (3) Permitting - 4:10 (3) City Df Miami Gardens Public Works Permit - 4:10 (3) Design Documents Sent to Procurement - 4:10 (3)		
CT50020 CT50270 Procurement CT80070	Permitting - 4.10 (3) City Of Miami Gardens Public Works Permit - 4.10 (3) Design Documents Sent to Procurement - 4.10 (3)	95 94 231 0	20-Sep-16 A 21-Sep-16 A 28-Nov-16 A 28-Nov-16 A 30-Nov-16 A	23-Dec-16 A 23-Dec-16 A 17-Jul-17 A	DERM Sewer Permit - 4:10 (3) Permitting - 4:10 (3) City Df Miami Gardens Public Works Permit - 4:10 (3) Design Documents Sent to Procurement - 4:10 (3) Phase I Propurement (Emergency Project)- 4:10 (3)		
CT50020 CT50270 Procurement CT80070 CT80150	Permitting - 4.10 (3) City Of Miami Gardens Public Works Permit - 4.10 (3) Design Documents Sent to Procurement - 4.10 (3) Phase I Procurement (Emergency Project) - 4.10 (3)	95 94 231 0 6	20-Sep-16 A 21-Sep-16 A 28-Nov-16 A 28-Nov-16 A 30-Nov-16 A 28-Nov-16 A	23-Dec-16 A 23-Dec-16 A 17-Jul-17 A 05-Dec-16 A	DERM Sewer Permit - 4:10 (3) Permitting - 4:10 (3) City Df Miami Gardens Public Works Permit - 4:10 (3) Design Documents Sent to Procurement - 4:10 (3) Phase I Propurement (Emergency Project) - 4:10 (3) Submit/Approve SBD Goals and Request to Adventse - 4:10 (3)		
CT50020 CT50270 Procurement CT80070 CT80150 CT80080	Permitting - 4.10 (3) City Of Miami Gardens Public Works Permit - 4.10 (3) Design Documents Sent to Procurement - 4.10 (3) Phase I Procurement (Emergency Project) - 4.10 (3) Submit/Approve SBD Goals and Request to Advertise - 4.10 (3)	95 94 231 0 6 57	20-Sep-16 A 21-Sep-16 A 28-Nov-16 A 28-Nov-16 A 30-Nov-16 A 28-Nov-16 A 28-Nov-16 A 24-Jan-17 A	23-Dec-16 A 23-Dec-16 A 17-Jul-17 A 05-Dec-16 A	DERM Sewer Permit - 4:10 (3) Permitting - 4:10 (3) City Df Miami Gardens Public Works Permit - 4:10 (3) Design Documents Sent to Procurement - 4:10 (3) Phase I Propurement (Emergency Project)- 4:10 (3) Submit/Approve SBD Goals and Request to Advertise - 4:10 (3) Advertise Bid Package - 4:10 (3)		
CT50020 CT50270 Procurement CT80070 CT80150 CT80080 CT80090	Permitting - 4.10 (3) City Of Miami Gardens Public Works Permit - 4.10 (3) Design Documents Sent to Procurement - 4.10 (3) Phase I Procurement (Emergency Project) - 4.10 (3) Submit/Approve SBD Goals and Request to Advertise - 4.10 (3) Advertise Bid Package - 4.10 (3)	95 94 231 0 6 57 0	20-Sep-16 A 21-Sep-16 A 28-Nov-16 A 28-Nov-16 A 30-Nov-16 A 28-Nov-16 A 24-Jan-17 A 24-Jan-17 A	23-Dec-16 A 23-Dec-16 A 17-Jul-17 A 05-Dec-16 A 23-Jan-17 A	DERM Sewer Permit - 4:10 (3) Permitting - 4:10 (3) City Of Miami Gardens Public Works Permit - 4:10 (3) Design Documents Sent to Procurement - 4:10 (3) Phase I Propurement (Emergency Project)- 4:10 (3) Submit/Approve SBD Goals and Request to Adventise - 4:10 (3) Adventise Bid Package - 4:10 (3) Bid Solicitation Period - 4:10 (3)		
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CT80030	Procurement - 4.10 (4)	270	02-Jan-21	28-Sep-21																<u> </u>	1 1		- 4, 10. (4)				
Construction		640	29-Sep-21	30-Jun-23																				1 1		- 30	-Jun-23, Co
CT81060	Notice to Proceed (NTP) - 4.10 (4)	0	29-Sep-21																		Notice	e to Pro	ceed (NT	ſP) - 4.	0 (4)		
CT80040	Construction - 4.10 (4)	550	29-Sep-21	01-Apr-23			1																<u> </u>	i i i i i i i i i i i i i i i i i i i	с	onstruc	tion - 4.10
CT81130	Commissioning - 4.10 (4)	30	03-Mar-23	01-Apr-23	_																1				🗖 c	ommise	sioning + 4.1
CT80050	Substantial Completion (Not Consent Decree) - 4.10 (4)	0	00 4 00	01-Apr-23	_																				♦ S	ubstant	tial Comple
CT80060	Project Closeout - 4.10 (4)	90	02-Apr-23	30-Jun-23*										<u></u>	<u></u>						<u>.ii</u> .			<u></u>		Pro	-Jun-23, Pr
Project Administration CT80810	MASD Project Administration - 4.10 (4)	1674 1674	17-Jul-18 A 17-Jul-18 A	30-Jun-23 30-Jun-23	-																1						
	Station System	4062	12-Dec-10 A	24-Jan-22	<u></u>	<u></u>	<u></u>	<u></u>			<u></u>				<u></u>						4	🛛 24-Ja	an-22, 5.	Sewer	Pump S	ation S	ASD Project
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5.01 Upgrade of P	'5#0418	2182	01-Nov-13 A	22-Oct-19									.		• 22 0												
Engineering Design PS51540	EPA Start Date for Engineering Design - Upgrade PS#0418	217	01-Nov-13 A 01-Nov-13 A	06-Jun-14 A						i																	
PS10040	EPA Staft Date for Engineering Design - Opgrade PS#0418 Engineering Design - Upgrade PS#0418	192	01-Nov-13 A	12-May-14 A	S#0418																						
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PS10190	Permitting - Upgrade PS#0418	389	21-Jul-14 A	13-Aug-15 A		ade PS#0			0.000,10																		
Procurement		364	07-Jun-15 A	05-Jun-16 A		▼ 05-Jur	-16 A, Pro	ocuremer	nt		1																
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PS32740	Design Documents Sent to Procurement	0	18-Sep-15 A		n Docume	ents Sent	to Procur	ement																			
PS32750	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0418	42	18-Sep-15 A	29-Oct-15 A	bmit/Appre	ove SBD	Goals and	d Reques	st to Ådv	ertise - L	Jograde	PS#0418			1						1						
PS32770	Advertise Bid Package - Upgrade PS#0418	0	30-Oct-15 A		vertise Bid	Packad	e - Upgrad	le PS#04	418																		
PS32780	Bid Solicitation Period - Upgrade PS#0418	50	30-Oct-15 A	18-Dec-15 A	Bid \$olicit	itation Pe	riod - Upa	rade P\$	#0418																		
PS32790	Bids Due - Upgrade PS#0418	0	18-Dec-15 A		Bids Due	- Upgrac	le PS#041	18																			
PS32800	Bid Review Period - Upgrade PS#0418	98	19-Dec-15 A	25-Mar-16 A	Bid	d Review	Period - U	lpgrade l	PS#0418	3																	
PS32810	Award Recommendation - Upgrade PS#0418	0	10.4 15.4	25-Mar-16 A			ommenda																				
PS10360	Procurement - Upgrade PS#0418	289	13-Aug-15 A	27-May-16 A		-i i	ement - U	-i -i	- i	i i																	
PS32820 PS50840	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0418 EPA Compliance Date for Procurement - Upgrade PS#0418	63	26-Mar-16 A	27-May-16 A 05-Jun-16 A	_ 💻	Final A	oprovals (E	3CC, Ma	yor, Risk	Mamt.)	- Upgrad	le P\$#04	8														
Construction	LEA compliance bate for Floculement - opgrade F 3#0+10	1243	28-May-16 A	22-Oct-19		EPA C	ompliance	Date to	r_Procure	ement-l	Jpgrade	PS#04.18		<u></u>	22-0	ct-19, C	onstruct	on	····								+
PS32830	Contractor Notice to Proceed (NTP) - Upgrade PS#0418	0	28-May-16 A	22-001-15																							
PS51570	EPA Start Date for Construction - Upgrade PS#0418	0	06-Jun-16 A		1	1.1.1	tor Notice tart Date f	1. 1.			1 1																
PS11111	City of Hialeah Completes Reroute of Gravity Mains from PS#418 to PS#200	0		17-Nov-16 A		EFA Ş	 City o 	-i i		- i -	i i		ne from P	C#/18 to	BS#200												
PS10550	Construction - Upgrade PS#0418	724	28-May-16 A	21-Apr-19		<u> </u>		i i liaicai		,			S IIOIII P	0##10 IC		truction	- Upgra	le PS#0	418								
PS72990	Commissioning - Upgrade PS#0418	60	21-Feb-19	21-Apr-19										Commis	sioning -	Undrade	PS#04	18									
PS10830	Substantial Completion (CD Compliance Date 10/22/19) - Upgrade PS#0418	0		21-Apr-19*											1				Date 10/	/22/19)	- Upgrade	ie PS#0	418				
PS40770	Project Closeout - Upgrade PS#0418	40	22-Apr-19	31-May-19*									1 1	1	ct Closeo	1.1	1										
PS50850	EPA Compliance Date for Construction - Upgrade PS#0418	0		22-Oct-19*				1	İ		jj.				i i			i i	nstructio	on - Upr	prade PS#	#0418					
Project Administration		1703	01-Nov-13 A	31-May-19	_									31-M	ay-19, Pro	oject Ad	ministra	ion									
PS35360	WASD Project Administration - Upgrade PS#0418	1703	01-Nov-13 A	31-May-19			<u></u>				· · ·			WAS	D Project Jun-19, 5	Adminis	stration	Upgrade	e P\$#04	418							
5.02 Upgrade of P	C#U 091	1792	04-Aug-14 A	30-Jun-19														. 3#009	···					. .			
Pre-Design PS20010	Pre-Design - Lingrade PS#0601	112	04-Aug-14 A	24-Nov-14 A 24-Nov-14 A																		}				}	
Engineering Design	Pre-Design - Upgrade PS#0691	703	04-Aug-14 A 07-Oct-14 A	24-NOV-14 A 09-Sep-16 A	#0691		09-Sep-16	A, Endi	neerina l	Design	÷		+		+									· · · · · · ·			+
PS51580	EPA Start Date for Engineering Design - Upgrade PS#0691**	0	07-Oct-14 A	00-0ep-10 A			1	1 1												-						i	
PS10120	Engineering Design - Upgrade PS#0691	126	26-Nov-14 A	31-Mar-15 A	ng Design		de P\$#06 Engineerir		: n-Unor	ade PS#	#0691																
PS31230	Design (City of Homestead) - Upgrade PS#0691	86	05-Jan-15 A	31-Mar-15 A	-	1		1 1	. opgi		5001																
PS20000	Basis of Design Report (BODR) - Upgrade PS#0691	178	26-Nov-14 A	22-May-15 A			de P\$#06 Upgrade	1 1	1																		
PS31180	BODR Review Period - Upgrade PS#0691	26	25-May-15 A	19-Jun-15 A	- i - i	- i - i	e PS#069	-i i																			
PS50860	EPA Compliance Date for Engineering Design - Upgrade PS#0691**	0		09-Sep-16 A) ate for F	ndineer	ina Desi	an - Una	de PS#0	691**													
Permitting		941	10-Aug-14 A	08-Mar-17 A		·····•	EPA Com	08-Mai	r-17 Å, F	emitting	3																1
PS51590	EPA Start Date for Permitting - Upgrade PS#0691**	0	10-Aug-14 A		pgrade PS	S#0691**																					
PS10280	Permitting (City of Homestead) - Upgrade PS#0691	121	01-Apr-15 A	30-Jul-15 A	_			Permit	ting (Ċity	of Hom	estead)	- Upgrade	PS#0691	I													
PS50870	EPA Compliance Date for Permitting - Upgrade PS#0691	0		08-Mar-17 A				EPA O	ompliand	e Date 1	tor Perm	ittina - Un	nade PS	#0691	ļļ												
Procurement	Presumment (Chu of Llamentand) Llamenta D0//0004	884	31-Jul-15 A	03-Dec-17 A	_						1 1	1															
PS10450	Procurement (City of Homestead) - Upgrade PS#0691	169	31-Jul-15 A	15-Jan-16 A	-					Procu	rement	(City of H	mestead) - Upgrad	te PS#06	91											
PS51600	EPA Start Date for Procurement - Upgrade PS#0691	0	09-Mar-17 A	02 Dec 17 1	-			EPA S					e PS#069				ł			-						i	
PS50880	EPA Compliance Date for Procurement - Upgrade PS#0691	0	02 lon 17 1	03-Dec-17 A						♦ EPA	Complia	nce Date	or Procur	ement - L	Jograde E Jun-19, C	S#0691	1 tion		····		·			·			
Construction PS32930	Contractor Notice to Proceed (NTP) - Upgrade PS#0691	909	03-Jan-17 A 03-Jan-17 A	30-Jun-19			Ĭ													1		1				1	
PS51610	EPA Start Date for Construction - Upgrade PS#0691	0	03-Jan-17 A 04-Dec-17 A		-		♦ Co	ontractor			1 1		PS#0691							i.							
PS50890	EPA Compliance Date for Construction - Upgrade PS#0691	0	0- 200-17 A	27-Jan-19*	-				1	♦ EPA	Start Da	te for Cor	1 1	1	PS#069	1										-	
1 000000		0	03-Jan-17 A	01-Apr-19	-	1		1			<u>; i</u>				nce Date I								1				
PS10650	Construction (City of Homestead) - Upgrade PS#0691	394								_				Condence	ion (City o	of Liam-	introad)	I loamed	DC#00	301							

	ee Schedule - December 2018 Update	Original			Baseline (By Phase) 15-Jan-19 13:16 - Page No. 5
	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 <t< th=""></t<>
S40780	Project Closeout - Upgrade PS#0691	90	02-Apr-19	30-Jun-19*	
oject Administration		1253	26-Nov-14 A	30-Jun-19	Project Closeout - Updrade RS#069.1
S35350	WASD Project Administration - Upgrade PS#0691	1253	26-Nov-14 A	30-Jun-19	WASD Project Administration - Upprade PS#0691
3 Upgrade of PS#	0692	2145	04-Aug-14 A	17-Jun-20	▼ 17-Jun-20,5.03 Upgrade of PS#0692
e-Design		112	04-Aug-14 A	24-Nov-14 A	
S20080	Pre-Design - Upgrade PS#0692	113	04-Aug-14 A	24-Nov-14 A	#0692
gineering Design		713	26-Nov-14 A	08-Nov-16 A	08-Nov-16 A, Engineering:Design
S51620	EPA Start Date for Engineering Design - Upgrade PS#0692	0	07-Dec-14 A		eering Design - Upgrade PS#0692
S50900	EPA Compliance Date for Engineering Design - Upgrade PS#0692**	0		15-May-15 A	ce Date for Engineering Design - Upgrade PS#0692**
S20090	Basis of Design Report (BODR) - Upgrade PS#0692	248	26-Nov-14 A	31-Jul-15 A	Design Report (BODR) - Upgrade P\$#0692
S20120	BODR Review Period - Upgrade PS#0692	68	03-Aug-15 A	09-Oct-15 A	DR Review Period - Upgrade PS#0692
S31370	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0692	277	21-Aug-15 A	23-May-16 A	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0692
S32110	60% Design Submittal - Upgrade PS#0692	99	24-May-16 A	30-Aug-16 A	60% Design Submittal - Upgrade PS#0692
S32120	60% Design Review - Upgrade PS#0692	7	31-Aug-16 A	06-Sep-16 A	60% Desiari Review - Upgrade PS#0692
S10140	Engineering Design - Upgrade PS#0692	714	26-Nov-14 A	08-Nov-16 A	Engineering Design:- Ubgrade PS#0692
S20150	100% Design Submittal -Upgrade PS#0692	63	07-Sep-16 A	08-Nov-16 A	
rmitting		1177	10-Aug-14 A	02-Oct-17 A	
S51630	EPA Start Date for Permitting - Upgrade PS#0692**	0	10-Aug-14 A		pgrade PS#0692**
S50700	RER/DERM Permit - Upgrade PS#0692	191	08-Nov-16 A	17-May-17 A	RER/DERM Permit- Upgrade PS#0692
S50910	EPA Compliance Date for Permitting - Upgrade PS#0692**	0		30-Aug-17 A	♦ EPA Compliance Date for Permitting - Upgrade PS#0692**
S10300	Permitting - Upgrade PS#0692	356	08-Nov-16 A	02-Oct-17 A	Permitting - Upgrade PS#0692
S72000	Building Dept Permit - Upgrade PS#0692	166	17-May-17 A	02-Oct-17 A	
ocurement		718	14-Feb-17 A	31-May-19	Building Dent Permit - Upgrade PS#0692
S71930	GMOU Submittal and Approval - Upgrade PS#0692	20	14-Feb-17 A	05-Mar-17 A	┓
S41080	Pre-Purchase Bid Package (Pumps & Valves) - PS#0692		23-Mar-17 A	31-Mar-17 A	GMOU Submittal and Approval - Upgrade PS#0692
S41090	Advertise Pre-Purchase (Pumps & Valves) - PS#0692	0	03-Apr-17 A		Pre-Purchase Bid Package (Pumps & Valves) - PS#0692
S41100	VendorBid & Award (Pumps & Valves) - PS#0692	18	03-Apr-17 A	20-Apr-17 A	Advertise Pre-Purchase (Pumps & Valves) - PS#0692
S71850	Internal Bid Package Review - Upgrade PS#0692		01-Aug-17 A	03-Aug-17 A	Veindor Bid & Award (Pumps & Valves) PS#0692
S32940	Design Documents Sent to Procurement - Upgrade PS#0692		04-Aug-17 A		I Internal Bid Package Review - Upgrade PS#0692
S51640	EPA Start Date for Procurement - Upgrade PS#0692				Design Documents Sent to Procurement - Upgrade PS#0692
S50920		0	01-3ep-17 A	05-Oct-17 A	◆ EPA Start Date for Procurement - Upgrade; PS#0692
	EPA Compliance Date for Procurement - Upgrade PS#0692	-	04 000 17 0		
S32950	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692	70	04-Aug-17 A	14-Feb-18 A	Submit/Approve SBD Goals and Request to Adventise - Uporade PS#0692
S32960	Advertise Bid Package - Upgrade PS#0692	0	15-Feb-18 A	01.0.10.0	Advertişe Bid Package - Upgrade PS#0692
S32970	Bid Solicitation Period - Upgrade PS#0692	45	15-Feb-18 A	01-Apr-18 A	Bid Solicitation Period - Upglade PS#0692
S32980	Bids Due - Upgrade PS#0692	0	02-Apr-18 A		♦ Bids Due - Upgrade PS#0692
S32990	Bid Review Period - Upgrade PS#0692	30	02-Apr-18 A	29-May-18 A	Bid Review Period - Upgrade PS#0692
S72900	Bids Rejected - Upgrade PS#0692	0		29-May-18 A	→ Bids Rejected - Upgrade PS#0692
S72920	Revise Bid Packages - Upgrade PS#0692	30	30-May-18 A	12-Aug-18 A	Revise Bid Packages - Upgrade PS#0692
S72970	Design Documents Sent to Procurement - Upgrade PS#0692	0	13-Aug-18 A		Design Documents Sent to Procurement - Upgrade PS#0692
S72930	Re-Advertise Bid Package (Bid #2) - Upgrade PS#0692	0	16-Aug-18 A		♦ Re-Advertise Bid Package (Bid #2) - Upgrade PS#0692
S72940	Bid Solicitation Period for Revised Pakage (Bid #2) - Upgrade PS#0692	30	16-Aug-18 A	03-Oct-18 A	🗾 Bid Solicitation Period for Revised Pakage (Bid #2) - Upgrade PS#0692
S72950	Bids Due for Revised Pakage (Bid #2) - Upgrade PS#0692	0	04-Oct-18 A		♦ Bids Due for Revised Pakage (Bid #2) - Upgrade PS#0692
S72980	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692	60	17-Jul-18 A	30-Oct-18 A	Submit/Approve SBD Goals and Request to Adventse - Upgrade PS#0692
S72960	Bid Review Period for Revised Pakage (Bid #2) - Upgrade PS#0692	31	04-Oct-18 A	13-Nov-18 A	Bid Review Period for Revised Pakage (Bid #2) - Upgrade PS#0692
S33000	Award Recommendation - Upgrade PS#0692	0		13-Nov-18 A	◆ Award Recommendation - Upgrade PS#0692
S10470	Procurement - Upgrade PS#0692	175	04-Aug-17 A	02-Jan-19	Procurement - Upgrade PS#0692
S33010	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0692	60	14-Nov-18 A	02-Jan-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0692
S41070	Pre-Purchase Pumps & Valves - PS#0692	360	23-Mar-17 A	31-May-19	Pre-Purchase Pumps & Valves - PS#0692
S41110	Fabricate & Deliver Pumps & Valves - PS#0692	331	21-Apr-17 A	31-May-19	Fabricate & Delivet Pumps & Values, FS#0692
nstruction		961	06-Oct-17 A	17-Jun-20	T-autrate & Deliver Publics & Values 1 Construction
S51650	EPA Start Date for Construction - Upgrade PS#0692	0	06-Oct-17 A		◆ EPA Start Date for Construction - Upgrade PS#0692
S33020	Contractor Notice to Proceed (NTP) - Upgrade PS#0692	0	21-Jan-19*		♦ El in Stan Date loi construction > opgrade 1 0#0002 ♦ Contractor Notice to Proceed (NTP) - Upgrade PS#0692
S10670	Construction - Upgrade PS#0692	400	21-Jan-19	24-Feb-20	Construction - Upgrade PS#0692
S723000	Commissioning - Upgrade PS#0692	30	26-Jan-20	24-Feb-20	Commissioning - Upgrade PS#0692
S10860	Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692	0		24-Feb-20*	♦ Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692
540790	Project Closeout - Upgrade PS#0692	90	25-Feb-20	24-May-20*	Project Closeout - Upgrade PS#0692
350930	EPA Compliance Date for Construction - Upgrade PS#0692	0		17-Jun-20*	I I I I I I I I I I I I I I I I I I
ject Administration		1647	26-Nov-14 A	24-May-20	◆ EPA Compliance Date for Construction - Upgrade PS#0692 ↓ 24-May-20, Project Administration
635340	WASD Project Administration - Upgrade PS#0692	1647	26-Nov-14 A	24-May-20	┫
Replacement of	Switchgear PS#0414 and Generator Replacement	2485	07-Oct-14 A	26-Jul-21	WASD Project Administration - Upgrade PS#0692 26-Jul-21, 5.04 Replacement of Switchgear PS#0414 a
ineering Design		540	07-Oct-14 A	30-Mar-16 A	30-Mar-16 A, Engheering Design
S51660	EPA Start Date for Engineering Design - PS#0414**	0	07-Oct-14 A		ng Désign -⊮PS#0414**
50940	EPA Compliance Date for Engineering Design - PS#0414**	0		13-May-15 A	
\$10100	Engineering Design - PS#0414	416	09-Feb-15 A	30-Mar-16 A	ce Date for Engineering Design - PS#0414** Engineering Design - PS#0414
mitting		793	14-May-15 A	15-Jul-17 A	Tiglineening Design + r chort i ta
S51670	EPA Start Date for Permitting - PS#0414**	0	14-May-15 A		┫
S10250	Permitting - PS#0414		25-May-16 A	15-Jun-17 A	e for Permitting - PS#0414** Permitting - PS#0414
S50950	EPA Compliance Date for Permitting - PS#0414	0	,	15-Jul-17 A	
		836	08-Jun-15 A	20-Sep-17 A	
s51680	EPA Start Date for Procurement - PS#0414**	0	08-Jun-15 A 08-Jun-15 A	20-3ep-17 A	1
S51660 S50960	EPA Stalt Date for Procurement - PS#0414 EPA Compliance Date for Procurement - PS#0414**	0	JU-JUIT I J A	15-Aug-17 A	ate for Procurement - PS#0414**
000000	Procurement - PS#0414	310	15 Nov 16 A		
\$10420		310	15-Nov-16 A	20-Sep-17 A	Procurement - PS#0414
S10420 nstruction		669	16-Aug-17 A	15-Jun-19	V 15-Jun-19, Construction

	ecree Schedule - December 2018 Update	Original	Stand	Finish	Baseline (By Phase) 15-Jan-19 13:16 - Page No.
	, our y rento	Duration	otan	1 mon	Q1 Q2 Q3 Q4 Q1 Q2 Q3 <
PS10610	Construction - PS#0414	301	21-Sep-17 A	19-Feb-19	Construction - P\$#0414
PS50970	EPA Compliance Date for Construction - PS#0414	0		15-Jun-19*	◆ EPA Compliance Date for Construction - PS#0414
oject Administration	n	1316	09-Feb-15 A	20-Apr-19	
S35330	WASD Project Administration - PS#0414	1316	09-Feb-15 A	20-Apr-19	WASD Project Administration - PS#0414. ▼ 20-Apr-19, 5.04 (1) Replacement of Switchgear PS#0414
4 (1) Replacemei	ent of Switchgear PS#0414	1647	17-Oct-14 A	20-Apr-19	▼ 20-Apr-19, 5.04 (1) Keplacement of Switchgear PS#0414
e-Design		112	17-Oct-14 A	06-Feb-15 A	laðu
S20240	Pre-Design - PS#0414	113	17-Oct-14 A	06-Feb-15 A	
gineering Design		415	09-Feb-15 A	30-Mar-16 A	30-Mar-16 A, Engineering Design
S20001	Basis of Design Report (BODR) - PS#0414	114	09-Feb-15 A	02-Jun-15 A	Ign Report (BODR) - PS#0414
S20011	BODR Review Period - PS#0414	34	03-Jun-15 A	06-Jul-15 A	iew Pieriod + PS#0414
S31250	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
S20021	30% Design Submittal - PS#0414	74	29-Sep-15 A	11-Dec-15 A	30% Design Submittal -IPS#0414
S20031	30% Design Review - PS#0414	12	12-Dec-15 A	23-Dec-15 A	30% Design Review - PS#0414
620041	60% Design Submittal - PS#0414	47	24-Dec-15 A	08-Feb-16 A	60% Design Submittal - PS#0414
S20051	60% Design Review - PS#0414	22	08-Feb-16 A	29-Feb-16 A	60% Design Review - PS#0414
S723120	Engineering Design - PS#0414	0	09-Feb-15 A	30-Mar-16 A	Engineering Design - PS#0414
S20061	100% Design Submittal - PS#0414	45	15-Feb-16 A	30-Mar-16 A	
mitting	-	386	25-May-16 A	15-Jun-17 A	100% Design Submittal - PS#0414 15 Jun-17 A, Permitting
S50370	DERM Permit Submittal - PS#0414	0	25-May-16 A		I
S723130	Permitting - PS#0414	0	25-May-16 A	25-May-16 A	◆ DERM Permit Submittal - PS#0414
S50390	Derm Permit Submittal Review - PS#0414	16	25-May-16 A	09-Jun-16 A	Permitting - PS#0414
S50330	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0414	10	10-Jun-16 A	23-Jun-16 A	Derm Permit Submittal Review - PS#0414
550430 550380	Municipality Bldg. Dept. Submittal - PS#0414	0	30-Sep-16 A	20-001PTUA	A/E Prepates/Sutomits Responses to DERM Permit Submittal - PS#0414
		-		20.0+40.4	♦ Municipality Bldg. Dept. Submittal - PS#0414
S50410	Municipality Bldg. Dept. Submittal Review - PS#0414	31	30-Sep-16 A	30-Oct-16 A	Municipality Bldg. Dept. Submittal Review - PS#0414
350450	DERM Permit Approval - PS#0414	166	30-Jun-16 A	12-Dec-16 A	DERM Permit Approval - PS#0414
\$50440	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0414	140	30-Nov-16 A	18-Apr-17 A	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0414
S50460	Municipality Bldg. Dept. Submittal Approval - PS#0414	58	19-Apr-17 A	15-Jun-17 A	. Municipality Bldg. Dept. Submittal Approval - PS#0414.
ocurement		310	15-Nov-16 A	20-Sep-17 A	20-Sep-17/A, Procurement
S32290	Design Documents Sent to Procurement - PS#0414	0	15-Nov-16 A		◆ Design Documents Sent to Procurement - PS#04 4
6723140	Procurement - PS#0414	0	15-Nov-16 A	15-Nov-16 A	Procurement-PS#0414
\$32300	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
532310	Advertise Bid Package - PS#0414	0	22-Mar-17 A		Advertise Bid Package - PS#0414
532320	Bid Solicitation Period - PS#0414	36	22-Mar-17 A	26-Apr-17 A	Bid Solicitation Period - PS#0414
S32330	Bids Due - PS#0414	0	27-Apr-17 A		
S32340	Bid Review Period - PS#0414	84	27-Apr-17 A	19-Jul-17 A	♦ Bids Due - PS#0414
S32350	Award Recommendation - PS#0414	0		19-Jul-17 A	Bid Review Period - PS#0414
S32360	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0414	63	20-Jul-17 A	20-Sep-17 A	Award Recommendation - PS#0414
				· ·	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0414
nstruction S32370	Contractor Notice to Proceed (NTP) - PS#0414		21-Sep-17 A 21-Sep-17 A	20-Apr-19	
S723150	Construction - PS#0414	301		19-Feb-19	
			21-Sep-17 A	19-Feb-19	Construction - PS#0414
S723010	Commissioning - PS#0414	30	21-Jan-19		Commissioning - PS#0414
S10770	Substantial Completion (CD Compliance Date 6/15/19) - PS#0414	0		19-Feb-19*	◆ Substantial Complétion (CD Compliance Date 6/15/19) + PS#0414
S40800	Project Closeout - PS#0414	60	20-Feb-19	20-Apr-19*	Project Closeout - P\$#041/4.
(2) Generator R	Replacement	1000	15-Aug-18 A	26-Jul-21	
-Design		90	15-Aug-18 A	14-Jan-19	v 14-Jan-19, Pre-Design
S723160	Pre-Design - PS#0414 Generator Replacement	90	15-Aug-18 A	14-Jan-19	D. Pré-Design - P\$#0414 Generator Replacement
gineering Design		164	15-Jan-19	27-Jun-19	27-Jun-19, Engineering Design
S723200	30% Design Submittal - PS#0414 Generator Replacement	60	15-Jan-19	15-Mar-19	30% Design Submittal - PS#0414 Generator Replacement
\$723210	30% Design Review - PS#0414 Generator Replacement	14	16-Mar-19	29-Mar-19	I 30% Design Review - PS#0414 Generator Replacement
5723250	100% Design Submittal - PS#0414 Generator Replacement	60	30-Mar-19	28-May-19	100% Design Submittal + PS#0414 Generator Replacement
5723240	Engineering Design - PS#0414 Generator Replacement	164	15-Jan-19	27-Jun-19	Engineering Design - PS#0414 Generator Replacement
5723490	100% Design Review/Permit Ready Submittal - PS#0414 Generator Replacement	30	29-May-19	27-Jun-19	
mitting		180	28-Jun-19	24-Dec-19	24-Dec-19 Permitting
S723270	Permitting - PS#0414 Generator Replacement	180	28-Jun-19	24-Dec-19	Permitting - PS#0414 Generator Replacement
curement		270	25-Dec-19	19-Sep-20	Permitting - PS#0414 Generator Replacement 19-Sep-20, Procurement
S723350	Design Documents Sent to Procurement - PS#0414 Generator Replacement	0	25-Dec-19		Design Documents Sent to Procurement - PS#0414 Generator Replacement
S723370	Submit/Approve SBD Goals and Request to Advertise - PS#0414 Generator Replacement	60	25-Dec-19	22-Feb-20	Submit/Approve SBD Goals and Request to Advertise - PS#0414 Generator Replacement
S723380	Advertise Bid Package - PS#0414 Generator Replacement	0	23-Feb-20		Submit/Approve SpD Goals and Reduest to Advertise - FS#0414 Generator Replacement
S723390	Bid Solicitation Period - PS#0414 Generator Replacement	60	23-Feb-20	22-Apr-20	
5723400	Bids Due - PS#0414 Generator Replacement	0	23-Apr-20		Bid Solicitation Period - PS#0414 Generator Replacement
5723410	Bid Review Period - PS#0414 Generator Replacement	30	23-Apr-20	22-May-20	◆ Bids Due - PS#0414 Generator Replacement
5723420	Award Recommendation - PS#0414 Generator Replacement	0		22-May-20	Bid Review Period - PS#0414 Generator Replacement
5723420 5723360	Procurement - PS#0414 Generator Replacement	270	25-Dec-19	19-Sep-20	Award Recommendation - PS#0414 Generator Replacement
				· ·	Procurement - PS#0414 Generator Replacement
3723430	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0414 Generator Replacement	120	23-May-20	19-Sep-20	Final Approvals.(BCC, Mayor, Risk Momt.): PS#0414.Generator Replacemen
struction	Contractor Nation to Dramond (NTD) DO#0414 Concenter Depleter work	310	20-Sep-20	26-Jul-21	
S723440	Contractor Notice to Proceed (NTP) - PS#0414 Generator Replacement	0	20-Sep-20		Contractor Notice to Proceed (NTP) - PS#0414 Generator Replacement
S723450	Construction - PS#0414 Generator Replacement	250	20-Sep-20	27-May-21	Construction - PS#0414 Generator Replacement
S723460	Commissioning - PS#0414 Generator Replacement	30	28-Apr-21	27-May-21	Commissioning - PS#0414 Generator Replacement
\$723470	Substantial Completion (Non-Consent Decree) - PS#0414 Generator Replacement	0		27-May-21	◆ Substantial Completion (Non-Consent Decree) - PS#0414 C
6723480	Project Closeout - PS#0414 Generator Replacement	60	28-May-21	26-Jul-21	
Replacement	t of Switchgear and Rehabilitation of Wetwell PS#0415	1850	10-Aug-14 A	02-Sep-19	
-Design		133	26-Sep-14 A	06-Feb-15 A	sgn
20250	Pre-Design - PS#0415	134	26-Sep-14 A	06-Feb-15 A	
		601	07-Oct-14 A	30-May-16 A	9▼ 30-May-16 A, Engineeting Design
neering Design					

ty ID	Decree Schedule - December 2018 Update Activity Name	Original	Standa	ard Layout w Finish	e (By Phase) 2016 2017 2018 2019 2020	15-Jan-19 13:16 - Page No. 60
		Duration	Start	TITIST	2010 2017 2018 2019 2020 Q2 Q3 Q4 Q1 Q2 Q3 V4 V1 Q2 V3 V4 V1 Q2 V3 V4 V1 Q2 V3 V4	
PS20002	Basis of Design Report (BODR) - PS#0415	127	09-Feb-15 A	15-Jun-15 A	port (BODR) - PS#0415	
PS20012	BODR Review Period - PS#0415	120	16-Jun-15 A	13-Oct-15 A	ew Period - PS#0415	
PS31260	Negotiate Scope & Fee of Remaining Design - PS#0415	134	27-Jul-15 A	07-Dec-15 A	te Scope & Fee of Remaining Design - PS#0415	
PS20022	30% Design Submittal - PS#0415	76	14-Oct-15 A	28-Dec-15 A	Design Submittal- PS#0415	
PS20032	30% Design Review - PS#0415	14	29-Dec-15 A	11-Jan-16 A	Design Review - PS#0415	
PS20042	60% Design Submittal - PS#0415	46	12-Jan-16 A	26-Feb-16 A	% Design Submittal - PS#0415	
PS20052	60% Design Review - PS#0415	14	27-Feb-16 A	11-Mar-16 A	0% Design Review - P\$#0415	
PS50980	EPA Compliance Date for Engineering Design - PS#0415**	0		24-Apr-16 A	ERA Compliance Date for Engineering Design - PS#0415**	
PS10110	Engineering Design - PS#0415	477	09-Feb-15 A	30-May-16 A	Engineering:Design - PS#0415	
PS20062	100% Design Submittal - PS#0415	80	12-Mar-16 A	30-May-16 A		
Permitting		1116	10-Aug-14 A	30-Aug-17 A	100%Design Submittal - PS#0415 → 30-Aug-17 A, Permitting	
PS51710	EPA Start Date for Permitting - PS#0415**		10-Aug-14 A		5**	
PS50250	DERM Permit Submittal - PS#0415		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		
PS50310	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0415	31	02-Aug-16 A	01-Sep-16 A	Derm Permit Submittal Review - PS#0415	
PS50260	Municipality Bldg. Dept. Submittal - PS#0415		28-Sep-16 A			
PS50330	DERM Permit Approval - PS#0415		02-Sep-16 A	14-Dec-16 A	Municipality Bldg. Dept. Submittal + PS#0415	
PS50290	Municipality Bldg. Dept. Submittal Review - PS#0415	186	28-Sep-16 A	01-Apr-17 A	DERM Permit Approval - PS#0415	
PS50320	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0415	34	02-Apr-17 A	05-May-17 A	Municipality Bldg. Dept. Submittal Review - PS#0415	
PS10270	Permitting - PS#0415		31-May-16 A	30-May-17 A	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - P\$#0415	
PS50340	Municipality Bldg. Dept. Submittal Approval - PS#0415	25	06-May-17 A	30-May-17 A	Permitting - PS#0415	
PS50340 PS50990	EPA Compliance Date for Permitting - PS#0415	25	30-way-17 A	30-iviay-17 A 30-Aug-17 A	Municipality Bldg. Dept. Submittal Approval - PS#0415	
l		348	17-Nov-16 A	15-Oct-17 A		
Procurement PS32380	Design Documents Sent to Procurement - PS#0415	348	17-Nov-16 A 17-Nov-16 A	10-001-17 A		
PS32380 PS51720	EPA Start Date for Procurement - PS#0415	0	03-Dec-16 A		Design Documents: Sent to Procurement - PS#04 5	
		-		01-Jun-17 A	◆ EPA \$tart Date for Procurement - P\$#0415	
PS32390 PS32400	Submit/Approve SBD Goals and Request to Advertise - PS#0415	197	17-Nov-16 A	or-Jun-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0415	
	Advertise Bid Package - PS#0415	-	02-Jun-17 A	07.1.147.4	♦ Advertise Bid Package - PS#0415	
PS32410	Bid Solicitation Period - PS#0415	56	02-Jun-17 A	27-Jul-17 A	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 - P\$#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 Mgmt.) - PS#0415	
PS51000	EPA Compliance Date for Procurement - PS#0415	0		15-Oct-17 A	 EPA Compliance Date for Procurement - PS#0415 02-Sep-19, Construction 	
Construction		672	11-Oct-17 A	02-Sep-19	U2-Sep-19, Construction	
PS32460	Contractor Notice to Proceed (NTP) - PS#0415	0	11-Oct-17 A		Contractor Notice to Proceed (NTP) - PS#0415	
PS51730	EPA Start Date for Construction - PS#0415	0	16-Oct-17 A		EPA Start Date for Construction - PS#0415	
PS10640	Construction - PS#0415	421	11-Oct-17 A	13-Jul-19	Construction - PS#0415	
PS723020	Commissioning - PS#0415	60	15-May-19	13-Jul-19	Commissioning - PS#0415	
PS10870	Substantial Completion (CD Compliance Date 9/02/19) - PS#0415	0		13-Jul-19*	Substantial Completion (CD)	Compliance Date 9/02/19) - PS#0415
PS40000	Project Closeout - PS#0415	30	14-Jul-19	12-Aug-19*	Project Closeout - PS#041	5
PS51010	EPA Compliance Date for Construction - PS#0415	0		02-Sep-19*	€ EPA Compliance Date for 12-Aug-19, Project Adminis	
Project Administration	ion	1456	09-Feb-15 A	12-Aug-19	12-Aug-19, Project Adminis	ration
PS35320	WASD Project Administration - PS#0415	1456	09-Feb-15 A	12-Aug-19	WASD Project Administratio	/n - IPS#0415
5.06 Replacemer	ent of Switchgear PS#0416	1711	07-Oct-14 A	13-Jun-19	▼ 13-Jun-19,/5.06 Replacement	of Switchgear P\$#0416
Pre-Design		110	18-Oct-14 A	05-Feb-15 A		
PS20260	Pre-Design - PS#0416	111	18-Oct-14 A	05-Feb-15 A		
Engineering Design	1	595	07-Oct-14 A	24-May-16 A	▼ 24-May-16 A, Engineering Design	
PS51740	EPA Start Date for Engineering Design - PS#0416**	0	07-Oct-14 A		gn -PS#0416**	
PS51020	EPA Compliance Date for Engineering Design - PS#0416**	0		13-May-15 A	- e for Engineering Design - P\$#0416**	
PS30600	Basis of Design Report (BODR) - PS#0416	117	06-Feb-15 A	02-Jun-15 A	ort (BODR) - PS#0416	
PS30610	BODR Review Period - PS#0416	34	03-Jun-15 A	06-Jul-15 A	iod - PS#0416	
PS31270	Negotiate Scope & Fee of Remaining Design - PS#0416	153	08-Jul-15 A	07-Dec-15 A	te Scope & Fee of Remaining Design - PS#0416	
PS30620	30% Design Submittal - PS#0416	77	29-Sep-15 A	14-Dec-15 A	esign Submittal - PS#0416	
PS30630	30% Design Review - PS#0416	10	15-Dec-15 A	24-Dec-15 A	besign Review - PS#0416	
PS30640	60% Design Submittal - PS#0416	46	25-Dec-15 A	08-Feb-16 A	/ Design Submittal - PS#0416	
PS30650	60% Design Review - PS#0416	21	09-Feb-16 A	29-Feb-16 A	% Design Submittai - FS#0416	
PS10080	Engineering Design - PS#0416	474	06-Feb-15 A	24-May-16 A	Engineering Design - PS#0416	
PS30660	100% Design Submittal - PS#0416	99	16-Feb-16 A	24-May-16 A		
Permitting	-		14-May-15 A	31-May-17 A	■. 100%.Design.Submittal PS#0416 31-May-17 A, Permitting	
PS51750	EPA Start Date for Permitting - PS#0416**		14-May-15 A		ermitting - PS#0416**	
PS50130	DERM Permit Submittal - PS#0416		-		♦ DERM Permit Submittal + PS#0416	
PS50150	Derm Permit Submittal Review - PS#0416	23	25-May-16 A	16-Jun-16 A	 Derm Permit Submittal Review - PS#0416 	
PS50190	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0416	77	17-Jun-16 A	01-Sep-16 A		
PS50120	Bldg. Dept. Permit Submittal - PS#0416	0	29-Sep-16 A		A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0416	
PS50160	Bldg. Dept. Permit Submittal Review - PS#0416		29-Sep-16 A	22-Nov-16 A	◆ Bldg. Dept. Permit Submittat - PS#0416	
PS50210	DERM Permit Approval - PS#0416	104	02-Sep-16 A	14-Dec-16 A	Bldg. Dept. Permit Submittal Review + PS#0416	
PS50210 PS50180	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416	104	23-Nov-16 A	15-Apr-17 A	DERM Permit Approval - PS#0416	
				•	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416	
PS10230	Permitting - PS#0416	351	24-May-16 A	09-May-17 A	Permitting - PS#0416	
PS50230	Bldg. Dept. Permit Approval - PS#0416	24	16-Apr-17 A	09-May-17 A	Bldg. Dept. Permit Approval - P \$#0416	
PS51030	EPA Compliance Date for Permitting - PS#0416	0		31-May-17 A		
Procurement		799	08-Jun-15 A	15-Aug-17 A		
PS51760	EPA Start Date for Procurement - PS#0416**	0	08-Jun-15 A		Procurement - P\$#0416**	
PS32470	Design Documents Sent to Procurement - PS#0416		15-Nov-16 A			

	cree Schedule - December 2018 Update				aseline (By Phase)	15-Jan-19 13:16 - Page No. 6
ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3	Z019 Z020 Z021 Z022 Z023 Q4 Q1 Q2 Q3 Q4 Q1 Q2
PS32480	Submit/Approve SBD Goals and Request to Advertise - PS#0416	127	15-Nov-16 A	21-Mar-17 A	Submit/Approve SBD Goals and Re	
PS32490	Advertise Bid Package - PS#0416	0	22-Mar-17 A		◆ Advertise Bid Package - PS#0416	
PS32500	Bid Solicitation Period - PS#0416	36	22-Mar-17 A	26-Apr-17 A	Bid Soliditation Period - PS#0416	
PS32510	Bids Due - PS#0416	0	27-Apr-17 A		♦ Bids Due - PS#0416	
PS32520	Bid Review Period - PS#0416	41	27-Apr-17 A	06-Jun-17 A	Bid Review Period - PS#0416	
PS32530	Award Recommendation - PS#0416	0		06-Jun-17 A	Award Recommendation - PS	
PS10400	Procurement - PS#0416	246	15-Nov-16 A	18-Jul-17 A	Procurement - PS#0416	
PS32540	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0416	42	07-Jun-17 A	18-Jul-17 A	Final Approvals (BCC Mayo	or, Ris <mark>k</mark> Mgml.) - P\$#0416
PS51040	EPA Compliance Date for Procurement - PS#0416	694	20-Jul-17 A	15-Aug-17 A 13-Jun-19	EPA Compliance Date for	r Procurement - PS#0416 13-Jun-19, Construction
Construction PS32550	Contractor Notice to Proceed (NTP) - PS#0416	094	20-Jul-17 A	13-3011-19		
PS51770	EPA Start Date for Construction - PS#0416	0	16-Aug-17 A		Contractor Notice to Procee	
PS10590	Construction - PS#0416	300	20-Jul-17 A	16-Feb-19	EPA Start Date for Const	Construction - PS#0416
PS723030	Commissioning - PS#0416	60	19-Dec-18 A	16-Feb-19		Commissioning - PS#0416
PS10780	Substantial Completion (CD Compliance Date 6/13/19) - PS#0416	0		16-Feb-19*		♦ Substantial Completion (CD Compliance Date 6/13/19) - PS#0416
PS40810	Project Closeout - PS#0416	60	17-Feb-19	17-Apr-19*		Project Closeout - PS#0416
PS51050	EPA Compliance Date for Construction - PS#0416	0		13-Jun-19*		
Project Administration		1255	06-Feb-15 A	17-Apr-19		
PS35310	WASD Project Administration - PS#0416	1255	06-Feb-15 A	17-Apr-19		WASD Project Administration - PS#0416 25-Jul-20, 5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#04
•	of Switchgear and Rehabilitation of Wetwell PS#0417		10-Aug-14 A	25-Jul-20	Nan I	
Pre-Design PS20270	Pre-Design - PS#0417		30-Sep-14 A 30-Sep-14 A	05-Feb-15 A 05-Feb-15 A	sign	
Engineering Design		601	07-Oct-14 A	30-May-16 A	.7. 30-May-16 A, Engineering Design	
PS51780	EPA Start Date for Engineering Design - PS#0417**	0	07-Oct-14 A		ng Design - PS#0417**	
PS30670	Basis of Design Report (BODR) - PS#0417	130	06-Feb-15 A	15-Jun-15 A	sign Report (BODR) - PS#0417	
PS30680	BODR Review Period - PS#0417	120	16-Jun-15 A	13-Oct-15 A	DR Review Period - PS#0417	
PS31280	Negotiate Scope & Fee of Remaining Design - PS#0417	147	23-Jul-15 A	16-Dec-15 A	Negetiate Scope & Fee of Remaining Design - PS#0417	
PS30690	30% Design Submittal - PS#0417	76	14-Oct-15 A	28-Dec-15 A	30% Design Submittal - PS#0417	
PS30700	30% Design Review - PS#0417	15	29-Dec-15 A	12-Jan-16 A	30% Design Review - PS#0417	
PS30710	60% Design Submittal - PS#0417	46	13-Jan-16 A	27-Feb-16 A	60% Design Submittal - PS#0417	
PS30720	60% Design Review - PS#0417	13	28-Feb-16 A	11-Mar-16 A	60% Design Review - PS#0417	
PS51060	EPA Compliance Date for Engineering Design - PS#0417**	0		16-Apr-16 A	▲ EPA Compliance Date for Engineering Design - PS#0417*	* I I I I I I I I I I I I I I I I I I I
PS10130	Engineering Design - PS#0417	480	06-Feb-15 A	30-May-16 A	Engineering Design - PS#0417	
PS30730	100% Design Submittal - PS#0417	78	14-Mar-16 A	30-May-16 A	100% Design Submittal - PS#0417. ▼ 01-Aug-17 A, Permitting	
Permitting PS51790	EPA Start Date for Permitting - PS#0417**	1087 0	10-Aug-14 A 10-Aug-14 A	01-Aug-17 A		
PS50020	DERM Permit Submittal - PS#0417		31-May-16 A		S#0417**	
PS50030	Derm Permit Submittal Review - PS#0417		01-Jun-16 A	14-Jun-16 A	DERM Permit Submittal - PS#0417	
PS50070	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0417		15-Jun-16 A	01-Sep-16 A	Derm Permit Submittal Review - PS#0417	
PS50000	Bldg. Dept. Permit Submittal - PS#0417		29-Sep-16 A		A/E Prepares/Submits Responses to DERM Perr	mit Supmittal - PS#0417
PS50100	DERM Permit Approval - PS#0417		02-Sep-16 A	17-Nov-16 A	 Bldg. Dept. Permit Submittat - PS#0417 DERM Permit Approval - PS#0417 	
PS50010	Bldg. Dept. Permit Submittal Review - PS#0417	53	29-Sep-16 A	20-Nov-16 A	Bldg. Dept. Permit Submittal Review + PS#(0/17
PS50060	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0417	146	21-Nov-16 A	15-Apr-17 A	I I I I I I I I I I I I I I I I I	s to Bldg. Dept. Permit Submittal - PS#0417
PS51070	EPA Compliance Date for Permitting - PS#0417**	0		31-Jul-17 A	♦ EPA Compliance Date for	
PS10290	Permitting - PS#0417	429	30-May-16 A	01-Aug-17 A	Permitting - PS#0417	
PS50090	Bldg. Dept. Permit Approval - PS#0417	108	16-Apr-17 A	01-Aug-17 A	Bldg, Dept. Permit Approv 25-Jan-18 A, I	el-PS#0417
Procurement		451	09-Dec-16 A	25-Jan-18 A	▼ 25-Jan-18 A, F	Procurement
PS32560	Design Documents Sent to Procurement - PS#0417	0	09-Dec-16 A		Design Documents Sent to Procurement -	-PS#0 <mark>4</mark> 17
PS51800	EPA Start Date for Procurement - PS#0417		01-Feb-17 A		EPA Start Date for Procurement - PS#	0417
PS32570	Submit/Approve SBD Goals and Request to Advertise - PS#0417	195	09-Dec-16 A	21-Jun-17 A	Submit/Approve SBD Goals a	and Request to Advertise - PS#0417
PS32580 PS32590	Advertise Bid Package - PS#0417 Bid Solicitation Period - PS#0417		22-Jun-17 A 22-Jun-17 A	23-Aug-17 A	Advertise Bid Package - PS#	
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PS51080	EPA Compliance Date for Procurement - PS#0417	0		30-Sep-17 A	◆ Bids Due - PS#0417	
PS32610	Bid Review Period - PS#0417	Ŭ	24-Aug-17 A	28-Dec-17 A		of Procurement - PS#0417
PS32620	Award Recommendation - PS#0417	0		28-Dec-17 A	Bid Review Perio	
PS10460	Procurement - PS#0417	326	09-Dec-16 A	25-Jan-18 A	Award Recomm	nendation - PS#0417 - PS#0417
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PS51810	EPA Start Date for Construction - PS#0417**		01-Oct-17 A		◆ EPA Start Date for Co	instruction - PS#0417**
PS32640	Contractor Notice to Proceed (NTP) - PS#0417	0	12-Feb-18 A			otice to Proceed (NTP) - PS#0417
PS10660	Construction - PS#0417	420	12-Feb-18 A	08-Apr-19		Construction - PS#0417
PS723040	Commissioning - PS#0417	60	08-Feb-19	08-Apr-19		Commissioning - PS#0417
PS10880	Substantial Completion (CD Compliance Date 7/25/20) - PS#0417	0		08-Apr-19*		◆ Substantial Completion (CD Compliance Date 7/25/20) - P\$#0417
PS40820	Project Closeout - PS#0417	60	09-Apr-19	07-Jun-19*		Project Closeout - PS#0417
PS51090	EPA Compliance Date for Construction - PS#0417	0		25-Jul-20*		EPA Compliance Date for Construction - PS#0417.
Project Administration		1478	06-Feb-15 A	07-Jun-19		V/-JUN-19, Project Administration
PS35300	WASD Project Administration - PS#0417	1478	06-Feb-15 A	07-Jun-19		WASD Project Administration - PS#0417 ✓ 27-Jan-19, 5.08 Replacement of Electrical and Mechanical Equipment in PS#0107
	of Electrical and Mechanical Equipment in PS#0107	1632	10-Aug-14 A	27-Jan-19	Pro Desire	
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PS20470	Pre-Design - PS#0107	64 703	06-Apr-15 A	08-Jun-15 A 09-Sep-16 A	PS#0107	·····
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PS30760	30% Design Submittal - PS#0107		08-Jun-15 A	03-Jul-15 A	ng Design -:PS#0107** n Submittal - PS#0107	

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PS51100	EPA Compliance Date for Engineering Design - PS#0107	0	09-Sep-16 A	♦ EPA Compliance Date for Engineering Design - PS#0107. 08-Mar-17 A. Permiting
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PS33050	Advertise Bid Package - PS#0107	0 25-Apr-16 A		Advertise Bid Package - P\$#0107
PS33060	Bid Solicitation Period - PS#0107	43 25-Apr-16 A	06-Jun-16 A	Bid Splicitation Period - PS#0107
PS33070	Bids Due - PS#0107	0 07-Jun-16 A		▲ Bids Due - PS#0107
PS33080	Bid Review Period - PS#0107	15 07-Jun-16 A	21-Jun-16 A	Bid Review Period - PS#0107
PS33090	Award Recommendation - PS#0107	0	29-Jul-16 A	Award Recommendation - PS#0107
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PS33100	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0107	46 30-Jul-16 A	13-Sep-16 A	Final Approvals (BCC, Mayor, Risk Mont.) - PS#0107
PS51530	P.O. Issued - PS#0107	0	13-Sep-16 A	◆ P.O. Issued - PS#0107
PS51840	EPA Start Date for Procurement - PS#0107	0 09-Mar-17 A		● EPA Start Date for Procurement - P\$#0107
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PS33110	Contractor Notice to Proceed (NTP) - PS#0107	0 03-Nov-16 A		Contractor Notice to Proceed (NTP) - PS#0107
PS51850	EPA Start Date for Construction - PS#0107	0 04-Dec-17 A		
PS10680	Construction - PS#0107	352 03-Nov-16 A	03-Feb-18 A	Construction -PS#0107
PS10890	Substantial Completion (CD Compliance Date 1/27/19) - PS#0107	0	03-Feb-18 A	◆ Substantial Completion (CD Compliance Date 1/27/19) - PS#0107
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PS41660 PS51870 PS51270 PS72780 PS72620 PS723760 PS723770 PS10220 PS72790 PS72800 Procurement PS32650 PS32650 PS32660 PS32670 PS32680	Municipality Bldg. Dept. Permit Approval - PS#0301 EPA Start Date for Permitting - PS#0301 Construction EPA Compliance Date for Permitting - PS#0301 Construction Site Plan Approval for Revised Drawings - PS#0301 Construction DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction Wetland Delineation Permit - PS#0301 Construction Tree Permit - PS#0301 Construction Permitting for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env Permit for Revised Drawings - PS#0301 Construction City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction Design Documents Sent to Procurement - PS#0301 Submit/Approve SBD Goals and Request to Advertise - PS#0301 Advertise Bid Package - PS#0301 Bid Solicitation Period - PS#0301	8 29-Sep-16 A 0 01-Nov-17 A 0 0 60 04-Jun-18 A 60 10-Aug-18 A 30 07-Nov-18 A 30 07-Nov-18 A 117 10-Aug-18 A 60 10-Jan-19* 60 10-Jan-19 1016 08-Dec-16 A 105 08-Dec-16 A 105 23-Mar-17 A 35 23-Mar-17 A	29-Apr-18 A 21-Jun-18 A 14-Jan-19 14-Jan-19 10-Mar-19 10-Mar-19 10-Mar-19 10-Mar-19 22-Mar-17 A	Municipality Bldg. Dept. Permit Approval - PS#0301
PS41660 PS51870 PS51270 PS72780 PS72620 PS723760 PS723770 PS10220 PS72790 PS72800 Procurement PS32650 PS32660 PS32670 PS32680 PS32680 PS32680 PS32680 PS32690	Municipality Bldg. Dept. Permit Approval - PS#0301 EPA Start Date for Permitting - PS#0301 Construction EPA Compliance Date for Permitting - PS#0301 Construction Site Plan Approval for Revised Drawings - PS#0301 Construction DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction Wetland Delineation Permit - PS#0301 Construction Tree Permit - PS#0301 Construction Permitting for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env Permit for Revised Drawings - PS#0301 Construction City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction Design Documents Sent to Procurement - PS#0301 Submit/Approve SBD Goals and Request to Advertise - PS#0301 Advertise Bid Package - PS#0301 Bid Solicitation Period - PS#0301 Bids Due - PS#0301	8 29-Sep-16 A 0 01-Nov-17 A 0 0 60 04-Jun-18 A 60 04-Jun-18 A 30 07-Nov-18 A 30 07-Nov-18 A 117 10-Aug-18 A 60 10-Jan-19* 60 10-Jan-19 1016 08-Dec-16 A 00 23-Mar-17 A 35 23-Mar-17 A 0 27-Apr-17 A	29-Apr-18 A 21-Jun-18 A 14-Jan-19 14-Jan-19 10-Mar-19 10-Mar-19 10-Mar-19 10-Mar-19 22-Mar-17 A 22-Mar-17 A	Municipality Bldg. Dept. Permit Approval - PS#0301
PS41660 PS51870 PS51870 PS51270 PS72780 PS72620 PS723760 PS723770 PS10220 PS72790 PS72800 PS32650 PS32650 PS32660 PS32670 PS32680 PS32680 PS32690 PS32700	Municipality Bldg. Dept. Permit Approval - PS#0301 EPA Start Date for Permitting - PS#0301 Construction EPA Compliance Date for Permitting - PS#0301 Construction Site Plan Approval for Revised Drawings - PS#0301 Construction DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction Wetland Delineation Permit - PS#0301 Construction Tree Permit - PS#0301 Construction Permitting for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env Permit for Revised Drawings - PS#0301 Construction City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction Design Documents Sent to Procurement - PS#0301 Submit/Approve SBD Goals and Request to Advertise - PS#0301 Advertise Bid Package - PS#0301 Bid Solicitation Period - PS#0301 Bid Review Period - PS#0301	8 29-Sep-16 A 0 01-Nov-17 A 0 0 60 04-Jun-18 A 60 04-Jun-18 A 30 07-Nov-18 A 30 07-Nov-18 A 117 10-Aug-18 A 60 10-Jan-19* 60 10-Jan-19 1016 08-Dec-16 A 00 23-Mar-17 A 35 23-Mar-17 A 0 27-Apr-17 A	29-Apr-18 A 21-Jun-18 A 14-Jan-19 14-Jan-19 10-Mar-19 10-Mar-19 10-Mar-19 10-Mar-19 22-Mar-17 A 22-Mar-17 A 226-Apr-17 A 28-Jul-17 A	 Muniépality Bldg. Dept. Permit Approval - PS#0.301 EPA Start Date for Permitting - PS#0301 Construction EPA Compliance Daje for Permitting - PS#0301 Construction Site Plan Approval for Revised Drawings - PS#0301 Construction Site Plan Approval for Revised Drawings - PS#0301 Construction Wettand Denemit - PS#0301 Construction Wettand Denemit - PS#0301 Construction Permitting for Revised Drawings - PS#0301 Construction Permitting for Revised Drawings - PS#0301 Construction Permitting for Revised Drawings - PS#0301 Construction Permitting for Revised Drawings - PS#0301 Construction City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction Submit/Approve SBD Goals and Request to Advertise - PS#0301 Bid Solicitation Period - PS#0301 Bid Solicitation Period - PS#0301 Bid Review Period - PS#0301 Step - PS#0301 Step - PS#0301 Step - PS#0301
PS41660 PS51870 PS51270 PS72780 PS72620 PS723760 PS723770 PS10220 PS72790 PS72800 Procurement PS32650 PS32660 PS32660 PS32680 PS32690 PS32700 PS32710	Municipality Bldg. Dept. Permit Approval - PS#0301 EPA Start Date for Permitting - PS#0301 Construction EPA Compliance Date for Permitting - PS#0301 Construction Site Plan Approval for Revised Drawings - PS#0301 Construction DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction Wetland Delineation Permit - PS#0301 Construction Tree Permit - PS#0301 Construction Permiting for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env Permit for Revised Drawings - PS#0301 Construction City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction Design Documents Sent to Procurement - PS#0301 Submit/Approve SBD Goals and Request to Advertise - PS#0301 Advertise Bid Package - PS#0301 Bid Solicitation Period - PS#0301 Bid Review Period - PS#0301 Scope Change Letter sent to EPA - PS#0301	8 29-Sep-16 A 0 01-Nov-17 A 0 0 60 04-Jun-18 A 60 10-Aug-18 A 30 07-Nov-18 A 30 07-Nov-18 A 117 10-Aug-18 A 60 10-Jan-19* 60 10-Jan-19 1016 08-Dec-16 A 00 23-Mar-17 A 35 23-Mar-17 A 0 27-Apr-17 A 93 27-Apr-17 A 0 0	29-Apr-18 A 21-Jun-18 A 14-Jan-19 14-Jan-19 10-Mar-19 10-Mar-19 10-Mar-19 10-Mar-19 22-Mar-17 A 22-Mar-17 A 226-Apr-17 A 28-Jul-17 A	Municipality Bldg. Dept. Permit Approval - PS#0301 EPA Start Date for Permitting - PS#0301 Construction EPA Compliance Daje for Permitting - PS#0301 Construction EPA Compliance Daje for Permit approval for Revised Drawings - PS#0301 Construction DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction Wettand Delineation Permit - PS#0301 Construction Wettand Delineation Permit - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction Bid Soliditation Period - PS#0301 Bid Soliditation Period - PS#0301 Bid Review Period - PS#0301 Bid Review Period - PS#0301 Bid Review Period - PS#0301

	Pree Schedule - December 2018 Update	Original				13:16 - Page No. 63
D	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 Q1 Q2 Q3 Q4 Q1	2023 Q1 Q2 Q3 Q4
PS72830	Submit/Approve SBD Goals and Request to Advertise - PS#0301 Construction	38	11-Mar-19	17-Apr-19	Submit/Approve SBD/Goals and Request to Advertise - PS#0301 Construction	
PS32720	Advertise Bid Package - PS#0301 Construction	0	18-Apr-19		♦ Advertise Bid Package - PS#0301 Construction	
PS72840	Bid Solicitation Period - PS#0301 Construction	36	18-Apr-19	23-May-19	Bid Solicitatión Períod - PS#0301 Construction	
PS72850	Bids Due - PS#0301 Construction	0	24-May-19		◆ Bids Due - PS#0301 Construction	
PS72860	Bid Review Period - PS#0301 Construction	29	24-May-19	21-Jun-19	Bid Review Period - PS#0301 Construction	
PS72870	Award Recommendation - PS#0301 Construction	0		21-Jun-19	▲ Award Recommendation - P\$#030/1 Construction	
PS72600	Procurement of Revised Scope - PS#0301 Construction	193	11-Mar-19	19-Sep-19	Procurement of Revised Scope - P\$#0301 Construction	
PS72880	Final Approval - PS#0301 Construction	90	22-Jun-19	19-Sep-19	Final Approval - PS#0301 Construction	
Construction		1182	27-Oct-18 A	24-Jan-22	24.Jan-22, Construct	tion
PS51890	EPA Start Date for Construction - PS#0301 Construction	0	27-Oct-18 A		◆ EPA Start Date for Construction PS#0301 Construction	
PS32730	Contractor Notice to Proceed (NTP) - PS#0301 Construction	0	20-Sep-19			
PS72590	Construction of New PS - PS#0301 Construction	600	20-Sep-19	11-May-21	Construction of New Constr	PS - PS#0301 Construction
PS723050	Commissioning - PS#0301 Construction	60	13-Mar-21	11-May-21	📛 Çommişsioning - P\$#030/1 Constructio	on
PS10790	Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction	0		11-May-21*	🔶 Šubstantial Completion of New PS (C	D Compliance Date 1/24/2
PS40840	Project Closeout - PS#0301 Construction	60	12-May-21	10-Jul-21*	Project Obseout - PS#0301 Const	truction
PS51290	EPA Compliance Date for Construction - PS#0301 Construction	0		24-Jan-22*	● EPA Compliance Dat ▼ 10-Jul-21, Project Administration	te for Construction - PS#0
Project Administration	WAOD Desired Administration DO//0004 Operatorstice	2223	24-Nov-14 A	10-Jul-21		
PS35280	WASD Project Administration - PS#0301 Construction	2223	24-Nov-14 A	10-Jul-21	. WASD Project Administration - PS	#0301 Construction
10 Upgrade of PS	#U400	1332	07-Oct-14 A	09-May-18 A	-Design	+
Pre-Design	Pro Docian _ Lingrado DS#0498	152 153	01-Nov-14 A	02-Apr-15 A	┫ 著 ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	
PS30980	Pre-Design - Upgrade PS#0488		01-Nov-14 A	02-Apr-15 A	rade PS#0488. 15 A, Engineering/Design	+
ngineering Design PS51900	EPA Start Date for Engineering Design - Upgrade PS#0488**	298	07-Oct-14 A 07-Oct-14 A	01-Aug-15 A		
PS51900 PS51250	EPA Statt Date for Engineering Design - Opgrade PS#0488**	0	07 00-14A	13-May-15 A	ng Design -Upgrade PS#0488**	
PS31250 PS31320	30% Design Submittal - Upgrade PS#0488	67	03-Apr-15 A	08-Jun-15 A	ce Date for Engineering Design - Upgrade PS#0488**	
PS31320	30% Design Review -Upgrade PS#0488	14	03-Apr-15 A 09-Jun-15 A	22-Jun-15 A	Submittal - Upgrade PS#0488	
	60% Design Submittal - Upgrade PS#0488	24	23-Jun-15 A	16-Jul-15 A	h Review -Upgrade PS#0488	
PS30950		24	17-Jul-15 A	23-Jul-15 A	n Submittal - Upgrade PS#0488	
PS30960 PS30970	60% Design Review -Upgrade PS#0488	7	24-Jul-15 A		Ign Review Hupgrade PS#0488	
PS10090	100% Design Submittal - Upgrade PS#0488	9		01-Aug-15 A	Isign Submittal - Upgrade PS#0488	
	Engineering Design - Upgrade PS#0488	120 401	03-Apr-15 A 14-May-15 A	01-Aug-15 A 18-Jun-16 A	ting Design - Upgrade PS#0488	·····
ermitting PS51910	EPA Start Date for Permitting - Upgrade PS#0488**	401	14-May-15 A	To-Juli-TO A		
PS10240	Permitting - Upgrade PS#0488	93	17-Aug-15 A	17-Nov-15 A	e for Permitting - Upgrade PS#0488** Permitting - Upgrade PS#0488	
PS51240	EPA Compliance Date for Permitting - Upgrade PS#0488	0	TT-Aug-15 A	18-Jun-16 A	1	
Procurement		646	08-Jun-15 A	15-Mar-17 A	♦ EPA Compliance Date for Permitting Upgrade PS#0488	÷
PS51920	EPA Start Date for Procurement - Upgrade PS#0488**	0+0	08-Jun-15 A	13-144-1774		
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	
PS32220	Advertise Bid Package - Upgrade PS#0488	0	18-Jan-16 A	in our rorr	Submit/Approve SBD Goals and Request to Advertise - Updrade PS#0488	
PS32230	Bid Solicitation Period - Upgrade PS#0488	31	18-Jan-16 A	17-Feb-16 A	Advertise Bid Package - Upprade PS#0488	
PS32240	Bids Due - Upgrade PS#0488	0	18-Feb-16 A		Bid Solicitation Period - Upgrade PS#0488	
PS32250	Bid Review Period - Upgrade PS#0488	15	18-Feb-16 A	03-Mar-16 A	♦ Bids Due - Upgrade PS#0488	
PS32260	Award Recommendation - Upgrade PS#0488	0	10100 1071	03-Mar-16 A	Bid Review Period - Upgrade PS#0488	
PS10410	Procurement - Upgrade PS#0488	153	18-Nov-15 A	18-Apr-16 A	Award Recommendation - Upgrade PS#0488 Procurement - Upgrade PS#0488	
PS32270	Final Approvals - Upgrade PS#0488	46	04-Mar-16 A	18-Apr-16 A	<u>↑ </u>	
°S41690	P.O. Issued - Upgrade PS#0488		0410181-1074	18-Apr-16 A	Final Approvals - Upgrade PS#0488	
PS51230	EPA Compliance Date for Procurement - Upgrade PS#0488	0		15-Mar-17 A	P.O. Issued - Upgrade PS#0488	
onstruction		758	03-May-16 A	09-May-18 A	♦ EPA Compliance Date for Procurement - Upgrade PS#0488.	++
PS10595	Contractor Notice to Proceed (NTP) - Upgrade PS#0488	0	03-May-16 A	00-Ividy-TO A	┫	
PS10600	Construction - Upgrade PS#0488	220	03-May-16 A	08-Dec-16 A	♦ Contractor Nofice to Proceed (NTP) - Upgrade PS#0488 Construction Upgrade PS#0488	
S10800	Substantial Completion (CD Compliance Date 5/09/18) - Upgrade PS#0488	0	.,	08-Dec-16 A		
PS51930	EPA Start Date for Construction - Upgrade PS#0488	0	16-Mar-17 A		 Substantial Completion (CD Compliance Date 5/09/18) - Upgrade PS#0488 EDA Start Date for Completentian - Lineard - DS#0488 	
°S40850	Project Closeout - Upgrade PS#0488	305	09-Dec-16 A	26-Aug-17 A		
°S51220	EPA Compliance Date for Construction - Upgrade PS#0488	0		09-May-18 A	Project Closeout - Upgrable PS#0488	
oject Administration		921	03-Apr-15 A	26-Aug-17 A	 EPA Compliance Date for Construction - Upgrade PS#0488. 26-Aug-17 A, Project Administration 	
PS35270	WASD Project Administration - Upgrade PS#0488	921	03-Apr-15 A	26-Aug-17 A	4	
1 Installation of 4	18 inch FM from Kendall Dr. to the Suction Side of PS#0536	1690	07-Oct-14 A	23-May-19	WASD Project Administration - Upgrade. PS#0488 23-May-19, 5-11 Installation of 48 inch FM from Kendall Dr. to the Suction Side of PS	#0536
re-Design		136	31-Jul-15 A	14-Dec-15 A	14-Dec-15 A, Pre-Design	
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	Negatista Balanch of Design Scond & End (HDD), Install 60" EM from Mandel Pr. to DS#0526	
ngineering Design		647	07-Oct-14 A	15-Jul-16 A	Negatiate Balance of Design Scope & Fee (HDR) - Install 60' FM from Kendal Dr. to PS#0536	
PS51940	EPA Start Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0	07-Oct-14 A		ng Design -iInstall/60" FM from Kendal Dr. to PS#0536**	
PS51210	EPA Compliance Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0		13-May-15 A	ice Date for Engineering Design - Install 60" FM from Kendal Dr to PS#0336**	
S20170	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) - Install 60" FM from Kendal Dr. to PS#0536	
S20210	60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	133	16-Dec-15 A	26-Apr-16 A	60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0336	
PS31340	60% Design Review - Install 60" FM from Kendal Dr. to PS#0536	7	27-Apr-16 A	03-May-16 A	60% Design Review - Install 60" FM from Kendal Dr. to PS#0536	
S10060	Engineering Design - Install 60" FM from Kendal Dr. to PS#0536	524	17-Dec-14 A	23-May-16 A	Engineering Design - Install 60" FM from Kendal Dr. to PS#0536	
PS20230	90% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	73	04-May-16 A	15-Jul-16 A		
ermitting		687	14-May-15 A	31-Mar-17 A	90% Design Submittal - Install 60" FM from Kendal Dr. to. FS#0 536 31-Mar-17 A, Permitting	
PS51950	EPA Start Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536**	0	14-May-15 A		e for Permitting - Install 60" FM from Kendál Dr. tó PS#0536**	
PS10210	Permitting - Install 60" FM from Kendal Dr. to PS#0536	178	31-Aug-16 A	24-Feb-17 A	Permitting - Install 60" FM from Rendal Dr. to PS#0536	
PS51200	EPA Compliance Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536	0	U • •	31-Mar-17 A	1 	
Procurement		816	08-Jun-15 A	31-Aug-17 A	◆ EPA Compliance Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536 ✓ 31-Aug-17 A, Procurement	
PS51960	EPA Start Date for Procurement - Install 60"FM from Kendal Dr. to PS#0536**	0	08-Jun-15 A		ate for Denomenate install 60" EM from King del'De to DC#0E26**	
		-			ate for Procurement - Install 60" FM from Kendal Dr. to PS#0536**	

D Consent Dec	ree Schedule - December 2018 Update	l Odinina II		ard Layout w E			2017		0040	1	0000		2004		15-Jan-19 13		0
	Activity Name	Original Duration	Start	Finish			2017 2018 2 Q3 Q4 Q1 Q2		2019	3 04 01	2020	04 01	2021	3 04 01 0	2022	2023	
572040	Internal Bid Package Review - Install 60" FM from Kendal Dr. to PS#0536	4	03-Apr-17 A	06-Apr-17 A									Q2 Q4		x2 Q3 Q4 Q		23 04
533120	Design Documents Sent to Procurement - Install 60" FM from Kendal Dr. to PS#0536		07-Apr-17 A			î	nternal Bid Package Review -				10 H						
33130	Submit/Approve SBD Goals and Request to Advertise - hstall 60" FM from Kendal Dr. to PS#0536		07-Apr-17 A	23-Apr-17 A			Design Documents Sent to Pr			- i - i		i i					
333140	Advertise Bid Package - Install 60" FM from Kendal Dr. to P \$#0536		24-Apr-17 A	20-00-07			Submit/Approve SBD Goals				from Kendal	Dr. to PS#0	536				
33150			•	14-Jun-17 A	-	1 I I I I I I I I I I I I I I I I I I I	Advertise Bid Package - Insta										
	Bid Solicitation Period - Install 60" FM from Kendal Dr. to PS#0536		24-Apr-17 A	14-Jun-17 A	-		Bid Solicitation Period - In	stall 60" Fl	1 from Kendal [0r. to PS#0536	6						
533160	Bids Due - Install 60" FM from Kendal Dr. to PS#0536		15-Jun-17 A				Bids Due - Install 60" FM	from Kende	al Dr. to PS#053	86							
533170	Bid Review Period - Install 60" FM from Kendal Dr. to PS#0536	37	15-Jun-17 A	21-Jul-17 A			Bid Review Period - Ins	tall 60" FM	from Kendal Dr	to PS#0536							
S33180	Award Recommendation - Install 60" FM from Kendal Dr. to PS#0536	0		21-Jul-17 A			Award Recommendation	on - İnstall 6	0" FM from Ke	ndal Dr. to PS	#0536						
S33190	Final Approvals (BCC, Mayor, Risk Mgmt.) - Install 60" FM from Kendal Dr. to PS#0536	69	22-Jun-17 A	29-Aug-17 A			Final Approvals (BCC	C, Mayor, Ri	sk Mgmt.) - Ins	all 60" FM froi	m Kendal Dr.	to PS#0536	8				
S10380	Procurement - Install 60" FM from Kendal Dr. to PS#0536	188	24-Feb-17 A	30-Aug-17 A			Procurement - Instal	ll 60 ^{rl} FM fro	m Kendal Dr. te	PS#0536							
651190	EPA Compliance Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536	0		31-Aug-17 A				te for Proc	iroment - Instal	60" FM from	Kendal Dr. to	PS#0536	1				
nstruction		856	18-Jan-17 A	23-May-19			EPA Compliance Da		23-1	Aay-19, Const	ruction	0.000000					
S51970	EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536**	0	18-Jan-17 A			FPA S	tart Date for Construction - In	stall 60" FN	I from Kendal F	r to PS#0536	**						
S33200	Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536	0	30-Aug-17 A				 Contractor Notice to 	- i -	i i i	- i - i i	-i - i	#0F26					
S10570	Construction - Install 60" FM from Kendal Dr. to PS#0536	261	30-Aug-17 A	22-Feb-19				FIOÇEEU (N		struction - Insta			to PS#0	536			
S723060	Commissioning - Install 60" FM from Kendal Dr. to PS#0536		24-Jan-19	22-Feb-19													
S10810	Substantial Completion (CD Compliance Date 5/18/19) - Install 60" FM from Kendal Dr. to P S#0536	0	21001110	22-Feb-19*					Commissi	i i		i i	i i				
S51180	EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to PS#0536	0		18-May-19*	-						1 1		1 1		Kendal Dr. to PS#0)536	
	•	0	00 E-1 40						◆ EPA	Compliance I	Date for Cons	truction - Ins	s‡all60¦'FN	/l from Kendal Dr.	to PS#0536		
540860	Project Closeout - Install 60" FM from Kendal Dr. to PS#0536		23-Feb-19	23-May-19*		<u></u>	<u></u>		Proj	ect Closeout - lay-19, Projec	Install 60" FN	from Kend	lại.Dr. to P	S#0536			
ject Administration			17-Dec-14 A	23-May-19					▼ ∠3-1	nay-19, FIUJE	nunninistidt	011					
35260	WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536		17-Dec-14 A	23-May-19					WA	SD ProjectAd	ministration -	Install 60" F	M from Ke	ndal.Drto.P.S#0. 7	536		
Replacement of	of Switchgear at PS#0187	1632	07-Oct-14 A	26-Mar-19					26-Mar-	19, 5.12 Rep	acement of S	witchgear	ມ ⊢S#018	/			
-Design		118	29-Oct-14 A	24-Feb-15 A	esign												
S20480	Pre-Design - Replace S/G at PS#0187	119	29-Oct-14 A	24-Feb-15 A	e S/G at P	S#0187											
gineering Design		414	07-Oct-14 A	25-Nov-15 A	5-Nov-15 A	\$#0187 Engineering Design											
\$51980	EPA Start Date for Engineering Design - Replace S/G at PS#0187**	0	07-Oct-14 A			Replace S/G at PS#0	187**										
530880	Preliminary Engineering Report (PER) - Replace S/G at PS#0187	42	24-Feb-15 A	07-Apr-15 A		port (PER) - Replace S/											
530890	PER Review Period - Replace S/G at PS#0187		08-Apr-15 A	04-May-15 A			G dl PO#U18/										
S51170	EPA Compliance Date for Engineering Design - Replace S/G at PS#0187**	0		13-May-15 A		lace S/G at PS#0187											
532190		57 (30-Jun-15 A	ice Date for	r Engineering Design -	Replace S/G at PS#0187**										
	Negotiate Balance of Design - Replace S/G at PS#0187		05-May-15 A			Design - Replace S/G a							1				
\$31300	30% Design Submittal - Replace S/G at PS#0187		01-Jul-15 A	28-Aug-15 A	esign Subn	nittal - Replace S/G at I	PS#0187						1				
531310	30% Design Review - Replace S/G at PS#0187		31-Aug-15 A	12-Sep-15 A	Design Revi	ew - Replace S/G at P	S#0187										
\$30920	60% Design Submittal - Replace S/G at PS#0187	33	14-Sep-15 A	16-Oct-15 A	6 Design St	ubmittal - Replace S/G	at PS#0187										
S30930	60% Design Review - Replace S/G at PS#0187	10	17-Oct-15 A	26-Oct-15 A		eview - Replace S/G a											
S10050	Engineering Design - Replace S/G at PS#0187	275	24-Feb-15 A	25-Nov-15 A		Design - Replace S/G							1				
S30940	100% Design Submittal - Replace S/G at PS#0187	30	27-Oct-15 A	25-Nov-15 A													
mitting			14-May-15 A	10-Aug-16 A	.00% Desig	n Submittal - Replace	S/G at PS#0187						+				
S51990	EPA Start Date for Permitting - Replace S/G at PS#0187**		14-May-15A	10-Aug-10 A			0										
S41670	DERM Permit - Replace S/G at PS#0187		24-Nov-15 A	22-Dec-15 A		tting - Replace S/G at I							1				
S51160	· ·		2411071071	23-May-16 A	DERM Pe	rmit - Replace S/G at F	'S#0187										
	EPA Compliance Date for Permitting - Replace S/G at PS#0187**	0	04 No. 45 A	•		EPA Compliance Date	for Permitting - Replace S/G	at PS#018	7**								
S10200	Permitting - Replace S/G at PS#0187		24-Nov-15 A	29-Jul-16 A	-	Permitting - Repla	ce S/G at PS#0187						1				
S41680	RER Bldg. Dept Permit - Replace S/G at PS#0187		31-Mar-16 A	10-Aug-16 A	i	RER Bldg. Dept.	Permit - Replace S/G at PS#0 03-Nov-17 A, Pr	0187 [']			ļļ		ļļ				
curement			08-Jun-15 A	03-Nov-17 A			03-NOV-17 A, Pr	ocurement									
671590	EPA Start Date for Procurement - Replace S/G at PS#0187**		08-Jun-15 A		ate for Proc	curement - Replace S/C	G at PS#0187**						1				
\$50670	Initiate Procurement - PS#0187	0 2	23-May-16 A		•	Initiate Procurement - I	PS#0187										
633210	Design Documents Sent to Procurement - PS#0187	0	26-Jul-16 A				s Sent to Procurement - PS#	0187									
635040	Pre-Purchase Bid Package (Plug Valves) - PS#0187	140	10-Jun-16 A	27-Oct-16 A		1 1 1 1	e Bid Package (Plug Valves)	1									
672050	Pre-Purchase Bid Package (Pumps) - PS#0187	140	10-Jun-16 A	27-Oct-16 A	1 : 3		e Bid Package (Pund valves) e Bid Package (Pumps) - PS										
572110	Pre-Purchase Bid Package (Ball Control Valves) - PS#0187		10-Jun-16 A	27-Oct-16 A	1				#0107								
35050	Advertise Pre-Purchase (Plug Valves) - PS#0187		28-Oct-16 A	-	1 1	1. 1. 1. 1. 1.	e Bid Package (Ball Control	1.1	#UIQ/								
\$72060	Advertise Bid Package (Pumps) - PS#0187		28-Oct-16 A		1		e-Purchase (Plug Valves) - P										
572000 572120	Advertise Bid Package (Ball Control Valves) - PS#0187		28-Oct-16 A			1 1 1 1	d Package (Pumps) - PS#01										
				20 Nov 40 A	1		d Package (Ball Control Valve	- i -	i i								
333220	Submit/Approve SBD Goals and Request to Advertise - PS#0187		26-Jul-16 A	20-Nov-16 A		Submit/Ap	prove SBD Goals and Reque	est to Adve	tise - PS#0187								
\$33230	Advertise Bid Package - PS#0187		21-Nov-16 A			 Advertise I 	Bid Package - PS#0187										
35060	VendorBid & Award (Plug Valves) - PS#0187		28-Oct-16 A	29-Nov-16 A		🗖 Vendor B	id & Award (Plug Valves) - PS	#0187									
\$35070	VendorNTP (Plug Valves) - PS#0187	0		29-Nov-16 A		♦ Vendor N	TP (Plug Valves) - PS#0187										
672130	Vendor Bid & Award (Ball Control Valves) - PS#0187	64	28-Oct-16 A	30-Dec-16 A		1 1 1 1	Bid & Award (Ball Control Va	ves) - PS#r)187								
672140	VendorNTP (Ball Control Valves) - PS#0187	0		30-Dec-16 A			NTP (Ball Control Valves) - P	- i -									
33240	Bid Solicitation Period - PS#0187	45	21-Nov-16 A	04-Jan-17 A	1		icitation Period - PS#0187										
33250	Bids Due - PS#0187		05-Jan-17 A		1 1												
572070	Vendor Bid & Award (Pumps) - PS#0187		28-Oct-16 A	11-Jan-17 A	1		Je - PS#0187	0407									
572080	VendorNTP (Pumps) - PS#0187	0		11-Jan-17 A		1 1 1 1	r Bid & Award (Pumps) - PS#	0187									
572080 533260	Bid Review Period - PS#0187	25	05-Jan-17 A	08-Feb-17 A			rNTP (Pumps) - PS#0187										
		35	oo-odii-17 A			🗖 Bid F	Review Period - PS#0187										
33270	Award Recommendation - PS#0187	0		08-Feb-17 A			rd Recommendation - PS#01										
510370	Procurement - Replace S/G at PS#0187		23-May-16 A	21-Feb-17 A		P	rocurement - Replace S/G at	: PS#0187									
\$33280	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0187	13	09-Feb-17 A	21-Feb-17 A		Final	I Approvals (BCC, Mayor, Ris	k Mamt.) - F	PS#0187								
641810	Executed Contract S-903 - PS#0187	0	21-Feb-17 A			1 1 1 1	cuted Contract S-903 - PS#0	1									
551150	EPA Compliance Date for Procurement - Replace S/G at PS#0187	0		31-Mar-17 A	1				Poplace S/C -+	DC#0107							
672160	Pre-Purchase Ball Control Valves - PS#0187	493	10-Jun-16 A	25-May-17 A	1		PA Compliance Date for Proc		1 1	r 0#UI0/							
S72150	Fabricate & Deliver Ball Control Valves - PS#0187		31-Dec-16 A	25-May-17 A			Pre-Purchase Ball Control										
							Fabricate & Deliver Ball Co		1 1								
S32180	Pre-Purchase Plug Valves - PS#0187		10-Jun-16 A	26-Jul-17 A			Pre-Purchase Plug Val		1								
S35080	Fabricate & Deliver Plug Valves - PS#0187		30-Nov-16 A	26-Jul-17 A			Fabricate & Deliver Plu	ig Valves - P	S#0187								
S72100	Pre-Purchase Pumps - PS#0187	509	10-Jun-16 A	03-Nov-17 A			Pre-Purchase P	umps - PS#	±0187				1				
72090	Fabricate & Deliver Pumps - PS#0187		11-Jan-17 A	03-Nov-17 A													

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onstruction		748	09-Mar-17 A	26-Mar-19						ar-19, Constru									
S33290	Contractor Notice to Proceed (NTP) - PS#0187	0	09-Mar-17 A			Contractor N	Notice to Pro	ceed (NTP) - PS	S#0187										
S71600	EPA Start Date for Construction - Replace S/G at PS#0187	0	01-Apr-17 A			EPA Start	Date for Cor	struction - Repl	ace S/GatPS#0	0187									
\$10560	Construction - Replace S/G at PS#0187	416	09-Mar-17 A	31-Jan-19						truction - Repl	ace S/G at	PS#0187							
5723070	Commissioning - PS#0187	35	04-Nov-18 A	31-Jan-19					Commissi	ionina - PS#0	187								
510820	Substantial Completion (CD Compliance Date 3/26/19) - Replace S/G at PS#0187	0		31-Jan-19*						ial Completior	1 I I	nlianaa Da	+ 2/26/10	(0) Popla	S S/C of B	S#0107			
40870	Project Closeout - PS#0187	35	01-Feb-19	07-Mar-19*								pliance Da	le 3/20/18	9) - Replac	ice 5/G at P	5#010/			
S51140	EPA Compliance Date for Construction - Replace S/G at PS#0187	0		26-Mar-19*						t Closeout - P	1 1		1				1		1
ect Administration		1194	24-Feb-15 A	07-Mar-19	·····				07-Mar	Compliance D r-19, Project A	ate for Cor Administratio	nstruction on	Replace	S/G at PS	S#0187		+		
S35250	WASD Project Administration - Replace S/G at PS#0187		24-Feb-15 A	07-Mar-19															
	ergency Generators and Controls at Regional Pump Stations		02-Sep-14 A	20-Jul-16 A	20-Jul-16 A, 1	5.13 Refurbish	Emergency	/ Generators an	d Controls at Re) Project Admi gional Pump	nistration Stations	Replace S	/Gat PS#	#0187			+		·
ineering Design	a gency denerators and controls at regionary amp diations		02-Sep-14 A	10-Dec-14 A	g Design														
71610	EPA Start Date for Engineering Design - Refurbish Emer Gen Controls at Pumpstations**	0	02-Sep-14 A	10-200-14 A															
310030	Engineering Design (NA) - Refurbish Emer Gen Controls at Pumpstations	40	12-Sep-14 A	21-Oct-14 A	Design - Refurbish Emer Ge			S**											
			12-3ep-14 A) - Refurbish Emer Gen Con	trois at Pumpst	tations						1		1		1		1
51300	EPA Compliance Date for Engineering Design - Refulbish Emer Gen Controls at Pumpstations	0	10.0 11.1	10-Dec-14 A	r Engineering Design - Refu	bish Emer Ger	n Controls a	t Pumpstations											
nitting	Domitting (N/A) Defurish Emer Can Controls at Dumpotations	209	12-Sep-14 A	09-Apr-15 A															
10180	Permitting (NA) - Refurbish Emer Gen Controls at Pumpstations	40	12-Sep-14 A	21-Oct-14 A	- Refurbish Emer Gen Contr	ois at Pumpsta	ations												
71620	EPA Start Date for Permitting - Refurbish Emer Gen Controls at Pumpstations	0	11-Dec-14 A		itting - Refurbish Emer Gen	Controls at Pur	mpstations												
51310	EPA Compliance Date for Permitting - Refurbish Emer Gen Controls at Pumpstations	0		09-Apr-15 A	Date for Permitting - Refut 22-Jun-16 A, P	ish Emer Gen	Controls at I	Pumpstations									ļ		
urement		649	12-Sep-14 A	22-Jun-16 A	22-Jun-16 A, P	rocurement											1		
30390	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												
30480	5.13 (17) Procurement - Refurbish PS#0683 Emergency Generator & Controls	40	19-Sep-14 A	28-Oct-14 A	furbish PS#0683 Emergenc														
80360	5.13 (13) Procurement - Refurbish PS#0517 Emergency Generator & Controls	40	19-Sep-14 A	28-Oct-14 A	furbish PS#0517 Emergenc														
30510	5.13 (18) Procurement - Refurbish PS#685 Emergency Generator & Controls	38	07-Oct-14 A	13-Nov-14 A			i i i								1		1		
0180	5.13 (7) Procurement - Refurbish PS#0422 Emergency Generator & Controls	38	07-Oct-14 A	13-Nov-14 A	efurbish PS#685 Emergence								1						
1630	EPA Start Date for Procurement - Refurbish Emer Gen Controls at Pumpstations	0	03-Jan-15 A		furbish PS#0422 Emergenc	- i i	i i i												
80450	5.13 (16) Procurement - Refurbish PS#0681 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	curement - Refurbish Emer C														
30430 30420	5.13 (15) Procurement - Refurbish PS#0571 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	- Refurbish PS#0681 Emer														
					- Refurbish PS#0571 Emer														
80300	5.13 (11) Procurement - Refurbish PS#0426 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	- Refurbish PS#0426 Emer	ency Generato	or & Controle	3					1						
0240	5.13 (9) Procurement - Refurbish PS#0424 Emergency Generator & Controls	59	02-Feb-15 A	01-Apr-15 A	nent - Refurbish PS#0424 E	mergenicy Gen	herator & Cor	ntrols											
80120	5.13 (5) Procurement - Refurbish PS#0348 Emergency Generator & Controls	73	20-Jan-15 A	02-Apr-15 A	nent - Refuibish PS#0348 E	mergency Gen	herator & Co	ntrols											
0090	5.13 (4) Procurement - Refurbish PS#0347 Emergency Generator & Controls	52	16-Feb-15 A	08-Apr-15 A	ment - Refurbish PS#0347 E														
30330	5.13 (12) Procurement - Refurbish PS#0516 Emergency Generator & Controls	102	05-Jan-15 A	16-Apr-15 A	rement - Refurbish PS#0516	1 1 1		1.1.1							1		1		
30150	5.13 (6) Procurement - Refurbish PS#0421 Emergency Generator & Controls	2	22-Apr-15 A	23-Apr-15 A	ement - Refurbish PS#0421														
30000	5.13 (1) Procurement - Refurbish PS#0306 Emergency Generator & Controls	136	22-Dec-14 A	06-May-15 A	rement - Refurbish PS#0421			1 1											
30030	5.13 (2) Procurement - Refurbish PS#0345 Emergency Generator & Controls		04-May-15 A	29-May-15 A	iii		i i i	i i											1
30270	5.13 (10) Procurement - Refurbish PS#0425 Emergency Generator & Controls		04-May-15 A	29-May-15 A	urement - Refurbish PS#034								1		1		1		
			-	-	curement - Refurbish PS#04	25 Emergency	y Generator	& Controls					1						
30540	5.13 (19) Procurement - Refurbish PS#1072 Emergency Generator & Controls	22	15-Jun-15 A	06-Jul-15 A	Procurement - Refurbish PS#	1072 Emerger	ncy Generat	or & Controls											
30210	5.13 (8) Procurement - Refurbish PS#0423 Emergency Generator & Controls	22	15-Jun-15 A	06-Jul-15 A	ocurement - Refurbish PS#0	423 Emergence	cy Generato	r & Controls					1		1		1		
30570	5.13 (20) Procurement - Refurbish PS#1073 Emergency Generator & Controls	31	10-Aug-15 A	09-Sep-15 A	20) Procurement - Refurbish														
\$10340	Procurement (Summary) - Refurbish Emer Gen Controls at Pumpstations	364	12-Sep-14 A	10-Sep-15 A	Procurement (Summary) - Ref	furbish Eme	r Gen Controls a	at Pumpstations										
530060	5.13 (3) Procurement - Refurbish PS#0346 Emergency Generator & Controls	32	10-Aug-15 A	10-Sep-15 A	3) Procurement - Refurbish I	S#0346 Emer	rgency Gene	erator & Controls	s				1		1		1		
\$51320	EPA Compliance Date for Procurement - Refurbish Emer Gen Controls at Pumpstations	0		22-Jun-16 A	◆ EPA Complian 20-Jul-16 A,	e Date for Pro	curement - F	Refurbish Emer	Gen Controls at	Pumpstation	s					<u>.</u>	<u> </u>		
struction		637	22-Oct-14 A	20-Jul-16 A	20-Jul-16 A, (Construction													
\$30490	5.13 (17) Construction - Refurbish PS#0683 Emergency Generator & Controls	29	29-Oct-14 A	26-Nov-14 A	Refurbish P\$#0683 Emerger	nov Generator	& Controls												
30520	5.13 (18) Construction - Refurbish PS#0685 Emergency Generator & Controls	18	14-Nov-14 A	01-Dec-14 A	Refurbish PS#0685 Emerge	ncv Generator	& Controls												
30190	5.13 (7) Construction - Refurbish PS#0422 Emergency Generator & Controls	25	14-Nov-14 A	08-Dec-14 A	Refurbish P\$#0422 Emerger	1 1 1									1		1		
30370	5.13 (13) Construction - Refurbish PS#0517 Emergency Generator & Controls	27	14-Nov-14 A	10-Dec-14 A	Refulbish PS#0517 Emerge														
30400	5.13 (14) Construction - Refurbish PS#0522 Emergency Generator & Controls	83	22-Oct-14 A	12-Jan-15 A	- Refurbish PS#0517 Emerge	11 1 1		le l											
30310	5.13 (11) Construction - Refurbish PS#0426 Emergency Generator & Controls	29	07-Jan-15 A	04-Feb-15 A															
30460	5.13 (16) Construction - Refurbish PS#0681 Emergency Generator & Controls	29	13-Jan-15 A	10-Feb-15 A	n - Refurbish PS#0426 Eme														
30430	5.13 (15) Construction - Refurbish PS#0571 Emergency Generator & Controls	29	20-Jan-15 A	17-Feb-15 A	_on - Refurbish PS#0681 Em														
30160	5.13 (6) Construction - Refurbish PS#0421 Emergency Generator & Controls	2	22-Apr-15 A	23-Apr-15 A	on - Refurbish PS#0571 En														
30100	5.13 (d) Construction - Refurbish PS#0421 Enleigency Generator & Controls	29	09-Apr-15 A	07-May-15 A	_uction - Refurbish PS#0421	1 1 1		1 1											
				-	_ruction - Refurbish PS#0347														
80250	5.13 (9) Construction - Refurbish PS#0424 Emergency Generator & Controls	29	10-Apr-15 A	08-May-15 A	ruction - Refurbish PS#0424														
30130	5.13 (5) Construction - Refurbish PS#0348 Emergency Generator & Controls	55	03-Apr-15 A	27-May-15 A	_struction - Refurbish PS#034	8 Emergency	Generator &	Controls											
0040	5.13 (2) Construction - Refurbish PS#0345 Emergency Generator & Controls		01-Jun-15 A	10-Jun-15 A	struction - Refurbish PS#03								1						
30280	5.13 (10) Construction - Refurbish PS#0425 Emergency Generator & Controls		01-Jun-15 A	12-Jun-15 A	nstruction - Refuibish PS#0	425 Emergend	cy Generato	r & Controls					1						
0010	5.13 (1) Construction - Refurbish PS#0306 Emergency Generator & Controls	81	12-May-15 A	31-Jul-15 A	Construction - Refurbish PS														
0550	5.13 (19) Construction - Refurbish PS#1072 Emergency Generator & Controls	29	07-Jul-15 A	04-Aug-15 A) Construction - Refurbish P														
0220	5.13 (8) Construction - Refurbish PS#0423 Emergency Generator & Controls	29	07-Jul-15 A	04-Aug-15 A	Construction - Refurbish PS														
0580	5.13 (20) Construction - Refurbish PS#1073 Emergency Generator & Controls	19	10-Sep-15 A	28-Sep-15 A	(20) Construction - Refurbis	1 1 1		1 1	role										
0070	5.13 (3) Construction - Refurbish PS#0346 Emergency Generator & Controls		11-Sep-15 A	09-Oct-15 A	i i i i			i i	i i										
/1640	EPA Start Date for Construction - Refurbish Emer Gen Controls at Pumpstations	0	03-Jan-16 A		3) Construction - Refurbis														
1040	· ·	-	29-Oct-14 A	04-Feb-16 A	EPA Start Date for Constru-														
	Construction (Summary) - Refurbish Emer Gen Controls at Pumpstations	464			Construction	(Summary) - R	eruroisn Em	er Gen Controls	s at Pumpstation	15									
30340	5.13 (12) Construction - Refurbish PS#0516 Emergency Generator & Controls		12-May-15 A	04-Feb-16 A	5.13 (12) Construction -	Refurbish PS#	#0516 Emer	gency Generato	or & Controls										
10630	Substantial Completion (CD Compliance Date 7/20/16) - Refurbish Emer Gen Controls at Pumpstations	0		04-Feb-16 A	Substantial Completion														
51330	EPA Compliance Date for Construction - Refurbish Emer Gen Controls at Pumpstations	0		20-Jul-16 A	◆ EPA Complia ▼ 04-Feb-16 A, Project Ad								l.				ļ	l	. į į
ect Administration			12-May-15 A	04-Feb-16 A	U#-Feb-16 A, Project Ad	ministration													
72640	WASD Project Administration - Refurbish Emergency Generator & Controls	269	12-May-15 A	04-Feb-16 A	WASD Project Administr	ation - Refurbi	ish.Emeraen	cy Generator &	Controls										
Upgrade of PS#	#0086, 0492	652	19-Mar-12 A	31-Dec-13 A															
urement		383	19-Mar-12 A	06-Apr-13 A															
0000	Procurement - Upgrade PS#0086, 0492	183	19-Mar-12 A	17-Sep-12 A													1		
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y ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3	04	2017			2018	04		2019	04 0	20		04 01	202			2022	04 0	202		24 0
PS51340	EPA Compliance Date for Procurement - Upgrade PS#0086, 0492	0		06-Apr-13 A																					
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		_																				
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	lpgrade PS#008	6, 0492																			
PS51350	EPA Compliance Date for Construction - Upgrade PS#0086, 0492	0	19-Mar-12 A	31-Dec-13 A	le.PS#0086.049	¢																			
Project Administration PS72650	WASD Project Administration - Upgrade PS#0086, 0492	483	19-Mar-12 A	15-Jul-13 A 15-Jul-13 A	86, 0492																				
	P\$#0065, 0201, 0334, 0374, 0607	2916	12-Dec-10 A	25-Jan-18 A	00, 0492				25-Ja	an-18 A,	5.15 U	ograde o	f PS#000	5,0201	0334, 03	74, 060)7								
Engineering Design		1496	12-Dec-10 A	16-Jan-15 A	ring Design																				
PS71670	EPA Start Date for Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	01-Jan-14 A	10 Gail 10/X	le PS#0065, 020	1 0228	0274 0607																1		
PS51360	EPA Compliance Date for Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607**	0		09-Jan-15 A	for Engineering	11 11		; #00k5_0?	201 0334	0374 0	: 607**														
PS10170	Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607	1497	12-Dec-10 A	16-Jan-15 A	Upgrade PS#006				201, 0304	, 03/ 4, 0															
Permitting		1579	12-Dec-10 A	09-Apr-15 A	imitting]]]]		[]]				1			· · · · · · · · · · · · · · · · · · ·		
PS71680	EPA Start Date for Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	10-Jan-15 A		mitting - Upgrade	PS#00	65, 0201, 03	34, 0374	, 0607																
PS10260	Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	1528	12-Dec-10 A	16-Feb-15 A	rade PS#0065, 0	201, 03	34, 0374, 060	07																	
PS51370	EPA Compliance Date for Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	0		09-Apr-15 A	Date for Permit	ing - Up	grade PS#00	65, Ø201	, 0334, 03	74,060	z¦														
Procurement	EDA Stat Data far Desaurament I barrada DOMOREE 0004 0004 00074 0007	1625	12-Dec-10 A	25-May-15 A	Procurement																				
PS71690 PS51380	EPA Start Date for Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607 EPA Compliance Date for Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607**	0	08-Oct-14 A	06-Apr-15 A	ent - Upgrade P	1 1			1 1																
PS10320	Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607	1626	12-Dec-10 A	25-May-15 A	Date for Procure				01,0334,	0374, 00	507**														
Construction	rioculement - opgiade r 3#0003, 0201, 0334, 0314, 0007	1845	12-Dec-10 A	31-Dec-15 A	- Upgrade PS#0 31-Dec-15 A, C			4,0607			· · · · · ·														
PS71700	EPA Start Date for Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	06-Apr-15 A	ST-Dec-13 A		1				0.017															
PS10350	Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	1845	12-Dec-10 A	30-Dec-15 A	- or Construction - Construction - I																				
PS10500	Substantial Completion (CD Compliance Date 12/31/15) - Upgrade PS#0065, 0201, 0334, 0374, 0607	0		30-Dec-15 A	Substantial Cor	1 1			3 (1		065 02	11 0334	0374 0	507										
PS51390	EPA Compliance Date for Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	0		31-Dec-15 A										0374,0	507										
15 (1) Pump Stat	tion 0065 Compliance Project	508	01-Aug-14 A	22-Dec-15 A	EPA Compliand 22-Dec-15 A, 5.	15 (1) Pi	ump Station (065 Con	npliance P	roject	: 0.000	, 0, 0, 1, 1, 1													1
Pre-Design		87	01-Aug-14 A	26-Oct-14 A		1			1																
PS20490	Pre-Design - PS#0065 Compliance Project	87	01-Aug-14 A	26-Oct-14 A	npliance Project	<u>.</u>										ļ									
Engineering Design		81	27-Oct-14 A	16-Jan-15 A	ring Design																				
PS12002	Engineering Design - PS#0065 Compliance Project	82	27-Oct-14 A	16-Jan-15 A	PS#0065 Compli	ance Pro	oject									; ;									
Permitting	Demillion DCH0005 Compliance Drained	28	19-Jan-15 A	16-Feb-15 A	lung																				
PS12012	Permitting - PS#0065 Compliance Project	29 63	19-Jan-15 A 23-Feb-15 A	16-Feb-15 A 27-Apr-15 A	0065 Complianc	e Project								·····											
Procurement PS12022	Procurement - PS#0065 Compliance Project	64	23-Feb-15 A	27-Apr-15 A	PS#0065 Compl	ianco Pr	ninct																		
Construction		225	11-May-15 A	22-Dec-15 A	22-Dec-15 A, C						· • · · · · ·														
PS12032	Construction - PS#0065 Compliance Project	226		22-Dec-15 A	Construction - I	S#0065	Compliance	Project																	
PS12042	Substantial Completion (CD Compliance Date 12/31/15) - PS#0065 Compliance Project	0		22-Dec-15 A	Substantial Con	nhletion	(CD Complian	í nœ Date	12/31/15)	- PS#00	; 65 Com	, nliance l	Project												
Project Administration		421	27-Oct-14 A	22-Dec-15 A	Substantial Con 22-Dec-15 A, P	oject Adi	ministration					p													
PS72720	WASD Project Administration - PS#0065 Compliance Project	422	27-Oct-14 A	22-Dec-15 A	WASD Project					oject															
	Pump Station 0065 Phase 1		01-Aug-14 A	21-Oct-15 A	Oct-15 A, 5,15 (or Pump Stat																		
Pre-Design PS31110	Pre-Design - FM for PS#0065 Phase 1	87	01-Aug-14 A	26-Oct-14 A	_																				
Engineering Design		81	01-Aug-14 A 27-Oct-14 A	26-Oct-14 A 16-Jan-15 A	65 Phase 1																				
PS31060	Engineering Design - FM for PS#0065 Phase 1	82	27-Oct-14 A	16-Jan-15 A	FM for PS#0065	Phase 1																			
Permitting		28	19-Jan-15 A	16-Feb-15 A	ting						•			{		<u>}</u>									
PS31070	Permitting - FM for PS#0065 Phase 1	29		16-Feb-15 A	or PS#0065 Pha	ise 1																			
Procurement		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#006		1																		
Construction		148		21-Oct-15 A	Oct-15 A, Constr	uction																			
PS31090	Construction - FM for PS#0065 Phase 1	149	26-May-15 A	21-Oct-15 A	Construction - I	M for P	S#0065 Phas	se 1																	
PS31100	Substantial Completion (CD Compliance Date 12/31/15) - FM for PS#0065 Phase 1	0	07.0 / / / /	21-Oct-15 A	ostantial Comple Oct-15 A, Projec	tion (CD)	Compliance I	Date 1.2/3	31/15) - FN	1 for PS#	0065. P	hase 1				ļ									
Project Administration PS72730	WASD Project Administration - FM for PS#0065 Phase 1	359 360	27-Oct-14 A 27-Oct-14 A	21-Oct-15 A 21-Oct-15 A	- : : -	4 4	1 1																		
	Pump Station 0065 Phase 2 (Non-Consent Decree)	1561	28-Aug-14 A	25-Jan-18 A	WASD Project	Aaminişi	ration - Fivi io	1 P3#000			5.15 (1	2) FM fo	r Pump S	ta tion 00	65 Phase	2 (Nan	-Consent D	Decree)	,						
Pre-Design		425	-	27-Oct-15 A	Oct-15 A, Pre-De	sign					· · · · · ·							····-							
PS72170	Pre-Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	426		27-Oct-15 A			Dhase d ()	lan Cana																	
Engineering Design	1	216	28-Oct-15 A	31-May-16 A	-Design - FM fo 31-N	ay-16A,	Engineering	Design		e)															The second second second second second second second second second second second second second second second se
PS72180	Engineering Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	217	28-Oct-15 A	31-May-16 A	Engi	neerina E	Design - FM f	for PS#00	065 Phase	2 (Non-	¦ Consen	t Decree													
Permitting		77		17-Aug-16 A		17-Aug-	Design - FM f 16 A, Permitti	ing																	
PS72190	Permitting - FM for PS#0065 Phase 2 (Non-Consent Decree)	78		17-Aug-16 A	_	Permittir	ng - FM for P 06-Ap	S#0065	Phase 2 (1	Non-Con	sent De	cree)				ļļ.									
Procurement	Drogurement EM for DC#00055 Dhoos 2 (Max Concert Destre)	199	19-Sep-16 A	06-Apr-17 A	'		1 1		: :	1	1	1													
PS72200	Procurement - FM for PS#0065 Phase 2 (Non-Consent Decree)	200	19-Sep-16 A	06-Apr-17 A			Propu	rement -	FM for PS	S#0065_I	Phase 2 Constru	(Non-Co	nsent De	cree)						- <u> </u>					
Construction PS72210	Construction - FM for PS#0065 Phase 2 (Non-Consent Decree)	608 294	07-Apr-17 A 07-Apr-17 A	25-Jan-18 A 25-Jan-18 A																					
PS72210	Substantial Completion - FM for PS#0065 Phase 2 (Non-Consent Decree)	0	5. Apr 17.	25-Jan-18 A	-1										onsent D		1 D- 1								
roject Administratio		821	28-Oct-15 A	25-Jan-18 A		<u>i.</u>	<u></u>	i	25-Ja	antial C an-18 A,	umpiete Project	an - t-M Administ	ration	Joo Pha	ie,⊿ (Non	-Lonsen	t Decree)								
PS72740	WASD Project Administration - FM for PS#0065 Phase 2 (Non-Consent Decree)	821	28-Oct-15 A	25-Jan-18 A				i			÷ 1					1	onsent Dec	Tee)							
	tion 0201 Compliance Project	976		04-Sep-15 A	o-15 Å, 5.15 (2) F	Pump Sta	ation 0201 Co	ompliance	e Project	UHOLET OHO		າວເປັນເປັນ	- 1 041-1001-	ממשטיזייבי.	r.udse.2	-(13011-0	onadin Dec	1996)							
Engineering Design		367	01-Jan-13 A	03-Jan-14 A		1																			
PS12052	Engineering Design - PS#0201 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	PS#0201 Compli	ance Pro	ject									ļ									
Permitting		172		27-Jun-14 A																					
PS12062	Permitting - PS#0201 Compliance Project	173		27-Jun-14 A	0201 Complianc	e Project																			
Procurement PS12072	Procurement - PS#0201 Compliance Project	262	30-Jun-14 A	19-Mar-15 A 19-Mar-15 A	urement		4																		
PS12072 Construction	Procurement - PS#0201 Compliance Project	263	30-Jun-14 A		S#0201 Complia p-15 Å, Construc		ect	····						····							···				
CONSTRUCTION		108	20-Mar-15 A	04-Sep-15 A		· • · · ·					1			1	1	i 1			1						

	Activity Name	Original	Stand	Finish	Baseline (By Phase)	2017		2018		2)19	2020			2021			022	10 10		age No.	0.670
		Duration	Otart	T III OT	Q1 Q2 Q3 Q4		Q4 Q1 (Q4							Q4 0			Q4 (
PS12082	Construction - PS#0201 Compliance Project	169	20-Mar-15 A	04-Sep-15 A	Construction - PS#0201	1 Compliance Proje	t															_
PS12092	Substantial Completion (CD Compliance Date 12/31/15) - PS#0201 Compliance Project	0		04-Sep-15 A	antial Completion (CD Cor 5-15 A, Project Administra	mpliance Date 12/3	1/15) - PS#0	201 Com	pliance	Project												
Project Administration		976	01-Jan-13 A	04-Sep-15 A																		
PS72750	WASD Project Administration - PS#0201 Compliance Project	977	01-Jan-13 A	04-Sep-15 A	WASD Project Administr 30-Dec-15 A, 5.15 (3) Project Administration																	
	on 0334 Compliance Project	1093	01-Jan-13 A 01-Jan-13 A	30-Dec-15 A	30-wec-13 A, 3. 13 (3) F							·····						·	÷			
Engineering Design PS12102	Engineering Design - PS#0334 Compliance Project	367 368	01-Jan-13 A 01-Jan-13 A	03-Jan-14 A 03-Jan-14 A	PS#0334 Compliance Pro	niect																
Permitting		172		27-Jun-14 A		Jeou			·									•				
PS12112	Permitting - PS#0334 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	0334 Compliance Project	t																
Procurement		232	17-Jun-14 A	04-Feb-15 A	ement		1															1
PS12122	Procurement - PS#0334 Compliance Project	233	17-Jun-14 A	04-Feb-15 A	S#0334 Compliance Proje											ļ			ļ		ļļ	
Construction		328	05-Feb-15 A	30-Dec-15 A	30-Dec-15 A, Constructio																	
PS12132	Construction - PS#0334 Compliance Project	329	05-Feb-15 A	30-Dec-15 A	Construction - PS#0334																	
PS12142 Project Administration	Substantial Completion (CD Compliance Date 12/31/15) - PS#0334 Compliance Project	0	01-Jan-13 A	30-Dec-15 A 30-Dec-15 A	Substantial Completion 30-Dec-15 A, Project Ad	(CD Compliance Da Iministration	te 12/31/15) - PS#03	34.Com	pliance P	aject											
PS72690	WASD Project Administration - PS#0334 Compliance Project	1093	01-Jan-13 A	30-Dec-15 A	WASD Project Administr		1 1	1														
5.15 (3.1) FM for Pu		846	01-Jan-13 A	27-Apr-15 A	15 (3,1) FM for Pump Sta				·			•••••						· · · · · ·				
Engineering Design	·	367	01-Jan-13 A	03-Jan-14 A					•••••••		+					+						
PS12152	Engineering Design - FM for Pump Station 0334	368	01-Jan-13 A	03-Jan-14 A	M for Pump Station 0334	4				-						1						
Permitting		219	06-Jan-14 A	13-Aug-14 A																		
PS12162	Permitting - FM for Pump Station 0334	220	06-Jan-14 A	13-Aug-14 A	or Pump Station 0334											ļ			ļ			
Procurement	Descrimente EM (se Duran Obsider 2004)	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 on struction	····.																
Construction PS12182	Construction - FM for Pump Station 0334	154 155	24-Nov-14 A 24-Nov-14 A	27-Apr-15 A 27-Apr-15 A	Construction - FM for Pu	ump Station 0224																
PS12192	Substantial Completion (CD Compliance Date 12/31/15) - FM for Pump Station 0334	0	2411071477	27-Apr-15 A																		
Project Administration		846	01-Jan-13 A	27-Apr-15 A	mpletion (CD Compliance oject Administration	Date 12/31/15) - F	1 for Pump	Station 0	334							+						
PS72700	WA SD Project Administration - FM for Pump Station 0334	847	01-Jan-13 A	27-Apr-15 A	WASD Project Administr	tration - FM for Pum	o Station 03	34														
5.15 (4) Pump Static	on No. 0374 Upgrade	1118	12-Dec-10 A	03-Jan-14 A	Jpgrade				1							1		1				1
Engineering Design		1118	12-Dec-10 A	03-Jan-14 A																		
PS12202	Engineering Design - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	PS#0374 Upgrade											İİ						
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	Descurrencest, DC#02741 barrada	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 PS12232	Construction - PS#0374 Upgrade - Completed In-House	1118 1119	12-Dec-10 A 12-Dec-10 A	03-Jan-14 A 03-Jan-14 A	Construction - PS#0374																	
PS12242	Substantial Completion (CD Compliance Date 12/31/15) - PS#0374 Upgrade	0	12 200 10 //	03-Jan-14 A	- : : : :		leu in-nouse															
Project Administration		1118	12-Dec-10 A	03-Jan-14 A	2/31/15) - PS#0374 Upar	rade			· · · · · ·				••••					· [· · · · ·				
PS72710	WASD Project Administration - PS#0374 Upgrade - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administr	tration - PS#0374 U	ograde - Cor	npleted li	: n-House													
5.15 (4.1) Pump Stat	ation No. 0374 FM Installation	1118	12-Dec-10 A	03-Jan-14 A	FM Installation								1									
Engineering Design			12-Dec-10 A	03-Jan-14 A																		
PS12252	Engineering Design - PS#0374 FM Installation	1119		03-Jan-14 A	PS#0374 FM Installation						ļ			4		į					ļļ	
Permitting PS12262	Permitting - PS#0374 FM Installation	1118	12-Dec-10 A 12-Dec-10 A	03-Jan-14 A 03-Jan-14 A																		
Procurement		1119	12-Dec-10 A	03-Jan-14 A	0374 FM Installation				·							+						
PS12272	Procurement - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	S#0374 FM Installation											1						
Construction		1118	12-Dec-10 A	03-Jan-14 A					· · · · · ·		1	····		· · · · · · · ·				· • · · · · ·	1			
PS12282	Construction - PS#0374 FM Installation - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	Construction - PS#0374	4 FM Installation - C	mpleted in-	House														
PS12292	Substantial Completion (CD Compliance Date 12/31/15) - PS#0374 FM Installation	0		03-Jan-14 A	2/31/15) - PS#0374 FM I	Installation																
Project Administration	n	1118	12-Dec-10 A	03-Jan-14 A												[
PS72680	WASD Project Administration - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administr						ļ					ļļ					ļļ	
	on 0607 Compliance Project	1025	01-Jan-13 A	23-Oct-15 A	Oct-15 A, 5:15 (5) Pump	Station 0607 Comp	lance Proje	α														
Engineering Design	Engineering Design DO40007 Compliance Divised	367	01-Jan-13 A	03-Jan-14 A																		
PS12302 Permitting	Engineering Design - PS#0607 Compliance Project	368 151	01-Jan-13 A 06-Jan-14 A	03-Jan-14 A 06-Jun-14 A	PS#0607 Compliance Pro	oject			·{····			····-				÷		·				
Permitting PS12312	Permitting - PS#0607 Compliance Project	151	06-Jan-14 A 06-Jan-14 A	06-Jun-14 A 06-Jun-14 A	0607 Compliance Project	t																
Procurement	J	210	30-Jun-14 A	26-Jan-15 A	ment	·			· • · · · • •	{	++	·····	• • • • • • • • • •			+		•				
PS12322	Procurement - PS#0607 Compliance Project	211	30-Jun-14 A	26-Jan-15 A	S#0607 Compliance Proje	ect																
Construction		269	27-Jan-15 A	23-Oct-15 A	Oct-15 A, Construction				1		11			1				1) 	
PS12332	Construction - PS#0607 Compliance Project	270	27-Jan-15 A	23-Oct-15 A	Construction - PS#0607	7 Compliance Proje	t															
PS12342	Substantial Completion (CD Compliance Date 12/31/15) - PS#0607 Compliance Project	0		23-Oct-15 A	ostantial Completion (CD) Oct-15 A, Project Adminis	Compliance Date 1	2/31/15) - PS	S#0607.C	Compliar	ce Proiec	<u></u>					ļ						
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 Administr	tration - PS#0607 C	ompliance P	roject		9¢	h-19 5 16 1	pgrade of PS#	0100 0	437 0/66	0880	÷						
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Engineering Design	EPA Clast Data for Engineering Desire. Users de DOVO400, 0407, 0400, 0000	273	02-Jan-15 A	02-Oct-15 A	Ct-15 A, Engineering Des	sign																
PS71710	EPA Start Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	02-Jan-15 A	06 807 45 4	ineering Design - Upgrad															-		
PS51400	EPA Compliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	01-Mov 45 A	06-Sep-15 A	ompliance Date for Engin			198, 043	7, 046 <mark>6</mark> ,	068ģ**												
PS10330	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680	155		02-Oct-15 A	neering Design - Upgrade 28-Dec-15 A, Permitting		466, 0680		·}	{								· · · · · ·				
Permitting PS71720	EPA Start Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680	140 0	10-Aug-15 A 07-Sep-15 A	28-Dec-15 A																		
PS51410	EPA Staft Date for Permitting - Upgrade PS#0198, 0437, 0406, 0680**	0	01 00p-10 A	05-Dec-15 A	tart Date for Permitting - I												-			-		
PS10430	Permitting - Upgrade PS#0198, 0437, 0466, 0680	141	10-Aug-15 A	28-Dec-15 A	EPA Compliance Date for Permitting - Upgrade PS			. 0437. 0	466. 0 <mark>6</mark>	80**												
Procurement	· ••••••••••••••••••••••••••••••••••••	229	04-Nov-15 A	20-Jun-16 A	20-Jun-16 A		, 0000		· · · · · •		++			·····		+		· [
. rooaromoni	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680	0	06-Dec-15 A	LUGUIFIUA			1	1	1	1	1 1				1	1	1		1			
PS71730	LFA Statt Date for Floculement - Opglade F 3#0130, 0437, 0400, 0000				EPA Start Date for Procur			77 0100								1						

	ecree Schedule - December 2018 Update				Baseline (By Phase) 15-Jan-19 13:16 - Page No. 68 (
ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023
DQ 40400			04 No. 45 A	00 hus 40 A	<u></u> Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q1 Q1 Q2 Q3 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
PS10490	Procurement - Upgrade PS#0198, 0437, 0466, 0680	230		20-Jun-16 A	Procurement - Upgrade PS#0198, 0437, 0466, 0680
Construction PS71740	EPA Start Date for Construction - Upgrade PS#0198, 0437, 0466, 0680	988	18-Apr-16 A 03-Jun-16 A	31-Dec-18	
PS10540	Construction - Upgrade PS#0198, 0437, 0466, 0680	562	18-Apr-16 A	24-Jan-18 A	EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0680 EPA Start Date for Construction - Upgrade:PS#0198, 0437, 0466, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488, 0488,
PS10700	Substantial Completion (CD Compliance Date 12/31/18) - Upgrade PS#0198, 0437, 0466, 0680	0	10-Api-10 A	24-Jan-18 A	Construction - Upgrade PS#0198, 0437, 0466, 0680
PS51430		0		31-Dec-18*	 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**		02 Nov 14 A		EPA Compliance Date for Construction - Upgrade PS#0198, 0437, 0466, 0680** 28-Feb-19, \$.16 (1) Pump Station 0198 Compliance Project
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Pre-Design PS20290	Bra Dagian DS#0109 Compliance Droject	179 179	03-Nov-14 A	30-Apr-15 A	
	Pre-Design - PS#0198 Compliance Project		03-Nov-14 A	30-Apr-15 A	5#0198.Compliance Project
ngineering Design PS12352		95		04-Aug-15 A 04-Aug-15 A	
	Engineering Design - PS#0198 Compliance Project		,	15-Oct-15 A	ering Design - P\$#0198 Compliance Project Dct-15 A. Permitting
ermitting PS12362	Permitting - PS#0198 Compliance Project	66 67	10-Aug-15 A 10-Aug-15 A	15-Oct-15 A	
		162	04-Nov-15 A	14-Apr-16 A	Permitting -!PS#0(198 Compliance Project
Procurement PS33300	Design Documents Sent to Procurement - PS#0198 Compliance Project	102	04-Nov-15 A	14-Api-16 A	
PS33310	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project	26		29-Nov-15 A	sign Documents Sent to Procurement - PS#0198 Compliance Project
		20		23-110-13 A	Submit/Approve SBD Gdals and Request to Advertise - PS#0198 Compliance Project
PS33320	Advertise Bid Package - PS#0198 Compliance Project	0	07-Dec-15 A		Advertise Birl Package - PS#0(198 Compliance Project
PS33330	Bid Solicitation Period - PS#0198 Compliance Project	31	07-Dec-15 A	06-Jan-16 A	Bid Solicitation 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 - PS#0198 Compliance Project
PS41150	Re-Bid Solicitation - PS#0198 Compliance Project	30		09-Mar-16 A	Re-Bid Solicitation - PS#0198 Compliance Project
PS41160	Re-Bids Due - PS#0198 Compliance Project	0	10-Mar-16 A		♦ Re-Bids Due - PS#0198 Compliance Project
PS41170	Re-Bid Review Period - PS#0198 Compliance Project	14	10-Mar-16 A	23-Mar-16 A	Re-Bid Review Period + PS#0198 Compliance Project
PS33360	Award Recommendation - PS#0198 Compliance Project	0		23-Mar-16 A	♦ Award Recommendation - PS#0198 Compliance Project
PS12372	Procurement - PS#0198 Compliance Project	163	04-Nov-15 A	14-Apr-16 A	Procurement - PS#0198 Compliance Project
PS33370	Final Approvals - PS#0198 Compliance Project	22	24-Mar-16 A	14-Apr-16 A	Final Approvals- PS#0198 (compliance Project
PS50780	P.O. Issued - PS#0198 Compliance Project	0		14-Apr-16 A	Pinar Approvals - P 3#0198 Compliance Project P.O. Issued - P\$#0198 Compliance Project
Construction		773	18-Apr-16 A	28-Feb-19	v 1-0- ssued - + 0+0 so compliance - totea. ✓ 28-Feb-19, 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
PS12382	Construction - PS#0198 Compliance Project	562	18-Apr-16 A	24-Jan-18 A	Construction - PS#0198 Compliance Project
PS12392	Substantial Completion - PS#0198 Compliance Project	0	•	24-Jan-18 A	
PS40880	Project Closeout - PS#0198 Compliance Project	90	25-Jan-18 A	28-Feb-19*	♦ Substantial Completion - PS#0198 Compliance Project
roject Administratio		1005	01-May-15 A	28-Feb-19	Project Closeout - PS#0198 Compliance Project
PS35240	WASD Project Administration - PS#0198 Compliance Project	1005		28-Feb-19	
		1063	03-Nov-14 A	28-Feb-19	WASD Project Administration -PS#0198 Compliance Project 28-Feb-19, 5.16 (2) Pump Station № 0437 Upgrade
	tion No. 0437 Upgrade	179	03-Nov-14 A	30-Apr-15 A	e-Design
Pre-Design PS20300	Pre-Design -PS#0437 Upgrade	179		30-Apr-15 A	
Engineering Design		95		04-Aug-15 A	#0437 Upotade.
PS12402	Engineering Design - PS#0437 Upgrade	96	01-May-15A	04-Aug-15 A	eering Design - P\$#0437 Upgtade
Permitting		67	10-Aug-15 A	16-Oct-15 A	Denis Lesgi - r swords opgade
PS12412	Permitting - PS#0437 Upgrade	68	10-Aug-15 A		Permitting - PS#0/437 Upgrade
Procurement	· · · · · · · · · · · · · · · · · · ·	145		17-Apr-16 A	TAPITE Procument
PS33390	Design Documents Sent to Procurement - PS#0437 Upgrade	0	24-Nov-15 A		┨ : : : : : : : : : :
PS33410	Advertise Bid Package - PS#0437 Upgrade	0	09-Dec-15 A		Desian Documents Sent to Procurement - PS#0437 Uparade
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
PS33420	Bid Solicitation Period - PS#0437 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Submit/Approve SBD Goals and Request to Adventise - PS#0437, Upgrade
PS33430	10	0		06-Jail-10 A	Bid Solicitation Period - PS#0437 Upgrade
	Bids Due - PS#0437 Upgrade		09-Jan-16 A	00 1 40 4	→ Bids Due - PS#0437 Upgrade
PS33440	Bid Review Period - PS#0437 Upgrade	12	09-Jan-16 A	20-Jan-16 A	Biḍ Reviệw Period - 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		17-Feb-16 A	_ ◆ P.O. Issued - PS#0437 Upgrade
PS12422	Procurement - PS#0437 Upgrade	146	24-Nov-15 A	17-Apr-16 A	Procurement - PS#0437 Upgrade
Construction		531	18-Apr-16 A	28-Feb-19	v 28-Feb-19, Construction
PS33470	Contractor Notice to Proceed (NTP) - PS#0437 Upgrade	0	18-Apr-16 A		◆ Contractor Notice to Proceed (NTP) - P\$#0437 Upgrade
PS12432	Construction - PS#0437 Upgrade	243	02-May-16 A	30-Dec-16 A	Construction - PS#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-Feb-19*	Project Closeout - PS#0437 Uograde 28-Feb-19, Project Administration
Project Administratio	on	884	01-May-15 A	28-Feb-19	Z8-Feb-19, Project Administration
PS35230	WASD Project Administration - PS#0437 Upgrade	884	01-May-15 A	28-Feb-19	WASD Protect Administration -PS#0437. Ubgrade
16 (3) Pump Stati	tion 0466 Compliance Project	1063	03-Nov-14 A	27-Oct-17 A	
Pre-Design		264	03-Nov-14 A	24-Jul-15 A	A, Pre-Desgn
PS20310	Pre-Design - PS#0466 Compliance Project	264	03-Nov-14 A	24-Jul-15 A	n - PS#0466 Compliance Project. Ict-15 A, Engineering Design
ngineering Design		67	27-Jul-15 A	02-Oct-15 A	pct-15 A, Engineering Désign
PS12452	Engineering Design - PS#0466 Compliance Project	68	27-Jul-15 A	02-Oct-15 A	neering Design - PS#0466 Compliance Project
ermitting		0	02-Oct-15 A	02-Oct-15 A	ct-15,A, Permitting
PS12462	Permitting - PS#0466 Compliance Project	1	02-Oct-15 A	02-Oct-15 A	Permitting - PS#0466 Compliance Project
Procurement		115	26-Feb-16 A	20-Jun-16 A	20-Jun-16 A, Procurement
PS33480	Design Documents Sent to Procurement - PS#0466 Compliance Project	0	26-Feb-16 A		Design Documents Sent to Procurement - PS#0466 Compliance Project
PS33490	Submit/Approve SBD Goals and Request to Advertise - PS#0466 Complance Project	18	26-Feb-16 A	14-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise - PS#0466 Comptiance Project
PS33500	Advertise Bid Package - PS#0466 Compliance Project	0	15-Mar-16 A		 ✓ SubminApprove SBD Goals and Request to Adventse - F 3#9400 compliance Flored ✓ Advertise Bid Package + PS#0466 Compliance Project
PS33510	Bid Solicitation Period - PS#0466 Compliance Project	32	15-Mar-16 A	15-Apr-16 A	
PS33520	Bids Due - PS#0466 Compliance Project	0	15-Apr-16 A		Bid Solicitation Period - PS#0466 Compliance Project
PS33530	Bid Review Period - PS#0466 Compliance Project	8	15-Apr-16 A	22-Apr-16 A	_ ♦ Bids Due - PS#0466 Compliance Project
	Award Recommendation - PS#0466 Compliance Project	0	.57.01	· ·	I Bid Review Period - PS#0466 Compliance Project
PS33540	Award Recommenciation - Powerphilance Project	1 0		22-Apr-16 A	◆ Award Recommendation - PS#0466 Compliance Project

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PS12472	Procurement - PS#0466 Compliance Project	116	26-Feb-16 A	20-Jun-16 A	Pr	rocureme	nt - P\$#040	66 Comp	oliance Pro	roject																		
PS33550	Final Approvals - PS#0466 Complance Project	59	23-Apr-16 A	20-Jun-16 A			vals - PS#0						1															
PS50810	P.O. Issued - PS#0466 Compliance Project	0	20-Jun-16 A	07.0 / 17.4	• P	O. Issued	- PS#0466	6 ['] Compli	ance Proj	iect	onstructio																	
Construction PS33560	Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project	447	11-Jul-16 A 11-Jul-16 A	27-Oct-17 A				1 1																				
PS12482	Construction - PS#0466 Compliance Project	103	11-Jul-16 A	21-Oct-16 A	_	Contracto	r Notice to	Proceed	(NTP) - P	PS#0466	Complia			tion - PS	; ;#0186	Complia		ort										
PS12492	Substantial Completion (CD Compliance Date 12/31/18) - PS#0466 Compliance Project	0		21-Oct-16 A	_				. (00 0		D-1-10			1 1	1										1			
PS40900	Project Closeout - PS#0466 Compliance Project	344	22-Oct-16 A	27-Oct-17 A	_	◆ Sut	ostanțial Co	ompletio					1	1. 1.		ce Projec												
Project Administration		797	27-Jul-15 A	27-Oct-17 A				: :	▼ 27-Oct	t-17 A, P	ut - P\$#0 roject Adr	ministra	ation							1								
PS35220	WASD Project Administration - PS#0466 Compliance Project	797	27-Jul-15 A	27-Oct-17 A		<u> </u>			. WASD	Project	Administr	ration	PS#04	66 Com	pliance	Project .) Upgrade										
5.16 (4) Pump Statio	n 0680 Upgrade	1063	03-Nov-14 A	30-Jan-19									30-Jan-	-19, 5.16	6 (4) P	ump Stati	on 068) Upgrade	•						<u>.</u>			
Pre-Design		179	03-Nov-14 A	30-Apr-15 A	re-Design																							
PS20320	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 Uporac 15 A, Engineeri	de ing:Design														·					÷			
Engineering Design PS12502	Engineering Design - PS#0680 Upgrade	95	01-May-15A	04-Aug-15 A	eering Design -	1 1	1																		1			
Permitting		140	10-Aug-15 A	28-Dec-15 A	28-Dec-15 A,			++				••••		+		••••				+		• • • • • • • •			++			
PS12512	Permitting - PS#0680 Upgrade	141	10-Aug-15 A	28-Dec-15 A	Permitting - P	S#0680 L	Jpgrade																		1			
Procurement		85	24-Nov-15 A	17-Feb-16 A	17-Feb-16	6 A, Procu	rement																		1			
PS33570	Design Documents Sent to Procurement - PS#0680 Upgrade	0	24-Nov-15 A		Design Docume	ents Sent t	o Procurer	ment - P	S#0680 U	Jpgrade															1			
PS33580	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade	16	24-Nov-15 A	09-Dec-15 A	Submit/Approv	/e SBD Go	als and Re	equest to	Advertise	e - PS#0	680 Üpgi	rade																
PS33590	Advertise Bid Package - PS#0680 Upgrade	0	09-Dec-15 A	00.1	Advertise Bid P	Package -	PS#0680 l	Upgrade																1				
PS33600	Bid Solicitation Period - PS#0680 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bid Solicitatio		1) Upgrad	e																			
PS33610 PS33620	Bids Due - PS#0680 Upgrade Bid Review Period - PS#0680 Upgrade	0	09-Jan-16 A 09-Jan-16 A	20-Jan-16 A	Bids Due - PS	i i	i i																					
PS33630	Award Recommendation - PS#0680 Upgrade	0	09-041-10 A	20-Jan-16 A	Bid Review I																				1			
PS12522	Procurement - PS#0680 Upgrade	86	24-Nov-15 A	17-Feb-16 A	Award Reco		tion - PS#0 t - PS#068																		1			
PS33640	Final Approvals - PS#0680 Upgrade	28	21-Jan-16 A	17-Feb-16 A		: :	;	1 1																				
PS50800	P.O. Issued - PS#0680 Upgrade	0		17-Feb-16 A	Final Appr		1	1 1																				
Construction		531	18-Apr-16 A	30-Jan-19	P.O. Issue	a∹PS#uk		ae			i		30-Jan	19, Con	nstructi	n									1			
PS33650	Contractor Notice to Proceed (NTP) - PS#0680 Upgrade	0	18-Apr-16 A		♦ Contra	actor Notic	e to Proce	ed (NTP) - P\$#06	80 Upar	ade														1			
PS12532	Construction - PS#0680 Upgrade	228	18-Apr-16 A	01-Dec-16 A								c	onstruct	tion - PS	S#0680	Upgrade									1			
PS12542	Substantial Completion (CD Compliance Date 12/31/18) - PS#0680 Upgrade	0		01-Dec-16 A		•	Substantial	l Comple	tion CD C	Complia	nce Date	12/31/	18) - PS	S#0680	Upgrad	e												
PS40910	Project Closeout - PS#0680 Upgrade	303	02-Dec-16 A	30-Jan-19*									Project.	Closeou	ut - PS	#0680 Up ministratio	orade.											
Project Administration		884	01-May-15 A	30-Jan-19									30-Jan-	-19, Proj	ject Ad	ministratio	5m											
PS35210	WASD Project Administration - PS#0680 Upgrade	884	01-May-15 A	30-Jan-19									WASD	Project	Admini	stration -	PS#068	80 Upgrad	le.	17-May	-21 5 1	17 Up	rade of	PS#00	37 035	1 037	0403	
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Engineering Design PS71750	EPA Start Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	336	05-Oct-15 A 02-Jan-16 A	05-Sep-16 A				1 1																	1			
PS10510	Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	337	05-Oct-15 A	05-Sep-16 A	EPA Start Dat		ineerina De eering Desi																		1			
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Permitting		314	05-Jun-16 A	15-Apr-17 A		. EPA.C	Compliance	5+Apr-17	A, Permit	ting Des	ign - Upgi	rade. P.	5#0037	(+0351+	.0.37.0,	0403									1			
PS71760	EPA Start Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0	06-Sep-16 A			♦ EPA S	tart Date fo	or Permit	ttina + Upa	arade PS	\$#0037 0	0351 0	370 04	403														
PS10620	Permitting - Upgrade PS#0037, 0351, 0370, 0403	257	05-Jun-16 A	16-Feb-17 A					- Upgrade																			
PS51450	EPA Compliance Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0		15-Apr-17 A				PA Com	oliance Da 17 A, Proc	ate for P	ermitting	- Upgra	de PS#	#0037,0	0351,0	370,040	3								<u>j</u> j			
Procurement		173		15-May-17 A				15-May-	17 A, Proc	curemer	it																	
PS71770	EPA Start Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403	0	29-Dec-16 A	05.14 47.4	_	•	EPA Star							i i	, 0403													
PS10690	Procurement - Upgrade PS#0037, 0351, 0370, 0403	164	23-Nov-16 A	05-May-17 A	_			Procurer	ment - Up	grade P	S#0037,	0351, (0370, 0	403											1			
PS51460	EPA Compliance Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403	628	12-Apr-17 A	15-May-17 A 30-Nov-18 A			·····	EPA Cor	mpliance (Date for	Procurent	nen <mark>t - L</mark>	Jograde	PS#00	37, 03 truction	51,0370,	0.403.			·								
Construction PS71780	EPA Start Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	020	16-May-17 A	30-N0-10 A			1	1 1						1														
PS10720	Construction - Upgrade PS#0037, 0351, 0370, 0403	203	•	30-Apr-18 A	-		_	EPA Sta	art Date fo	or Consti	uction' - U						351 03	70, 0403										
PS10750	Substantial Completion (CD Compliance Date 11/20/18) - Upgrade PS#0037, 0351, 0370, 0403	0	•	30-Apr-18 A				1 1	i.		betantial		1	1 1	1	1	1	Upgrade	1	27 025	1 0370	0403			1			
PS51470	EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0		30-Nov-18 A						▼ 30							1			1 1								
5.17 (1) Pump Statio	n 0037 Compliance Project	978	05-Oct-15 A	28-Feb-19	1 1							×	28-Fe	eb-19, 5	.17 (1)	Pump St	ation 00	ograde P.S 137 Comp	liance F	roject					1			
Pre-Design		69	31-Jan-16 A	08-Apr-16 A	08-Apr	r-16 A, Pre	-Design																					
PS20330	Negotiate Design Scope & Fee - PS#0037 Compliance Project	69	31-Jan-16 A	08-Apr-16 A	. Negotia	iate Desigr	Scope &	Fee - P	S#0037 C	Compliar	ice Projec	ct													ļļ			
Engineering Design	Site Selection - DS#0027 Compliance Divise	315		15-Aug-16 A				1 1																				
PS35020 PS35010	Site Selection - PS#0037 Compliance Project Preliminary Engineering/Site Assessment Report - PS#0037 Compliance Project	2	23-Nov-15 A 05-Oct-15 A	24-Nov-15 A 22-Dec-15 A	ite Selection -																							
PS35030	Land Acquisition - PS#0037 Complance Project	98	24-Nov-15 A	22-Dec-15 A 29-Feb-16 A	Preliminary En	- i i	i i	-i -i		i i	Compliar	nœ Pro	pject															
PS50480	30% Design Submittal - PS#0037 Compliance Project	53	12-Apr-16 A	03-Jun-16 A	Land A co		1		1		alact																	
PS50490	30% Design Review - PS#0037 Compliance Project	7	04-Jun-16 A	10-Jun-16 A			Submittal																					
PS50500	90% Design Submittal - PS#0037 Compliance Project	56	11-Jun-16 A	05-Aug-16 A			Review - F sign Submi																					
PS12552	Engineering Design - PS#0037 Compliance Project	316	05-Oct-15 A	15-Aug-16 A			eering Desi																					
PS41180	90% Design Review - PS#0037 Compliance Project	10	06-Aug-16 A	15-Aug-16 A				1	1	1 1	1						1											
Permitting		255	05-Jun-16 A	15-Feb-17 A			sign_Revie 15-Fe	b-17 Ă, Ì	Permitting]							1								1			
PS41700	Site Plan Approval - PS#0037 Compliance Project	103	05-Jun-16 A	15-Sep-16 A		Site F	lan Approv	val-PS#	0 037 Con	mpliance	Project																	
PS41730	FDOT Utility Permit - PS#0037 Compliance Project	20	14-Oct-16 A	02-Nov-16 A		1 1	OT Utility F	1 1	1	1 1	1	ect																
PS41710	RER DERM Permit - PS#0037 Compliance Project	108	16-Aug-16 A	01-Dec-16 A			RER DERM	/ Permit	- PS#003	37 Comp	liance	oje <mark>c</mark> t																
PS41740	City Of Miami Public Works Permit - PS#0037 Compliance Project	51	24-Oct-16 A	13-Dec-16 A			City Of Mia						oliance F	Project														
PS12562	Permitting - PS#0037 Compliance Project	256	05-Jun-16 A	15-Feb-17 A				1 7	- PS#003	- 1 - 1		·																
PS41720	City Of Miami Building Dept Permit - PS#0037 Compliance Project	115	24-Oct-16 A	15-Feb-17 A			City_O	0f Miami J 2-Apr-17	Building C A. Procur	Dept Per	nit - RS#	00 <mark>87.</mark> C	Compliar	rice Proj	iect .											····		
Procurement PS33660	Design Documents Sent to Procurement - PS#0037 Compliance Project	140	23-Nov-16 A 23-Nov-16 A	12-Apr-17 A				1						1														
	Design Descrimente contre rifectionnent - riemeter completion riefet	0	20 NOV-10 A	24-Jan-17 A		- ; 🔶 Ē	Jesian Doc	uments	Sent to Pi	rocurem	ent - PS#	±00137 (Complia	ance Pro	ject ;	1	1	: :	1	1	: :	1		1	1 1	1	1	1.1

	ree Schedule - December 2018 Update	Original	Stand	lard Layout w E	Baseline (By Phase) 15-Jan-19 13:16 - Page No. 70 2016 2017 2018 2020 2021 2022 2023
		Duration	otan	TINGT	2010 2010 2010 2010 2010 2010 2020 2021 2021 2022 2022 Q1 Q2 Q3 Q4 Q1 Q2
PS33680	Advertise Bid Package - PS#0037 Compliance Project	0	25-Jan-17 A		Advertisé Bid Packade - P\$#0037 Compliance Project
PS33690	Bid Solicitation Period - PS#0037 Compliance Project	40	25-Jan-17 A	05-Mar-17 A	Bid Solicitation Period - PS#0037 Compliance Project
PS33700	Bids Due - PS#0037 Compliance Project	0	06-Mar-17 A		Bids Due - PS#0037 Compliance Project
PS33710	Bid Review Period - PS#0037 Compliance Project	12	06-Mar-17 A	17-Mar-17 A	Bid Review/Period - PS#0037 Compliance Project
PS33720	Award Recommendation - PS#0037 Compliance Project	0		17-Mar-17 A	Awaid Recommendation - P\$#0037 Compliance Project
PS12572	Procurement - PS#0037 Compliance Project	141	23-Nov-16 A	12-Apr-17 A	Procurement - PS#0037 Compliance Project
PS33730	Final Approvals - PS#0037 Compliance Project	26	18-Mar-17 A	12-Apr-17 A	📕 Final Approvals - PS#0037 Compliance Project
PS72560	P.O. Issued - PS#0037 Compliance Project	0		12-Apr-17 A	P.O. Issued - PS#0037 Compliance Project
Construction		396	09-May-17 A	28-Feb-19	28-Feb-19, Construction
PS33740	Contractor Notice to Proceed (NTP) - PS#0037 Compliance Project	0	09-May-17 A		▲ <u>Contractor Notice to Proceed (NTP)</u> - PS#0037 Compliarice Project
PS12582	Milestone I Construction of PS and FM - PS#0037 Compliance Project	210	09-May-17 A	14-Nov-17 A	Milestone I Construction of PS and FM - PS#0037 Compliance Project
PS12592	Milestone I Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0037 Compliance Project	0		14-Nov-17 A	◆ Milestone I Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0037 Compliance Project
PS72010	Phase II Substantial Completion (Non-Consent Decree) - PS#0037 Compliance Project	0		27-Apr-18 A	Phase II/Substantial Completion (Non-Consent Decree) - PS#0037 Compliance Project
PS40920	Project Closeout - PS#0037 Compliance Project	40	28-Apr-18 A	28-Feb-19*	Project Closeout - PS#0037 Compliance Project
roject Administration	MA OD Desis et Astrois intentione - DOW0007 Occurs lineare Designt	832	05-Oct-15 A	28-Feb-19	Zo-reb-rs, Project Administration
PS35200	WASD Project Administration - PS#0037 Compliance Project	832	05-Oct-15 A	28-Feb-19	WASD.Project Administration ->PS#0037 Compliance Project
• •	n No. 0351 Upgrade	797 89	15-Jan-16 A	30-Jan-19	v oscali istori (2) and called the section production of the sect
Pre-Design PS20340	Pro-Dosian - PS#0351 Llogrado	89	15-Jan-16 A	12-Apr-16 A 12-Apr-16 A	
Engineering Design	Pre-Design - PS#0351 Upgrade	125	15-Jan-16 A 12-Apr-16 A	12-Api-16 A 15-Aug-16 A	Pré-Design - PS#0351 Upgrade
PS50510	30% Design Submittal - PS#0351 Upgrade	53	12-Apr-16 A	03-Jun-16 A	7
PS50520	30% Design Review - PS#0351 Upgrade	7	04-Jun-16 A	10-Jun-16 A	30% Design Submittal - PS#0351 Upgrade
°S50520	90% Design Submittal - PS#0351 Upgrade	56	11-Jun-16 A	05-Aug-16 A	30% Design Review - PS#0351 Upgrade
PS12602	Engineering Design - PS#0351 Upgrade	126	12-Apr-16 A	15-Aug-16 A	90% Design Submittal - P\$#0351 Upgrade
PS50540	90% Design Review - PS#0351 Upgrade	120	06-Aug-16 A	15-Aug-16 A	Engineering Design - P\$#0351 Upgrade
	0070 2000 gill to moust opgiado	196	15-Aug-16 A	27-Feb-17 A	
ermitting PS41750	RER DERM Permit - PS#0351 Upgrade	113	16-Aug-16 A	06-Dec-16 A	7
PS12612	Permitting - PS#0351 Upgrade	113	15-Aug-16 A	27-Feb-17 A	RER DERM Permit - PS#0351 Upgrade
PS41760	Municipal PW Permit - PS#0351 Upgrade	107	24-Oct-16 A	27-Feb-17 A	
°S41780	City of Miami Gardens Building Dept Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A	Municipal PW Permit - PS#0351 Upgrade
PS50760	MDDTPW Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A	City of Miami Gardens Building Dept/Permit - PS#0351 Upgrade
	MDDT-W Femilik - FS#0551 Opgrade				MDDTPW. Permit i PS#0351 Upgrade.
ocurement S33750	Design Documents Sent to Procurement - PS#0351 Upgrade	163	23-Nov-16 A 23-Nov-16 A	05-May-17 A	
PS33760	Submit/Approve SBD Goals and Request to Advertise - PS#0351 Upgrade	70	23-Nov-16 A	31-Jan-17 A	▲ Design Documents Sent to Procurement - PS#0351 Upgrade
				31-Jail-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	09 Mor 17 A	Adventise Bid Package - PS#0351 Upgrade
PS33780	Bid Solicitation Period - PS#0351 Upgrade	36	01-Feb-17 A	08-Mar-17 A	Bid Splicitation Period - PS#0351 Upgrade
PS33790	Bids Due - PS#0351 Upgrade	0	09-Mar-17 A	04 Mar 47 A	♦ Bids Due - ₱S#0351 Uøgrade
PS33800	Bid Review Period - PS#0351 Upgrade	13	09-Mar-17 A	21-Mar-17 A	I Bid Review, Period - PS#0351 Upgrade
PS33810	Award Recommendation - PS#0351 Upgrade	0		21-Mar-17 A	Awaid Recommendation - P\$#0351 Upglade
PS12622	Procurement - PS#0351 Upgrade	164	23-Nov-16 A	05-May-17 A	Procurément - PS#0351 Upgrade
PS33820	Final Approvals - PS#0351 Upgrade	45	22-Mar-17 A	05-May-17 A	📕 Final Approva(s - PS#0351 Up grade
PS72570	P.O. Issued - PS#0351 Upgrade	0		05-May-17 A	PO. tsued - PS#0351 Upgrade
onstruction	Oracles stars Nation to Deserve of (NTD) DO//0054 Listers de	321	05-May-17 A	30-Jan-19	▼ 30-Jan-19, Construction
PS33830	Contractor Notice to Proceed (NTP) - PS#0351 Upgrade	0	05-May-17 A		
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	30-Jan-19*	Project Closedut - PS#0351 Upgrade ▼ 30-Jan-19, Project Administration
oject Administration		668	12-Apr-16 A	30-Jan-19	
2S35190	WASD Project Administration - PS#0351 Upgrade	668	12-Apr-16 A	30-Jan-19	→ WASD Project Administration - PS#0351. Upgrade
. , .	on 0351 FM Replacement	991	16-Jul-18 A	17-May-21	v 17-iniay-21, 5, 17 (2.1) Pump Station 0351 PM Replacement
e-Design	Dro Davian DS#0251 EM Davianment	90	16-Jul-18 A	30-Jan-19	
S723500	Pre-Design - PS#0351 FM Replacement	90	16-Jul-18 A	30-Jan-19 27-Jun-19	□. P/e-Design - PS#0351 FM Replacement. ▼ − − − ▼ 27-Jun-19; Engineering Design
gineering Design S723510	30% Design Submittal - PS#0351 FM Replacement	60	31-Jan-19 31-Jan-19	27-Jun-19 31-Mar-19	
S723510	30% Design Review - PS#0351 FM Replacement	14	01-Apr-19	14-Apr-19	30% Design Submittal- PS#0351 FM Replacement
°S723530	90% Design Submittal - PS#0351 FM Replacement	60	15-Apr-19	13-Jun-19	30% Design Review - PS#0351 FM Replacement
S723540	Engineering Design - PS#0351 FM Replacement	148	31-Jan-19	27-Jun-19	90% Design Submittal - PS#0351 FM Replacement
S723540	90% Design Review - PS#0351 FM Replacement	148	14-Jun-19	27-Jun-19 27-Jun-19	Engineering Desjan - PS#0351 FM Replacement
rmitting		14	28-Jun-19	24-Dec-19	I. 90% Design Review - PS#0351 FM Replacement
S723570	Permitting - PS#0351 FM Replacement	180	28-Jun-19	24-Dec-19	
ocurement	v	240	25-Dec-19	20-Aug-20	Permitting - PS#0351.FM Replacement
S723610	Design Documents Sent to Procurement - PS#0351 FM Replacement	0	25-Dec-19		
S723620	Submit/Approve SBD Goals and Request to Advertise - PS#0351 FM Replacement	60	25-Dec-19	22-Feb-20	Design Documents Sent to Procurement - PS#0351 FM Replacement
S723630	Advertise Bid Package - PS#0351 FM Replacement	0	23-Feb-20		Submit/Approve SBD Goals and Request to Advertise - PS#0351 FM Replacement
S723640	Bid Solicitation Period - PS#0351 FM Replacement	60	23-Feb-20	22-Apr-20	◆ Advertise Bid Package - PS#0351 FM Replacement
S723650	Bids Due - PS#0351 FM Replacement	0	23-Apr-20		Bid Solicitation Period - PS#0351 FM Replacement
PS723660	Bid Review Period - PS#0351 FM Replacement	30	23-Apr-20	22-May-20	● Bids Due - PS#0351 FM Replacement
PS723670	Award Recommendation - PS#0351 FM Replacement	0	20 101 20	22-May-20	Bid Review Period - PS#0351 FM Replacement
PS723670	Awaro Recommendation - PS#0351 FM Replacement Procurement - PS#0351 FM Replacement	240	25-Dec-19	22-May-20 20-Aug-20	Award Recommendation - PS#0351 FM Replacement
		240		-	Procurement - PS#0351 FM Replacement
PS723690	Final Approvals - P S#0351 FM Replacement	90	23-May-20	20-Aug-20	Final Approvals - PS#0351 FM Replacement
PS723700	P.O. Issued - PS#0351 FM Replacement	0	04 4	20-Aug-20	◆ P.O. Issued - PS#0351 FM Replacement
onstruction	Contractor Notice to Droceed (NTD) - DS#0351 EM Deplecement	270	21-Aug-20	17-May-21	┓ ; ; ; ; ; ; ; ; ; ; , , , , , ; ; ; ;
PS723710	Contractor Notice to Proceed (NTP) - PS#0351 FM Replacement	0	21-Aug-20	16 5-6 04	Contractor Notice to Proceed (NTP) - PS#0351 FM Replacement
PS723720	Construction - PS#0351 FM Replacement Commissioning- PS#0351 FM Replacement	180	21-Aug-20	16-Feb-21	Construction - PS#0351 FM Replacement
		30	18-Jan-21	16-Feb-21	

ISD Consent De	ecree Schedule - December 2018 Update Activity Name	Original	Stand	Finish	aseline (By Phase) 2016 2017 2018	15-Jan-19 13:16 - Page No. 7 2019 2020 2021 2022 2023
D	Activity Name	Original Duration	Start	FILISI		Q4 Q1 Q2 Q3 Q4 Q1<
PS723730	Substantial Completion (Non-Consent Decree) - PS#0351 FM Replacement	0		16-Feb-21		◆ Substantial Completion (Non-Consent Decrée) - PS#0351 FM:Replat
PS723740	Project Closeout - PS#0351 FM Replacement	90	17-Feb-21	17-May-21		
.17 (3) Pump Statio	on No. 0370 Upgrade and Installation of FM	856	16-Dec-15 A	31-Jan-19		31-Jan-19, 5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM
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	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 Inst	tallation
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 Insta	llation
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		15-Feb-17 A	15-Feb-17 A, Permitting	
PS50590	RER DERM Permit - PS#0370 Upgrade and FM Installation	105		06-Dec-16 A	RER DERM Permit - PS#0370 Upgrade an	nd FM <mark>I</mark> nstallation
PS50750	Municipal PWD Permit - PS#0370 Upgrade and FM Installation	9	08-Dec-16 A	16-Dec-16 A	Municipal PWD Permit - PS#0370 Upgrad	le 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		ermit PS#0370 Upgrade and FM Installation
PS12712	Permitting - PS#0370 Upgrade and FM Installation	176	•	15-Feb-17 A	Permitting - PS#0370 Upgrade an	
PS50740	MDDTPW Permit - PS#0370 Upgrade and FM Installation	70		15-Feb-17 A	MDDTPW Permit - PS#0370 Upgrade	and IFM Installation
Procurement	Desire Desures to Cast to Desure and DO #0070 I benefits and DM to to the first	135	23-Nov-16 A	06-Apr-17 A		
PS33930	Design Documents Sent to Procurement - PS#0370 Upgrade and FM Installation	0	23-Nov-16 A	04 5-1 47 4	 Design Documents Sent to Procurement - F 	
PS33940	Submit/Approve SBD Goals and Request to Advertise - PS#0370 Upgrade and FM Installation	71		01-Feb-17 A		est to Adventise - PS#0370 Upgrade and FM Installation
PS33950	Advertise Bid Package - PS#0370 Upgrade and FM Installation	0	02-Feb-17 A	00 14 17 1	♦ Advertise Bid Package - PS#0370 Upg	
PS33960	Bid Solicitation Period - PS#0370 Upgrade and FM Installation	36		09-Mar-17 A	Bid Solicitation Period - PS#0370 Up	bgrade and FM Installation
PS33970	Bids Due - PS#0370 Upgrade and FM Installation	0	10-Mar-17 A		◆ Bids Due - PS#0370 Upgrade and F	M Ins <mark>t</mark> allation
PS33980	Bid Review Period - PS#0370 Upgrade and FM Installation	7	10-Mar-17 A	16-Mar-17 A	Bid Review Period - PS#0370 Upgr	ide an <mark>d</mark> FM Installation
PS33990	Award Recommendation - PS#0370 Upgrade and FM Installation	0		16-Mar-17 A	▲ Award Recommendation - PS#0370	
PS12722	Procurement - PS#0370 Upgrade and FM Installation	135	23-Nov-16 A	06-Apr-17 A	Procurement - PS#0370 Upgrac	te an <mark>d</mark> FM Installation
PS34000	Final Approvals - PS#0370 Upgrade and FM Installation	21	17-Mar-17 A	06-Apr-17 A	Final Approvals - PS#0370 Upgrad	le and FM Installation
PS41790	P.O. Issued - PS#0370 Upgrade and FM Installation	0		06-Apr-17 A	P.O. Issued - P\$#0370 Upgrade a	nd FM Installation
Construction		373	12-Apr-17 A	31-Jan-19		▼ 31-Jan-19, Construction
PS34010	Contractor Notice to Proceed (NTP) - PS#0370 Upgrade and FM Installation	0	12-Apr-17 A		 Contractor Notice to Proceed (NTF 	?) - PS#0370 Upgrade and FM Installation
PS12732	Construction - PS#0370 Upgrade and FM Installation	180	12-Apr-17 A	11-Jan-18 A		Construction - PS#0370 Upgrade and FM Installation
PS12742	Substantial Completion (CD Compliance Date 11/20/18) - PS#0370 Upgrade and FM Installation	0		11-Jan-18 A	Substantial Cor	npletion (CD Compliance Date 11/20/18) - PS#0370 Upgrade and FM Installation
PS40950	Project Closeout - PS#0370 Upgrade and FM Installation	70	12-Jan-18 A	31-Jan-19*		
Project Administratio	n	615	12-Apr-16 A	31-Jan-19		Project Closedut - PS#0370 Updrade and FM Installation Value Salue Administration
PS35170	WASD Project Administration - PS#0370 Upgrade and FM Installation	615	12-Apr-16 A	31-Jan-19		WASD Project Administration - PS#0370 Updrade and FM Installation
.17 (4) Pump Statio	on 0403 Upgrade	967	16-Dec-15 A	30-Apr-19		WASD Project Administration - PS#0370 Upgrade and FM Installation. 30-Apr-19, 5:17 (4) Pump Station 0403 Upgrade
Pre-Design		118	16-Dec-15 A	11-Apr-16 A	11-Apr-16 A, Pre-Design	
PS20380	Pre-Design - PS#0403 Upgrade	118	16-Dec-15 A	11-Apr-16 A	Pre-Design - PS#0403 Upgrade 05-Sep-16 A, En gineering Design	
Engineering Design		147	11-Apr-16 A	05-Sep-16 A	05-Sep-16 A, En gineering Design	
PS50610	30% Design Submittal - PS#0403 Upgrade	63	12-Apr-16 A	13-Jun-16 A	30% Design Submittal - PS#0403 Upgrade	
PS50640	30% Design Review - PS#0403 Upgrade	37		20-Jul-16 A	30% Design Review + PS#0403 Upgrade	
PS50650	90% Design Submittal - PS#0403 Upgrade	41	21-Jul-16 A	30-Aug-16 A	90% Design Submittal - PS#0403 Upgrade	
PS12802	Engineering Design - PS#0403 Upgrade	148	11-Apr-16 A	05-Sep-16 A	Engineering Design - PS#0403 Upgrade	
PS50660	90% Design Review - PS#0403 Upgrade	6	31-Aug-16 A	05-Sep-16 A		
Permitting		164		16-Feb-17 A	16-Feb-17 A, Permitting	
PS50620	RER DERM Permit - PS#0403 Upgrade	74	05-Sep-16 A	17-Nov-16 A	RER DERM Permit - PS#0403 Upgrade	
PS50720	MDDTPW Permit - PS#0403 Upgrade	19	08-Dec-16 A	26-Dec-16 A	MDDTPW:Permit - PS#0403 Upgrade	
PS12812	Permitting - PS#0403 Upgrade	165	05-Sep-16 A	16-Feb-17 A	Permitting - PS#0403 Upgrade	
PS50630	RER Building Dept. Permit - PS#0403 Upgrade	71	08-Dec-16 A	16-Feb-17 A	RER Building Dept. Permit - PS#0403	Upgrade
Procurement		134	23-Nov-16 A	05-Apr-17 A	05-Apr-17.A, Procurement	
PS34110	Design Documents Sent to Procurement - PS#0403 Upgrade	0			Design Documents Sent to Procurement - F	PS#04 <mark>0</mark> 3 Upgrade
PS34120	Submit/Approve SBD Goals and Request to Advertise - PS#0403 Upgrade	58		19-Jan-17 A	Submit/Approve SBD Goals and Reque	st to A <mark>dvertise - P\$#0403 Upgrade</mark>
PS34130	Advertise Bid Package - PS#0403 Upgrade (T2290)	0	20-Jan-17 A		♦ Advertise Bid Package - PS#0403 Upgr	
PS34140	Bid Solicitation Period - PS#0403 Upgrade	39		27-Feb-17 A	🔲 Bid Solicitation Period - PS#0403 Up	
PS34150	Bids Due - PS#0403 Upgrade	0	28-Feb-17 A		♦ Bids Due - PS#0403 Upgrade	
PS34160	Bid Review Period - PS#0403 Upgrade	9	28-Feb-17 A	08-Mar-17 A	Bid Review Period - PS#0403 Upgra	de
PS34170	Award Recommendation - PS#0403 Upgrade	0		08-Mar-17 A	♦ Award Recommendation - PS#0403	
PS12822	Procurement - PS#0403 Upgrade	134	23-Nov-16 A	05-Apr-17 A	Procurement - PS#0403 Upgrad	
PS34180	Final Approvals - PS#0403 Upgrade	28	09-Mar-17 A	05-Apr-17 A	🔲 Final Approvals - PS#0403 Upgrad	e
PS41800	P.O. Issued - PS#0403 Upgrade	0		05-Apr-17 A	♦ P.Q. Issued - PS#0403 Upgrade	
onstruction		478	18-Apr-17 A	30-Apr-19		30-Apr-19, Construction
PS34190	Contractor Notice to Proceed (NTP) - PS#0403 Upgrade	0	18-Apr-17 A		Contractor Notice to Proceed (NTI)	P) - P <mark>S</mark> #0403 Upatade
PS12842	Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0403 Upgrade	0		30-Apr-18 A		tial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0403 Upgrade
PS12832	Construction - PS#0403 Upgrade	180	18-Apr-17 A	30-Apr-18 A		Construction - PS#0403 Upgrade
PS72020	Substantial Completion (Generators) - PS#0403 Upgrade	0		23-May-18 A	♦ Subst:	Intial Complétion (Generators) - PS#0403 Upgrade
PS40970	Project Closeout - PS#0403 Upgrade	70	01-May-18 A	30-Apr-19*		
Project Administration	n	622	11-Apr-16 A	30-Apr-19		Project Closeout - P\$#0403 Upgrade . 30-Apr-19, Project Administration
PS35150	WASD Project Administration - PS#0403 Upgrade	622	11-Apr-16 A	30-Apr-19		WASD Project Administration - PS#0403 Undrade
18 Upgrade of P	PS#0441, 0491, 0710, 0827, 0852, 1236	1131	08-Nov-16 A	13-Dec-19		WASD Project Administration - PS#0403 Updrade 13-Dec-19,5.18 Upgrade of PS#0441, 0491, 0710, 0827, 0852, 1236
ngineering Design		357	09-Mar-17 A	30-Sep-17 A	30-\$ep-17 A, Engineel	ring D <mark>e</mark> sign
PS71790	EPA Start Date for Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0	31-Mar-17 A			
PS10710	Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	357	09-Mar-17 A	23-Aug-17 A		sian - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236 Jpgrade PS#0441, 0491, 0710, 0827, 0852, 1236
		0		30-Sep-17 A		
					▲ EDA' Compliance Data'	
PS51480	EPA Compliance Date for Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	324	10-Jul-17 A	13-Jun-18 A	Ta-lis	for Engineering Design - Upgrade P\$#0441.0491.0710.0827.0852.1236

	cree Schedule - December 2018 Update		Stand	ard Layout w Ba	seline (By Phase) 15-Jan-19 13:16 - Page No. 72
D	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 24 25
PS51490	EPA Compliance Date for Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		30-Jan-18 A	<u><u>a</u>1 <u>a</u>2 <u>a</u>3 <u>a</u>4 <u>a</u>1 <u>a</u>3 <u>a</u>3 <u>a</u>4 <u>a</u>1 <u>a</u>3 <u>a</u>3 <u>a</u>4 <u>a</u>1 <u>a</u>3 <u>a</u>3 <u>a</u>4 <u>a</u>1 <u>a</u>3 <u>a</u>3 <u>a</u>3 <u>a</u>3 <u>a</u>3 <u>a</u>3 <u>a</u>3 <u>a</u>3</u>
PS10730	Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	324	10-Jul-17 A	13-Jun-18 A	◆ EPA Compliance Date for Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236
rocurement	· ····································	485	08-Oct-17 A	23-Aug-18 A	23-Aug-18 A, Producement
PS71810	EPA Start Date for Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0			♦ EPA Start Date for Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236
PS51500	EPA Compliance Date for Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		06-Apr-18 A	♦ EPA Compliance Date for Procurement + Upgrade P\$#0441, 0491, 0710, 0827, 0852, 1236
S10740	Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	357	06-Feb-18 A	23-Aug-18 A	Procurement - Upgrade #5#0441, 0491, 0491, 070, 0822, 1236
nstruction		682	12-Dec-17 A	13-Dec-19	13-Dec-19, Construction
S71820	EPA Start Date for Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0	06-Apr-18 A		♦ EPA Start Date or Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236
S10760	Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	443	12-Dec-17 A	19-Jun-19	Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236
S10840	Substantial Completion (CD Compliance Date 12/13/19) - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		19-Jun-19*	Substantial Completion (CD Compliance Date 12/13/19) - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236
S51510	EPA Compliance Date for Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		13-Dec-19*	
8 (1) Pump Statio	on 0441 Upgrade	1004	08-Nov-16 A	08-Aug-19	
e-Design		140	08-Nov-16 A	27-Mar-17 A	27-Mar-17;A, Pre-Design
520390	Pre-Design - PS#0441 Upgrade	140	08-Nov-16 A	27-Mar-17 A	Pre-Design - PS#0441 Upgrade
jineering Design		111	28-Mar-17 A	17-Jul-17 A	V 17-Jul-1/ A, Engineering Design
572230	30% Design Submittal - PS#0441 Upgrade	23		19-Apr-17 A	📕 30½ Design Submittial - PS#0441 Upgrade
572240	30% Design Review - PS#0441 Upgrade	14	•	03-May-17 A	📱 30% Design Review;- PS#0441 Upgra <mark>e</mark> e
672250	90% Design Submittal - PS#0441 Upgrade	58	,	30-Jun-17 A	90% Design Submittal - PS#0441 Upgrade
512852	Engineering Design - PS#0441 Upgrade	112		17-Jul-17 A	Engineering Design - PS#04#1 Upgrade
672260	90% Design Review/Permit Ready Submittal - PS#0441 Upgrade	17		17-Jul-17 A	□
mitting	REP/DERM Permit - PS#0/1/1 Lborade	311 106	18-Jul-17 A 18-Jul-17 A	15-Mar-18 A 15-Nov-17 A	
672270 672810	RER/DERM Permit - PS#0441 Upgrade MDC Public Works Permit - PS#0441 Upgrade			08-Feb-18 A	RER/DERM Permit- PS#0441 Upgrade
572810 572280	County Bidg Dept Permit - PS#0441 Upgrade	49	02-Feb-18 A 14-Dec-17 A	08-Feb-18 A 05-Mar-18 A	MDC Public Works Permit - PS#0441 Upgrade
				15-Mar-18 A	County Bldg Dept Permit - PS#0441 Upgrade
\$12862 \$72300	Permitting - PS#0441 Upgrade Miarni Gardens Public Works Permit - PS#0441 Upgrade	155 49		15-Mar-18 A	Permitting - PS#0441 Upgrade
572300 572290	Miami Gardens Bidg Dept Permit - PS#0441 Upgrade	49		15-Mar-18 A	Miami Gardens Public Works:Permit - PS#0441 Upgrade
curement	Wilanii Galuens Blug Dept Feiniit - F 3#0441 Opglaue	189		24-Aug-18 A	I. Miami Gardens Bldo Dept Permit - PS#0441 Upprade ✓ 24-Aug-18 A, Procurem ent
671860	Internal Bid Package Review - PS#0441 Upgrade	8	29-Jan-18 A	05-Feb-18 A	
634200	Design Documents Sent to Procurement - PS#0441 Upgrade	0			I Internal Bid Package Review - PS#0441 Upgrade
634210	Submit/Approve SBD Goals and Request to Advertise - PS#0441 Upgrade	30		21-Feb-18 A	◆ Design Documents Sent to Procurement - PS#0441 Upgrade
34220	Advertise Bid Package - PS#0441 Upgrade	0	22-Feb-18 A		Submit/Approve SBD Goals and Request to Advertise - PS#0441 Ubgrade
34230	Bid Solicitation Period - PS#0441 Upgrade	45		17-May-18 A	♦ Advertise Bid Package - PS#0441 Upgrade
634240	Bids Due - PS#0441 Upgrade	0		in may rort	Bid Solicitation Period - PS#0441 Upgrade
634250	Bid Review Period - PS#0441 Upgrade	15		12-Jul-18 A	♦ Bids Die - P\$#0441 Upgrade
634260	Award Recommendation - PS#0441 Upgrade	0	,	12-Jul-18 A	Bid Review Period - PS#0441 Upgrade
634270	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0441 Upgrade	30	13-Jul-18 A	23-Aug-18 A	♦ Award Recommendation - PS#0441 Upgrade
612872	Procurement - PS#0441 Upgrade	120		24-Aug-18 A	Final Approvals (BCC, Mayor, Risk Mcmt.) - PS#0441 Upgrade Procurement - PS#0441 Upgrade
nstruction		331	24-Aug-18 A	08-Aug-19	✓ Øβ-Aug-19, Construction
S34280	Contractor Notice to Proceed (NTP) - PS#0441 Upgrade	0			◆ Contractor Notice to Proceed (NTP) - PS#0441 Upgrade
S12882	Construction - PS#0441 Upgrade	300	24-Aug-18 A	19-Jun-19	Contractor voltee (prioceed (priocee
6723080	Commissioning - PS#0441 Upgrade	60	21-Apr-19	19-Jun-19	Commissioning -/PS#0441 Upgrade
512892	Substantial Completion (CD Compliance Date 12/13/19) - PS#0441 Upgrade	0		19-Jun-19*	♦ Substantial Completion (CD Compliance Date 12/13/19) - PS#0441 Upgrade
540980	Project Closeout - PS#0441 Upgrade	50	20-Jun-19	08-Aug-19*	
ect Administration		664	28-Mar-17 A	08-Aug-19	Project Closeout - PS#0441 Upgrade 08-Aug-19, Project Administration
635140	WASD Project Administration - PS#0441 Upgrade	664	28-Mar-17 A	08-Aug-19	WASD Project Administration - PS#04411 Ungrade
(2) Pump Statio	on 0491 Compliance Project	546	07-Jul-17 A	30-Jul-19	WASD Project Administration - PS#04#1 Upgrade : 30-Jul-19, 5.18 (2) Pump Station 0491 Compliance Project
struction		546	07-Jul-17 A	30-Jul-19	▼ 30-Jul-19, Construction
34370	Phase II (Non-Consent Decree) Transferred to WASD - PS#0491 Compliance Project	0		07-Jul-17 A	Phase II (Non-Consent Decree) Transferred to WASD - PS#0491 Compliance Protect
12932	Phase I Construction (VI) - PS#0491 Compliance Project	365	12-Dec-17 A	01-May-19	Phase I Construction (VII) - PS#0491 Compliance Project
512942	Phase I Substantial Completion (CD Compliance Date 12/13/19) - PS#0491 Compliance Project	0		01-May-19*	♦ Phase I Substantial Completion (CD Compliance Date 12/13/19) - PS#0491 Compliance Project
40990	Project Closeout - PS#0491 Compliance Project	90	02-May-19	30-Jul-19*	Project Closeout - PS#0491 Compliance Project
ect Administration		425		30-Jul-19	v 30-Jul-19, Project Administration
35130	WASD Project Administration - PS#0491 Compliance Project	425	12-Dec-17 A	30-Jul-19	WA SD Project Administration - PS#0491 Compliance Project
	on 0710 Compliance Project	986		04-Aug-19	
Design	Des Desien - DC40740 Compliance Desi	91	22-Nov-16 A	20-Feb-17 A	20-FeB-17 A, Pre-Design
S20410	Pre-Design - PS#0710 Compliance Project	91	22-Nov-16 A	20-Feb-17 A	Pre-Design - PS#0710 Compliance Rroject
ineering Design	20% Decige Submittel DS#0710 Compliance Decise	155	21-Mar-17 A	23-Aug-17 A	
572310 572320	30% Design Submittal - PS#0710 Compliance Project 30% Design Review - PS#0710 Compliance Project	10		05-Jun-17 A 15-Jun-17 A	30% Design Submittal - PS#0710 Compliance Project
72320				15-Jun-17 A 18-Jul-17 A	30% Design Review - PS#0710 Compliance Project
12952	100% Design Submittal - PS#0710 Compliance Project Engineering Design - PS#0710 Compliance Project	33		18-Jui-17 A 23-Aug-17 A	100% Design Submittal - PS#0710 Compliance Project
72340	100% Design Review/Permit Ready Submittal - PS#0710 Compliance Project	36	21-Mai-17 A 19-Jul-17 A	23-Aug-17 A 23-Aug-17 A	Engineering Design - PS#0710 Compliance Project
	10070 Bodyn Romowyr onnie ridaug Gubrilleai - r Grof 10 Ouriplianob Flujece	194	24-Aug-17 A	23-Aug-17 A 15-Mar-18 A	100% Design Review/Permit Ready Submittal - PS#0710 Compliance Project
nitting 572350	RER/DERM Permit - PS#0710 Compliance Project	69		19-Dec-17 A	
72370	Public Works Permit - PS#0710 Compliance Project	49	0	19-Dec-17 A	RER/DERM Permit - P\$#0710 Compliance Project
12962	Permitting - PS#0710 Compliance Project	109		15-Mar-18 A	I Public Works Permit - PS#0710 Compliance Project
572360	County Bldg Dept Permit - PS#0710 Compliance Project	49	0	15-Mar-18 A	Permitting - PS#0710 Compliance Project;
curement	···· / -9 · · · · · · · · · · · · · · · ·	138	29-Jan-18 A	23-Jul-18 A	. Courity Bldb Depl Perrit - PS#0710 Compliance Project
571880	Internal Bid Package Review - PS#0710 Compliance Project	8	29-Jan-18 A	05-Feb-18 A	
534380	Design Documents Sent to Procurement - PS#0710 Compliance Project	0			Internal:Bid Package Review - PS#0710 Compliance Project
534390	Submit/Approve SBD Goals and Request to Advertise - PS#0710 Compfance Project	30		27-Feb-18 A	Design Documents Sent to Producement - PS#0710 Compliance Project Substitution - Site and Particut to Advirting - IPC#0720 Compliance Project
S34400	Advertise Bid Package - PS#0710 Compliance Project	0			Submit/Approve SBD Gdals and Request to Advertise -IPS#0710 Compliance Project
	Bid Solicitation Period - PS#0710 Compliance Project	36		18-Apr-18 A	◆ Adventise Bid Package - PS#0710 Compliance Project
S34410					🔲 Bid Solicitation Period - PS#0710 Compliance Project

	Activity Name		dard Layout w Bas	
ID	Activity Name	Original Start Duration	Finish	2016 2017 2018 2019 2020 2021 2022 2023 1 01 02 03 04 01 03 04 01 <td< th=""></td<>
PS34430	Bid Review Period - PS#0710 Compliance Project	15 19-Apr-18 A	17-May-18 A	■ Bid ReView Period + PS#0710 Compliance Project:
PS34440	Award Recommendation - PS#0710 Compliance Project	0	17-May-18 A	♦ Award Recommendation: - PS#0710 Compliance Project
PS12972	Procurement - PS#0710 Compliance Project	120 06-Feb-18 A	23-Jul-18 A	Procurement - IPS#0710 Compliance Project
PS34450	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0710 Compliance Project	30 18-May-18 A	23-Jul-18 A	Final Approvals (BCC, Mayor, Risk Mont.) - PS#0710 Compliance Project
Construction		339 20-Aug-18 A	04-Aug-19	04-Aug-19, Construction
PS34460	Contractor Notice to Proceed (NTP) - PS#0710 Compliance Project	0 20-Aug-18 A		
PS12982	Construction - PS#0710 Compliance Project	300 20-Aug-18 A	15-Jun-19	Construction - PS#0710 Compliance Project
PS723090	Commissioning - PS#0710 Compliance Project	60 17-Apr-19	15-Jun-19	
PS12992	Substantial Completion (CD Compliance Date 12/13/19) - PS#0710 Compliance Project	0	15-Jun-19*	◆ Substantial Completion (CD Compliance Date 12/13/19) - PS#0710 Compliance Project
PS41000	Project Closeout - PS#0710 Compliance Project	50 16-Jun-19	04-Aug-19*	Project Closedut - PS#0710 Compliance Project
Project Administration		718 21-Mar-17 A	04-Aug-19	V 04-Aug 19, Project Administration
PS35120	WASD Project Administration - PS#0710 Compliance Project	718 21-Mar-17 A	04-Aug-19	WASD Project Administration - PS#0710 Compliance Project ✓ 21-Jul-19, 5.18 (4) Pump Station;0827 Compliance Project
	on 0827 Compliance Project	958 06-Dec-16 A	21-Jul-19	V 21 duris, s. id (4) rump statutionszi compliance i roject
Pre-Design PS20430	Pre-Design - PS#0827 Compliance Project	94 06-Dec-16 A 94 06-Dec-16 A	09-Mar-17 A 09-Mar-17 A	
	rie-Design - r 3#0027 Compliance rioject	122 09-Mar-17 A	09-Jul-17 A	
Engineering Design PS72380	30% Design Submittal - PS#0827 Compliance Project	42 09-Mar-17 A	19-Apr-17 A	
PS72390	30% Design Review - PS#0827 Compliance Project	14 20-Apr-17 A	03-May-17 A	30% Design Submittal - PS#0827 Compliance Project
PS72400	100% Design Submittal - PS#0827 Compliance Project	· · ·	26-Jun-17 A	30% Design Review - PS#0827 Compliance Project
PS72400 PS13052	Engineering Design - PS#0827 Compliance Project	54 04-May-17 A 123 09-Mar-17 A	26-Jul-17 A	100% Design Submittal - PS#0827 Compliance Project
PS72410	100% Design Review/Permit Ready Submittal - PS#0827 Compliance Project	123 09-177 A	09-Jul-17 A	Engineering Design - PS#0827 Compliance Project
	100 / Design Nevrew/Fennik Neauy Submiklar - FS#0027 Winipilance Mujeci	13 27-Jun-17 A 270 10-Jul-17 A		
Permitting PS72440	Public Works Permit - PS#0827 Compliance Project	270 10-Jul-17 A 49 18-Dec-17 A	13-Jun-18 A 19-Dec-17 A	
PS72440 PS72420	RER/DERM Permit - PS#0827 Compliance Project	114 10-Jul-17 A	05-Jan-18 A	I. Public Works Permit - PS#0827 Compliarice Project
PS72420 PS13062				RER/DERM Permit - FS#0827 Compliance Project
PS13062 PS72430	Permitting - PS#0827 Compliance Project County Bldg Dept Permit - PS#0827 Compliance Project	154 10-Jul-17 A 49 19-Jan-18 A	13-Jun-18 A 13-Jun-18 A	Permitting PS#0827 Compliance Project
	County Blog Dept Permit - PS#0627 Compliance Project			Courty Bldo Dept Permit - PS#0827 Compliance Project
Procurement PS71890	Internal Bid Package Review - PS#0827 Compliance Project	125 28-Feb-18 A 5 28-Feb-18 A	29-Jun-18 A 04-Mar-18 A	
PS34560	Design Documents Sent to Procurement - PS#0827 Compliance Project	0 05-Mar-18 A	04-IVIAI-10 A	Internal Bid Packape Review - PS#0827 Compliance Project
PS34500 PS34570		30 05-Mar-18 A	18-Mar-18 A	Design Documents Sent to Procurement - PS#0827 Compliance Project
	Submit/Approve SBD Goals and Request to Advertise - PS#0827 Compliance Project		To-Ivial-To A	Submit/Approve SBD Goals and Request to Adventise - PS#0827 Compliance Project
PS34580	Advertise Bid Package - PS#0827 Compliance Project	e remarient	10.4==10.4	Advertise Bid Parkage - PS#0827 Compliance Project
PS34590	Bid Solicitation Period - PS#0827 Compliance Project	45 19-Mar-18 A	19-Apr-18 A	🛑 Bid Solicitation Period - PS#0827; Compliance Project
PS34600	Bids Due - PS#0827 Compliance Project	0 20-Apr-18 A		◆ Bids Due - PS#0827 Compliance Project
PS34610	Bid Review Period - PS#0827 Compliance Project	15 20-Apr-18 A	22-May-18 A	Bid Review Period PS#0827 Compliance Project
PS34620	Award Recommendation - PS#0827 Compliance Project	0	22-May-18 A	♦ Award Reconnendation - PS#0827 Compliance Project
PS13072	Procurement - PS#0827 Compliance Project	120 05-Mar-18 A	29-Jun-18 A	Proçurement - PS#0827 Compliance Project
PS34630	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0827 Compliance Project	30 23-May-18 A	29-Jun-18 A	Final Approvals (BCC, Mavor, Risk Mgmt.) - PS#0827.Compliance Project.
Construction		325 06-Aug-18 A	21-Jul-19	21Jul-19, Construction
PS34640	Contractor Notice to Proceed (NTP) - PS#0827 Compliance Project	0 06-Aug-18 A		
PS13082	Construction - PS#0827 Compliance Project	300 06-Aug-18 A	01-Jun-19	Construction - PS#0827 Compliance Project
PS723100	Commissioning - PS#0827 Compliance Project	60 03-Apr-19	01-Jun-19	Commissioriing - PS#0827 Compliance Project
PS13092	Substantial Completion (CD Compliance Date 12/13/19) - PS#0827 Compliance Project	0	01-Jun-19*	◆ Substantial Completion (CD Compliance Date 12/13/19) - PS#0827 Compliance Project
PS41020	Project Closeout - PS#0827 Compliance Project	50 02-Jun-19	21-Jul-19*	Project Closeout - PS#0827 Compliance Project
Project Administration		730 09-Mar-17 A	21-Jul-19	✓ 21-Jul-19, Project Administration
PS35110	WASD Project Administration - PS#0827 Compliance Project	730 09-Mar-17 A	21-Jul-19	WASD Project Administratión - PS#0827 Compliance Project
., .	on 0852 Compliance Project	937 06-Dec-16 A	30-Jun-19	
Pre-Design		112 06-Dec-16 A	27-Mar-17 A	27-Mar-17 A, Pre-Desgn
PS20450	Pre-Design - PS#0852 Compliance Project	112 06-Dec-16 A	27-Mar-17 A	. Pre-Design PS#0852 Compliance Project
Engineering Design	2004 Destar Ortherittet, DOW0050 Osmalisers Destart	134 28-Mar-17 A	09-Aug-17 A	
PS72450	30% Design Submittal - PS#0852 Compliance Project	49 28-Mar-17 A	15-May-17 A	30% Design Submittal - PS#0852 Compliance Project
PS72460	30% Design Review - PS#0852 Compliance Project	10 16-May-17 A	25-May-17 A	30% Design Review - PS#0852 Compliance Project
PS72470	100% Design Submittal - PS#0852 Compliance Project	67 26-May-17 A	31-Jul-17 A	100% Design Submittal - PS#0852 Complianœ Project
PS13152	Engineering Design - PS#0852 Compliance Project	135 28-Mar-17 A	09-Aug-17 A	Engineering Design - PS#0852 Compliance Project
PS72480	100% Design Review/Permit Ready Submittal - PS#0852 Compliance Project	9 01-Aug-17 A	09-Aug-17 A	. I. 100% Desian, Review/Permit Ready, Submittal - PS#0852 Compliance Project.
Permitting	Public Work Domit DS#0052 Compliance Draiget	261 10-Aug-17 A	30-Mar-18 A	
PS72510	Public Work Permit - PS#0852 Compliance Project	49 18-Dec-17 A	21-Dec-17 A	I Public Work Permit - P <mark>S</mark> #0852 Compliance Project
PS72490	RER/DERM Permit - PS#0852 Compliance Project	82 10-Aug-17 A	29-Jan-18 A	RER/DERM Permit - PS#0852 Compliance Project
PS13162	Permitting - PS#0852 Compliance Project	142 10-Aug-17 A	30-Mar-18 A	Permitting - PS#0852 Compliance Project
PS72500	County Bldg Dept Permit - PS#0852 Compliance Project	49 19-Feb-18 A	30-Mar-18 A	
Procurement	Internal Did Dodrago Daviour DS#0050 Compliance Deviat	123 02-Mar-18 A	02-Aug-18 A	
PS71900	Internal Bid Package Review - PS#0852 Compliance Project	3 02-Mar-18 A	04-Mar-18 A	I Internal Bid Package Review - PS#0852 Compliance Project
PS34740	Design Documents Sent to Procurement - PS#0852 Compliance Project	0 05-Mar-18 A	25 Mar 10 A	♦ Design Documents Sent to Procurement - PS#0852 Compliance Project
PS34750	Submit/Approve SBD Goals and Request to Advertise - PS#0852 Compliance Project	30 06-Mar-18 A	25-Mar-18 A	Submit/Approve SBD Goals and Request to Advertise - PS#0852 Compliance Project
PS34760	Advertise Bid Package - PS#0852 Compliance Project	0 26-Mar-18 A	05 4 40 4	♦ Advertise Bid Package - PS#0852 Compliance Project
PS34770	Bid Solicitation Period - PS#0852 Compliance Project	45 26-Mar-18 A	25-Apr-18 A	Bid Solicitation Period - PS#0852 Compliance Project
PS34780	Bids Due - PS#0852 Compliance Project	0 26-Apr-18 A		◆ Bids Due - PS <mark>#</mark> 0852 Compliance Project
PS34790	Bid Review Period - PS#0852 Compliance Project	15 26-Apr-18 A	31-May-18 A	Bid Review Period - PS#0852 Compliance Project
PS34800	Award Recommendation - PS#0852 Compliance Project	0	31-May-18 A	🔶 Award Recommendation - PS#0852 Compliance Project
PS13172	Procurement - PS#0852 Compliance Project	120 05-Mar-18 A	02-Aug-18 A	Procurement + PS#0852 Compliance Project
PS34810	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0852 Compliance Project	30 01-Jun-18 A	02-Aug-18 A	- Final Approvals (BCC, Mayor, Risk Momt.) - PS#0852 Compliance Project
onstruction		274 04-Sep-18 A	30-Jun-19	✓ 30-Jun-19, Construction
PS34820	Contractor Notice to Proceed (NTP) - PS#0852 Compliance Project	0 04-Sep-18 A		Contractor Notice to Proceed (NTP) - PS#0852 Compliance Project
PS13182	Construction - PS#0852 Compliance Project	250 04-Sep-18 A	11-May-19	Construction - PS#0852 Compliance Project
PS723110	Commissioning - PS#0852 Compliance Project	60 13-Mar-19	11-May-19	Commissioning - PS#0852 Compliance Project
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		Duration	Otan		Q1 Q2		Q4 Q1							4 Q1		Q4		2 Q3 Q4					
PS41040	Project Closeout - PS#0852 Compliance Project	50	•	30-Jun-19*				<u>.</u>					Project	Closeout - 19, Projec	PS#085	2 Compl	iance Pro	iect					
Project Administration PS35100	WASD Project Administration - PS#0852 Compliance Project	712		30-Jun-19 30-Jun-19				1					1 1	1 1	1	1 1		1 1					
	n 1236 Compliance Project		01-May-17 A	01-May-17 A				▼ 01	-May-17A,5	5.18 (6) Pu	imp Station 1	236 Compli	■ WASD ance Proje	Project Ad	lministrati	on - PS#	0852 <u>;</u> Co	mpliance: Proje	э с t	• • • • • • • • • • • • • • • • • • • •		+	
Construction	· · · · · · · · · · · · · · · · · · ·		01-May-17 A	01-May-17 A		++			-May-17 A, C						•••••	+				-+			
PS13242	Phase I Substantial Completion Inspection (CD Compliance Date 12/13/19) - PS#1236 Compliance Project	0		01-May-17 A				♦ Ph	nase I Substa TU Upgrades	antial Com	pletion Inspe	ction (CD Co	mpliance	Date 12/13	3/19) - PS	\$#1236	Complian	ce Proiect					
5.19 SCADA RTU U	pgrades	899	01-Oct-13 A	18-Mar-16 A				1 1	TU Upgrades														
Construction		899		18-Mar-16 A	18-M	/ar-16 A,	Construc	ction															
PS71830	EPA Start Date for Construction - PS SCADA RTU Upgrades	0	01-Oct-13 A		irades																		
PS10020	Construction - PS SCADA RTU Upgrades	784	01-Oct-13 A	23-Nov-15 A	Cons	struction ·	- PS SCA	ADA RTI	U Upgrades														
PS10530	Substantial Completion (CD Compliance Date 3/18/16) - PS SCADA RTU Upgrades	0		23-Nov-15 A	Substantial C	completio	on (CD C	omplian	nce Date 3/18	3/16) - PS	SCADA RTU	Upgrades											
PS51520	EPA Compliance Date for Construction - PS SCADA RTU Upgrades	0		18-Mar-16 A					nstruction - PS													<u>.</u>	
Project Administration		783	01-Oct-13 A	23-Nov-15 A		1 1	1			;													
PS72660	WASD Project Administration - PS SCADA RTU Upgrades	784	01-Oct-13 A	23-Nov-15 A	WAS	SD Projec	ct Adminis	stration	- PS \$CADA	RTU Upg	rades			18-Nov	10 6 50	nnleme	tal Envir	onmental Proje	ort				
	Environmental Project	1856	20-Oct-14 A	18-Nov-19											·····	ppierrier						ļļ	
Engineering Design		671	08-Jun-15 A	08-Apr-17 A				08-4	Apr-17 A, Eng	ginæring l	Jesign												
PM10000	Engineering Design - SEP	535	08-Jun-15 A	23-Nov-16 A			Engin	heering	Design - SEP	2													
PM10005	Compliance Milestone Achieved - SEP Design (CD Compliance Date 4/8/2017)	0		08-Apr-17 A					npliance Mile		- 1	1 I I	1	e Date 4/8	/2017)								
PM50190	EPA Compliance Date for Engineering Design - SEP	1436	14-Dec-15 A	08-Apr-17 A 18-Nov-19		<u></u>		. EPA	Compliance	Date for	Engineering.	Design - SEF	>	18-Nov-	19, Const	ruction							
Construction PM50010	Construction Summary - SEP	1436	14-Dec-15 A 14-Dec-15 A	26-Dec-18 A											., 25.101								
PM10015	Substantial Completion - SEP Construction (CD Compliance Date 11/18/19)	0		26-Dec-18 A			:					1 1	1 1	ary - SEP	_		•						
PM50200	EPA Compliance Date for Construction Summary - SEP	0		18-Nov-19*								Substanti				1 1		nce Date 11/18					
	nvironmental Project (SEP)	1686	20-Oct-14 A	26-Mar-19		<u> </u>		<u></u>			+	26-	Mar-19, 6	▼ EPA Col 0 Supplem	nental En	uate for vironmer	tal Proje	tion Summary t (SEP)	1: DEP		+	1	
Pre-Design		230	20-Oct-14 A	07-Jun-15 A	, Pre-Design	1		· · · · · · · · · · · · · · · · · · ·				+									+	+	
PM10190	Pre-Design - SEP	231	20-Oct-14 A	07-Jun-15 A	SEP																		
Engineering Design		534	08-Jun-15 A	23-Nov-16 A	JEF		💙 23-No	ov-16 A,	Engineering	Design												1	
PM20000	Basis of Design Report (BODR) - SEP	99	08-Jun-15 A	14-Sep-15 A	of Design R	Report (B	ODR) - S	EP															
PM20010	BODR Review Period - SEP	53	15-Sep-15 A	06-Nov-15 A	DDR Review	1		7															
PM21111	Negotiate Scope & Fee for Balance of Design - SEP	173	28-Aug-15 A	16-Feb-16 A		1 1		for Bala	ince of Design	n - SEP													
PM20020	30% Design Submittal - SEP	136	17-Feb-16 A	01-Jul-16 A			Design Su	1 1															
PM20030	30% Design Review - SEP	17	02-Jul-16 A	18-Jul-16 A			Design R	1 1															
PM20040	60% Design Submittal - SEP	60	19-Jul-16 A	16-Sep-16 A		: :			mittal + SEP														
PM20050	60% Design Review - SEP	7	17-Sep-16 A	23-Sep-16 A		16	60% Desi	ign Revie	ew - SEP														
PM50360	Engineering Design - SEP	535	08-Jun-15 A	23-Nov-16 A		<u> </u>	Engir	neering	Design - SEP	,													
PM20060	100% Design Submittal - SEP	61	24-Sep-16 A	23-Nov-16 A		i	1.00%	6 Design	n Submittal - Se	SEP												<u> </u>	
Permitting		301	23-Nov-16 A	19-Sep-17 A			1		19-Se	ep-17 A, F	ermitting												
PM50170	FDOT Permit - SEP	97	23-Nov-16 A	27-Feb-17 A	-		—	FDOT	Permit - SEP	,													
PM50150	RER (DERM) Permit - SEP	106		28-Apr-17 A	-			RE	ER (DERM) Pe	ermit - SE	Р												
PM50160 PM50390	MDDTPW Permit - SEP MDC Fire-Derm Permit - SEP	106 60		28-Apr-17 A 17-Aug-17 A	-				DDTPW Perm														
PM10170	Permitting - SEP	301		19-Sep-17 A	-				MDC Fir		1 1												
PM50400	FDOH Permit - SEP	301		19-Sep-17 A	-			1	Permi														
Procurement		606	-	29-Nov-17 A					FDOH	1 Permit - 29-Nov-17	SEP A, Procurem	ent								· • · · · · • • · · · • · · · •	+	+	
PM50420	GMOU submittal and approval - SEP	22		29-Jun-17 A					1 1														
PM50210	Internal Bid Package Review - SEP	15		25-Jul-17 A		1		1 1	GMOU sub			•										1	
PM35010	Design Documents Sent to Procurement - SEP	0	26-Jul-17 A					- 1 - E				1 1	ĊD.										
PM35020	Request to Advertise - SEP	27	26-Jul-17 A	21-Aug-17 A					 Design Do Request 			urement - S	CP										
PM35030	Advertise Bid Package - SEP	0	22-Aug-17 A						 Advertis 														
PM50430	39th Street Construction Easement - SEP	606	01-Nov-16 A	03-Oct-17 A		1					nstruction Ea	ennent - SF	Þ										
PM35040	Bid Solicitation Period - SEP	58	22-Aug-17 A	18-Oct-17 A		i i'					n Period - SE	•	-										
PM35050	Bids Due - SEP	0	19-Oct-17 A							s Due - SE													
PM35060	Bid Review Period - SEP	19	19-Oct-17 A	25-Oct-17 A							eriod - SEP												
PM35070	Award Recommendation - SEP	0		25-Oct-17 A					1 1	1	nmendation	SEP											
PM10180	Procurement - SEP	134	26-Jul-17 A	29-Nov-17 A						Procureme	ent - SEP												
PM35080	Final Approvals (BCC, Mayor, Risk Mgmt.) - SEP	30	26-Oct-17 A	29-Nov-17 A							ovals (BCC, N	layor, Risk N	lgmt.) - SE	P									
PM50140	P.O. Issued - SEP	0		29-Nov-17 A				ļ		P.Q. Issue													
Construction	Or standard helite to De cond (ATD) OF D	518		26-Mar-19					•			26-	Mar-19, C	onstruction									
PM35090	Contractor Notice to Proceed (NTP) - SEP	0	18-Dec-17 A	47.0	-				•	Contracto	or Notice to P	roceed (NTP) - SEP										
PM50560	Construction - SEP Water Supply Line (Non-Consent Decree)	365	18-Dec-17 A	17-Dec-18 A						-				Nater Sup	ply Line (Non-Cor	isent Dec	reė)					
PM10010	Construction - SEP	365	18-Dec-17 A	26-Dec-18 A								1	ion - SEP	- i - i									
PM50570 PM50410	Commissioning - SEP Substantial Completion (CD Compliance Date 11/18/19) - SEP	60	27-Oct-18 A	26-Dec-18 A 26-Dec-18 A	-						-		ioning - SI	1 1									
PM50410 PM10160	SEP Completion Report to EPA	30	31-Dec-18	26-Dec-18 A 29-Jan-19*								1 I I	1 1	tion (CD C	1	e Date 1	1/18/19)	SEP					
PM10160 PM50110	Project Closeout - SEP	30		29-Jan-19* 26-Mar-19*								•	1 1	Report to I									
Project Administration		1403	08-Jun-15 A	26-Mar-19						;		Pro 26-	ject Close Mar-19. P	out - SEP. roject Admi	inistration								
Phoject Administration PM50100	WASD Project Administration - SEP	1403	08-Jun-15 A	26-Mar-19 26-Mar-19				<u> </u>					1										
6.1 SEP (Early Phase	•	848		01-May-17 A				V 01	-May 17 A, 6	6.1 SEP (E	arlyPhase V	V <mark>ork)</mark>	Non Huber	t Administr	auon - SF	÷۲				• • • • • • • • • • • • • • • • • • • •			
Engineering Design		41		20-Jul-15 A	A, Engineer	ring Desi	ign	+				+										+	
PM30000	Design - Early Phase SEP	41		20-Jul-15 A																			
Permitting	• •	3	21-Jul-15 A	23-Jul-15 A	Early Phase A, Permittin	ng ¦						† †	+							• • • • • • • • • • • • • • • • • • • •			
PM30010	Permitting - Early Phase SEP	3	21-Jul-15 A	23-Jul-15 A	n - Forty Dh	Dec CEP	,	1															
Procurement		95		11-Dec-15 A	g - Early Pha 11-Dec-15 A	A, Procur	rement					1								· [· · · ·]			
	Design Documents Sent to Procurement - Early Phase SEP		08-Sep-15 A	1	a i i	. i					- i	1			1			- i	- i	- i	- i	- i - i	1

ASD Consent D	Decree Schedule - December 2018 Update		Standa	ard Layout w B	Baseline (By Phase)									15-Ja	n-19 13	:16 - Page	je No. 75	5 of 75
ty ID	Activity Name	Original	Start	Finish	2016	2017	2018	20)19	2	2020		2021		2022		2023		2024
		Duration			Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	4 Q1 Q2	Q3 Q4	Q1 Q2	Q3 (Q4 Q1	Q2 Q3	Q4 C	1 Q2 Q3	Q4 C	1 Q2 Q	13 Q4	Q1 C
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	and Request to Advertis	e - Farly Phase SFP												
PM35120	Advertise Bid Package - Early Phase SEP	0	28-Sep-15 A		rtise Bid Package - Ear														
PM35130	Bid Solicitation Period - Early Phase SEP	23	28-Sep-15 A	20-Oct-15 A	Solicitation Period - Ea														
PM35140	Bids Due - Early Phase SEP	0	21-Oct-15 A		s Due - Early Phase SE	,													
PM35150	Bid Review Period - Early Phase SEP	9	21-Oct-15 A	29-Oct-15 A	Review Period - Early	i i i i													
PM35160	Award Recommendation - Early Phase SEP	0		29-Oct-15 A	ard Recommendation	Farly Phase SEP													
PM35170	Final Approvals (BCC, Mayor, Risk Mgmt.) - Early Phase SEP	18	30-Oct-15 A	16-Nov-15 A	inal Approvals (BCC M	vor, Risk Momt.) - Early	Phase SEP												
PM50180	P.O. Issued - Early Phase SEP	0		16-Nov-15 A	O. Issued - Early Phase		Thase OET												
PM30020	Procurement - Contractor Bid & Award - Early Phase SEP	95	08-Sep-15 A	11-Dec-15 A	Procurement - Contract	or Bid & Award - Fanly F	hase SEP												
Construction		660	14-Dec-15 A	01-May-17 A	1.0004001100000.00000000	01-May-17 A	Construction												
PM35180	Contractor Notice to Proceed (NTP) - Early Phase SEP	0	14-Dec-15 A		Contractor Notice to Pr	ceed (NTP) - Farly Pha	se SEP												
PM30030	Construction - Early Phase SEP	247	14-Dec-15 A	16-Aug-16 A		uction - Early Phase SE	B S S S S S S S S S S S S S S S S S S S												
PM50120	Project Closeout - Early Phase SEP	413	17-Aug-16 A	01-May-17 A		Project Close	dut - Farly Phase SEP												
Project Administrat	ion	848	09-Jun-15 A	01-May-17 A		01-May-17 A	Project Administration												
PM50090	WASD Project Administration - Early Phase SEP	848	09-Jun-15 A	01-May-17 A			Administration - Farly												

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 - September 2018) Pre-Audit (On an accrual basis for Budget Purposes)

In Thousands	Oct-Sep
Wastewater System	FY 17-18
	YTD Actual
Revenues:	
Wastewater System Operating Revenues	\$388,105
Interest Income	\$5,603
Other Adjustments (net change accruals&payables)	\$0
Transferred From WASD Water Operations (occurs at Year-end flow of funds)	\$0
Total Revenues:	\$393,708
Expenditures:	
Wastewater System Operating & Maintenance Expenditures	(\$243,111)
Debt Service - Existing (net of Swap receipts)	(\$143,869)
Operating Revenues Transferred To Wastewater Renewal & Replacement Capital Fund	(\$55,000)
Operating Revenues Transferred To Bond Required Reserve	(\$3,758)
Transferred To WASD Water Operations	\$0
Total Expenditures Operating and Non-Operating	(\$445,738)
Net Overage/(Deficit) in Wastewater System Revenues (pending transfer from water) [*]	(\$52,030)
% Increase for Net Deficit	0.00%

* YTD ACTUAL Note: Transfers among water and sewer occur at year-end flow of funds entry.

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

Reserve Required By Bond Ordinance Water and Wastewater	\$74,199
Water and Wastewater Rate Stabilization Fund Balance	\$30,534
Water and Wastewater Rate Stabilization Fund Balance	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$57,563
Water System Transfer to/(from) General Reserve	\$9,843

Water and Sewer General Reserve Fund Ending Balance	\$67,406
Wastewater System Transfer to/(from) General Reserve	\$0
Water System Transfer to/(from) General Reserve	\$9,843

Miami-Dade Water and Sewer Department Statement of Revenues, Expenses and Changes in Net Position WASTEWATER - Wastewater Funds For 12 Months Ending September 30, 2018

Report Id: WGL011-9 Run on: 01/03/19 01:29 PM Source: GL

		Unaudited FY 2018		FY 2	017
			Variance		Variance
	Actual	Budget	Fav/(Unfav)	Actual	Fav/(Unfav)
OPERATING REVENUES					
Retail Water	-	-	-	-	-
Retail Wastewater	295,563,765.83	303,747,072.00	(8,183,306.17)	288,909,881.12	6,653,884.71
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	78,424,565.95	73,778,000.00	4,646,565.95	88,937,827.36	(10,513,261.41)
Other Revenues	14,116,436.21	13,576,453.00	539,983.21	13,438,967.30	677,468.91
TOTAL OPERATING REVENUES	388,104,767.99	391,101,525.00	(2,996,757.01)	391,286,675.78	(3,181,907.79)
OPERATING & MAINTENANCE EXPENSES					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	34,048,558.62	33,277,371.11	(771,187.51)	33,456,536.42	(592,022.20)
Sewer Pumping	43,499,331.88	43,334,079.19	(165,252.69)	42,542,930.40	(956,401.48)
Sewer Treatment and Disposal	100,728,223.15	108,596,394.44	7,868,171.29	92,346,695.18	(8,381,527.97)
Customer Accounting	4,950,828.80	3,914,561.92	(1,036,266.88)	4,347,913.79	(602,915.01)
Customer Service	10,535,760.34	10,026,629.94	(509,130.40)	10,746,370.66	210,610.32
General and Administration	49,348,599.03	52,938,315.64	3,589,716.61	48,556,003.53	(792,595.50)
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
TOTAL OPERATING & MAINTENANCE EXPENSES	243,111,301.82	252,087,352.24	8,976,050.42	231,996,449.98	(11,114,851.84)
OPERATING INCOME BEFORE DEPRECIATION	144,993,466.17	139,014,172.76	5,979,293.41	159,290,225.80	(14,296,759.63)
Depreciation	124,835,710.92	125,664,000.00	828,289.08	113,778,807.55	(11,056,903.38)
OPERATING INCOME (LOSS)	20,157,755.25	13,350,172.76	6,807,582.49	45,511,418.26	(25,353,663.00)

Miami-Dade Water and Sewer Department Statement of Revenues, Expenses and Changes in Net Position WASTEWATER - Wastewater Funds For 12 Months Ending September 30, 2018

Report Id: WGL011-9 Run on: 01/03/19 01:29 PM Source: GL

		Unaudited FY 2018		FY 20	017
		112010	Variance		Variance
	Actual	Budget	Fav/(Unfav)	Actual	Fav/(Unfav)
NON-OPERATING REVENUE (EXPENSE)					
Customer Connection Fees	27,821,795.83	-	27,821,795.83	21,223,416.34	6,598,379.49
Other Revenue	(8,183,033.23)	-	(8,183,033.23)	2,247,425.14	(10,430,458.37)
Other Expense	-	-	-	-	-
Change in Fair Value	(4,716,174.08)	-	(4,716,174.08)	(6,818,375.02)	2,102,200.94
Interest Income	6,118,835.21	3,010,660.00	3,108,175.21	2,347,693.38	3,771,141.83
Interest Expense	(74,120,412.88)	(68,010,000.00)	(6,110,412.88)	(70,735,860.37)	(3,384,552.51)
Capitalized Interest	47,417,198.76	45,000,000.00	2,417,198.76	62,191,237.77	(14,774,039.01)
Amortization of Debt Issue	(10,652,687.11)	(4,265,164.00)	(6,387,523.11)	(5,270,616.30)	(5,382,070.81)
Operating Disaster Revenue	-	-	-	-	-
Operating Grants	-	-	-	-	-
Job Order Recovery	555,452.87	-	555,452.87	381,605.77	173,847.10
Job Order Expenses	(628,222.91)	-	(628,222.91)	(547,723.26)	(80,499.65)
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	(5,671,793.73)	5,671,793.73	-	-
Non-O&M Activity	-	-	-	-	-
TOTAL NON-OPERATING REVENUE (EXPENSE)	(16,387,247.54)	(29,936,297.73)	13,549,050.19	5,018,803.45	(21,406,050.99)
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	3,770,507.71	(16,586,124.97)	20,356,632.68	50,530,221.71	(46,759,713.99)
Capital Contributions	11,434,812.71	9,000,000.00	2,434,812.71	13,476,847.23	(2,042,034.52)
INCREASE (DECREASE) IN NET POSITION	15,205,320.42	(7,586,124.97)	22,791,445.39	64,007,068.94	(48,801,748.51)

			Annual	CURRENT	MONTH		YEAR-TO	D-DATE	
			Budget	Actual	Budget	Actual	Budget	Actual	Budget
			2018	2018	2018	2018	2018	2017	2017
OPI	ERATING &	MAINTENANCE EXPENSES							
	100057	OM Activity - GL use only (SC)	506,172	40,068	42,215	746,178	506,172	477,145	439,854
	213005	Security Guard Services (SC)	-	-	-	-	-	-	-
	260004	Security Services (SC)	780,000	86,361	81,666	556,192	780,000	521,545	750,000
	260110	Communications (SC)	1,240,288	26,733	104,552	368,321	1,240,288	338,962	1,221,180
	260402	Damages (SC)	23,730	5,472	2,024	138,231	23,730	131,125	17,558
	320005	Sewer Collection & Trans (SC)	-	-	-	-	-	(63,721)	-
	350105	Construction Mgmt (SC)	-	-	-	-	-	7,046	-
	360002	Sewer Collection & Trans (SC)	-	-	-	135	-	325	-
	520051	Disaster Coordination (SC)	-	-	-	320	-	-	-
	520101	Install. of Elect Equip (SC)	-	-	-	2,693	-	2,006	-
	520521	Grounds Installs/Landscp (SC)	500	-	52	93	500	759	500
	520541	Grounds Maint. Services (SC)	-	180	-	681	-	1,267	-
	520601	Indoor Air Qly Insp Compl (SC)	72,000	-	7,538	2,573	72,000	-	52,000
	520621	Install Mech/Hvac-Refr Eq (SC)	-	(65)	-	2,820	-	9,655	-
	520751	Install. of Plumb Equip (SC)	-	-	-	6	-	215	-
	520777	Maint. of Plumbing Equip (SC)	500	2,403	52	10,165	500	6,361	3,000
	520871	Misc Projects/Tasks (SC)	-	3,375	-	20,629	-	-	-
	520901	Carpentry (SC)	-	-	-	514	-	4,809	-
	520905	Locksmith Services (SC)	-	143	-	143	-	-	-
	520913	Painting (SC)	-	-	-	31	-	1,082	-
	520921	Structural Misc Task (SC)	-	-	-	309	-	11,471	-
	620004	Sewer Collection & Trans (SC)	-	-	-	26,248	-	59,192	65,200
	630117	Sewer Collection & Trans (SC)	5,000	(23,135)	524	-	5,000	-	5,000
	650002	Sewer Collection & Trans (SC)	3,137,245	81,194	317,645	1,108,602	3,137,245	689,010	309,721
	711301	Sewer Meter Related Work (SC)	450,759	281,478	39,051	1,006,925	450,759	662,913	553,935
	711302	Maint Swr Meter Vaults (SC)	-	5,249	-	77,907	-	72,081	-
	810002	Sewer Collection Actv (SC)	-	30,921	-	(189,198)	-	4,207,457	-
	811015	Telemetering/SCADA (SC)	104,125	13,154	9,425	137,934	104,125	206,725	123,400
	840001	Admin. & General (SC)	3,221,708	372,403	419,496	2,694,345	3,221,708	2,429,691	3,464,261
	840002	Facilities Maint (SC)	10,400	-	1,089	10,363	10,400	8,872	10,000
	840101	Cleaning (SC)	3,492,623	243,617	349,816	3,175,065	3,492,623	3,606,533	3,929,052
	840102	Evaluation/Review (SC)	720,377	54,254	60,489	769,856	720,377	630,252	418,071
	840103	Force Main Inspection (SC)	69,885	15,942	5,868	475,083	69,885	445,478	72,886
	840104	Inspection-Repair Shop (SC)	424,219	81,365	42,537	817,169	424,219	718,280	415,284
	840105	Joint Grouting (SC)	1,661,234	257,631	144,314	1,873,111	1,661,234	941,363	1,611,900
	840106	Lateral TV Inspection (SC)	-	117,471	-	977,132	-	440,664	-

		Annual	CURRENT MONTH			YEAR-TO-DATE			
		Budget	Actual	Budget	Actual	Budget	Actual	Budget	
		2018	2018	2018	2018	2018	2017	2017	
840107	Manhole Inspections (SC)	-	(2,672)	-	180,552	-	201,141	-	
840108	Manhole Sealing (SC)	26,000	34,309	2,722	1,516,004	26,000	699,588	17,200	
840109	Metering-Conductivity (SC)	415,191	12,902	37,662	164,956	415,191	176,667	353,133	
840110	Metering-Night Flow (SC)	166,523	41,111	13,984	482,801	166,523	437,232	172,717	
840111	Metering-Pre/Post (SC)	-	-	-	-	-	51,254	-	
840112	Program Inspection (SC)	3,041,170	191,477	255,370	1,677,941	3,041,170	1,531,047	2,954,780	
840113	Pump Station Improv Prog (SC)	-	-	-	_	-	-	50,500	
840114	Smoke Test (SC)	326,749	7,998	27,467	37,203	326,749	(16,602)	198,505	
840116	Wellfield Protect Inspec. (SC)	-	-	-	62,233	-	900,218	-	
840117	I/I Contract - Inspection (SC)	500,000	305,531	52,350	2,858,302	500,000	2,519,651	1,500,700	
840201	Air Rel Valve Maint & Ble (SC)	1,100	(2,855)	115	236,519	1,100	205,479	-	
840202	Aut Air Rel Valve Install (SC)	-	-	-	959	-	1,872	-	
840203	Autom Air Rel Valve Rep (SC)	-	16,059	-	452,929	-	515,672	-	
840204	Dye Tests (SC)	-	6,739	-	33,119	-	19,787	50	
840205	Force Main Installation (SC)	-	-	-	26,022	-	11,241	-	
840206	Force Main Repairs (SC)	762,078	25,917	75,176	425,226	762,078	605,645	1,485,102	
840207	Gravity Main Installation (SC)	-	· -	-	3,821	-	1,139	-	
840208	Gravity Main Point Reps (SC)	7,319,203	357,072	614,468	3,049,074	7,319,203	3,446,582	6,676,913	
840209	Lateral Location (SC)	-	-	-	274	-	18,043	-	
840210	Lateral Point Repairs (SC)	1,854,466	634,486	282,583	2,081,846	1,854,466	1,295,033	112,003	
840211	Maint./Rep-Rep Shop (SC)	310,000	19,315	32,457	129,573	310,000	148,700	243,400	
840212	Manhole Installation (SC)	-	-	-	781	-	18,079	-	
840213	Manhole-Repairs (SC)	-	80,912	-	2,254,414	-	1,226,154	-	
840214	Restoration (SC)	-	84,861	-	783,636	-	732,135	-	
840215	Sewer Lateral Inspection (SC)	-	2,319	-	2,542	-	-	-	
840216	Sewer Lateral Install. (SC)	-	3,577	-	9,118	-	55,947	-	
840217	System Valve Exercising (SC)	1,382,877	102,033	116,122	1,762,219	1,382,877	1,458,664	1,394,925	
840218	System Valve Installation (SC)	-	6,550	-	157,457	-	133,657	-	
840219	System Valve Repair (SC)	-	3,434	-	316,845	-	2,332	-	
840220	I/I Contract - Maint/Repr (SC)	1,200,000	199,456	125,640	472,874	1,200,000	349,690	3,600,000	
840240	Assisting Other Divisions (SC)	-	(4)	-	58,592	-	81,104	-	
850129	Metering (SC)	51,250	-	5,342	149	51,250	60,820	50,250	
Sewer Col		33,277,371	3,826,741	3,269,812	34,048,559	33,277,371	33,456,536	32,272,979	
100058	OM Activity - GL use only (SP)	795,487	63,053	66,344	1,162,445	795,487	748,292	691,264	
212006	Sewer Pumping (SP)	-	11,042	-	124,975	-	-	-	
213006	Security Guard Services (SP)	-	-	-	-	-	-	-	
260005	Security Services (SP)	1,800,000	53,321	188,460	487,391	1,800,000	757,586	1,500,000	

		Annual	CURRENT MONTH		YEAR-TO-DATE			
		Budget	Actual	Budget	Actual	Budget	Actual	Budget
		2018	2018	2018	2018	2018	2017	2017
260120	Communications (SP)	363,499	37,224	30,926	471,990	363,499	438,430	346,498
350102	Construction Mgmt (SP)	-	-	-			962	-
360001	Sewer Pumping (SP)	1,753,706	52,582	157,131	641,269	1,753,706	1,090,939	291,408
520002	Admin. & General (SP)	17,600	<mark>(11,914)</mark>	1,467	21,269	17,600	12,231	-
520102	Install. of Elect Equip (SP)	10,765	-	897	39,538	10,765	69,605	-
<mark>520301</mark>	Fueling/Recovery Deliv (SP)	7,653	9,460	745	(30,024)	7,653	46,351	7,884
520462	Fire Protection System (SP)	-	1,199	-	1,199	-	-	-
520522	Grounds Installs/Landscp (SP)	500	-	52	404	500	2,097	2,106
520542	Grounds Maint. Services (SP)	231,517	89,730	19,882	189,524	231,517	279,741	83,426
520622	Install Mech/Hvac-Refr Eq (SP)	41,000	14,532	4,293	27,269	41,000	19,107	40,000
520662	Maint. of Mech Hvac Equip (SP)	39,600	(26)	4,146	16,116	39,600	16,198	38,100
520778	Maint. of Plumbing Equip (SP)	2,000	2,474	209	12,726	2,000	19,252	4,000
520872	Misc Projects/Tasks (SP)	1,500	(244)	157	20,611	1,500	31,082	1,000
520902	Carpentry (SP)	1,000	-	105	2,779	1,000	30,918	500
520906	Locksmith Services (SP)	-	-	-	100	-	1,078	-
520910	Masonry (SP)	-	-	-	789	-	354	-
520914	Painting (SP)	-	-	-	3,504	-	20,457	-
520922	Structural Misc Task (SP)	1,500	6,555	157	43,351	1,500	101,951	2,000
630111	Tank Maintenance Work (SP)	-	-	-	-	-	7,476	-
630112	Hazardous Waste Disposal (SP)	-	15,010	-	15,010	-	1,743	-
630114	Sewer Pumping (SP)	490,900	27,797	51,397	74,380	490,900	164,900	219,600
650001	Sewer Pumping (SP)	-	_	-	23,837	-	_	234,464
810001	Sewer Pumping Activities (SP)	-	9,014	-	(32,771)	-	592,927	50
811016	Telemetering/SCADA (SP)	1,846,594	159,108	167,818	2,133,299	1,846,594	2,203,567	1,915,679
830001	Adm&Gnl (SP)	2,237,868	145,204	256,667	1,964,492	2,237,868	1,625,700	1,969,643
830002	Adm&Gnl-Admin Support (SP)	1,173,082	35,450	98,503	451,472	1,173,082	337,087	335,374
830003	Adm&Gnl-Training (SP)	19,900	639	2,084	17,096	19,900	29,666	21,460
830004	Adm&Gnl-Supv (SP)	202,650	10,093	17,450	199,543	202,650	199,573	189,668
830005	Adm&Gnl-Other (SP)	352,088	88,592	35,316	1,153,239	352,088	1,224,205	1,558,867
830101	Odor Ctrl-Maintenance (SP)	-	-	-	-	-		66,100
830200	Operations (SP)	-	5,101	-	77,215	-	74,887	-
830201	OP-Shutdowns (SP)	100	-	8	1,389	100	-	-
830203	OP-Supv (SP)	1,022,215	87,939	85,718	985,978	1,022,215	1,095,392	1,051,831
830204	OP-Engineering (SP)	-			228	-	-	1,001,001
830205	OP-Operations (SP)		9,173		190,474		103,284	
830206	OP-Other (SP)	6,187,334	151,003	520,049	1,919,186	6,187,334	2,374,239	6,156,820
830300	Equipment (SP)	7,255,300	362,391	632,229	6,046,362	7,255,300	6,345,460	6,233,650
830301	Equip-Routine (SP)	5,111,784	247,845	433,705	3,611,311	5,111,784	3,353,500	4,942,999
000001		5,111,704	277,073	400,700	3,011,311	3,111,704	0,000,000	4,042,000

		Annual	CURRENT MONTH			YEAR-TO-DATE			
		Budget	Actual	Budget	Actual	Budget	Actual	Budget	
		2018	2018	2018	2018	2018	2017	2017	
020202		22.400	40.005	2.250	700 005	22,400	267 664	10,000	
830302	Equip-Preventive (SP)	32,100	48,625	3,359	728,225	32,100	367,661	19,000	
830303	Equip-Predictive (SP)	900	2,571	94	42,985	900	27,453	3,500	
830304	Equip-Corrective (SP)	6,159,010	1,296,863	606,341	13,529,248	6,159,010	11,445,552	4,847,437	
830305	Equip-Engineering (SP)	200	65	21	77	200	449	-	
830306	Equip-Supervision (SP)	823,228	73,905	69,066	874,411	823,228	1,127,826	906,718	
830307	Equip-Other (SP)	186,300	34,592	19,497	463,303	186,300	435,595	157,000	
830401	GroundsRoutine (SP)	-	-	-	4,516	-	9,947	-	
830404	GroundsCorrective (SP)	700	768	73	11,192	700	4,665	600	
830407	GroundsOther (SP)	-	-	-	10	-	454	-	
830500	Structures (SP)	148,600	3,231	15,534	20,182	148,600	17,621	162,500	
830501	Struct-Routine (SP)	72,100	77,032	7,547	1,052,888	72,100	897,059	96,800	
830502	Struct-Preventive (SP)	200	115	21	1,119	200	(79)	200	
830503	Struct-Predictive (SP)	-	1,888	-	14,552	-	99	-	
830504	Struct-Corrective (SP)	159,955	84,160	15,127	971,608	159,955	1,210,209	141,504	
830505	Struct-Engineering (SP)	(127,360)	-	(10,698)	14,202	(127,360)	12	-	
830506	Struct-Supervision (SP)	810,552	43,241	68,054	525,712	810,552	433,689	1,037,699	
830507	Struct-Other (SP)	2,274,845	74,085	191,790	996,499	2,274,845	986,687	2,371,476	
830601	RemAct/Spil-Supv (SP)	-	-	-	1,461	-	-	-	
830603	RemAct/Spil-Shutdowns (SP)	-	-	-	5	-	190	-	
830700	Inspection (SP)	1,100	-	115	3,570	1,100	-	100	
830703	Insp-ET's (SP)	27,200	30,519	2,846	236,601	27,200	149,648	25,500	
830704	Insp-Prop Pump Stations (SP)	14,500	509	1,518	38,419	14,500	24,399	3,450	
830900	Emergency (SP)	100	2,883	8	3,375	100	251	-	
830901	Emerg - Hurrican Preparat (SP)		-	_	653	_	15,647	-	
830902	Emerg-Hurricane Recovery (SP)	-	-	-	3,874	-	65,863	-	
830904	Emergency - Run Generator (SP)	_	-	-	1,269	-	5,312	-	
830906	Emergency - OPP (SP)	_	-	-	-	-	(2,110)	100	
830907	Assist other Division (SP)	_	-	-	16,214	-	(2,110)	-	
850130	Utilities Monitoring (SP)	1,435,700	66,688	126,174	1,302,310	1,435,700	1,422,194	1,378,000	
850203	Assistance to Other Div (SP)	11,050	-	941	1,002,010	11,050	1,422,104	500	
850205	Emerg Actv/Emg Gen-Stby (SP)	50		5	_	50	_	10,050	
850209	Maint/Rep-Diesel Eqp/Gens(SP)	108,208	(875)	10,968	132,728	108,208	301,571	106,825	
850209	Maint/Rep-Pump Stations (SP)	226,500	13,348	21,405	355,978	226,500	174,839	175,900	
850213 850220	Maint/Rep-Struct/Grounds (SP)	220,500 50	13,340	21,405	40	226,500	174,039	50	
			10				-	•	
850222	Underground Piping/Valves (SP)	1,050	-	110	64,424	1,050	-	1,050	
850224	Remedial Action/Spills (SP)	100	-	10	-	100	-	100	
850226	Telemetering/SCADA (SP)	-	-	-	8,003	-	-	-	
850228	Odor Control (SP)	-	-	-	10,716	-	-	-	

		Annual	CURRENT MONTH			YEAR-TO-DATE			
		Budget 2018	Actual 2018	Budget 2018	Actual 2018	Budget 2018	Actual 2017	Budget 2017	
Sewer Pu	mping	43,334,079	3,537,576	3,925,846	43,499,332	43,334,079	42,542,930	39,350,449	
100059	OM Activity - GL use only (ST)	1,525,102	47,289	127,194	2,331,244	1,525,102	1,369,698	1,325,286	
212007	Sewer Treat and Disposal (ST)	-	22,447	-	311,182	-	-	-	
213007	Security Guard Services (ST)	-	-	-	-	-	-	-	
221001	High Level Disinfection (ST)	-	-	-	-	-	557	-	
227001	Sewer Treatment Activity (ST)	445,767	487,728	37,430	623,758	445,767	1,403,326	142,781	
228001	Sewer Treatment Activity (ST)	235,431	3,127	19,769	239,359	235,431	210,244	172,865	
260006	Security Services (ST)	3,500,000	264,428	366,450	2,259,451	3,500,000	3,071,596	3,200,000	
350107	Construction Mgmt (ST)	-	-	-	138	-	962	-	
520302	Fueling/Recovery Deliv (ST)	10,000	5,143	1,047	(49,883)	10,000	38,304	10,000	
520463	Fire Protection System (ST)	-	-	-	7,304	-	7,934	5,200	
520501	Grounds Contract Services (ST)	322,000	50,970	33,713	453,481	322,000	320,679	684,200	
520523	Grounds Installs/Landscp (ST)	6,400	13,529	670	20,259	6,400	14,035	6,400	
520543	Grounds Maint. Services (ST)	1,564,176	6,369	133,781	1,549,029	1,564,176	921,990	1,313,662	
520663	Maint. of Mech Hvac Equip (ST)	1,304,022	88,217	119,078	961,771	1,304,022	1,036,326	1,601,951	
520779	Maint. of Plumbing Equip (ST)	-	24	-	692	-	432	-	
520873	Misc Projects/Tasks (ST)	6,459	412	538	14,124	6,459	5,449	7,067	
520923	Structural Misc Task (ST)	9,000	-	942	-	9,000	-	8,500	
520974	Rentals-Other Divisions (ST)	633,000	84,898	66,275	781,397	633,000	713,445	350,000	
610001	Sewer Treatment Plant (ST)	-	-	-	169,190	-	-	-	
620001	Sewer Treatment Plant (ST)	1,500,000	304,113	157,050	1,215,931	1,500,000	1,326,519	1,500,200	
630003	Admin. & General (ST)	-	-	-	-	-	(32)	-	
<u>630102</u>	Hazardous Waste Disposal (ST)	-	-	-	-	-	5,750	-	
<u>630119</u>	Sewer Treatment Plant (ST)	406,730	111,034	41,358	413,501	406,730	262,833	258,000	
630503	License and Permit Fees (ST)	-	-	-	-	-	(3,615)	-	
740001	LabS Treat & Disp Exp (ST)	3,070,972	231,872	268,368	2,774,339	3,070,972	2,555,365	3,187,370	
810003	Sewer Treatment Actv (ST)	6,750,000	33,204	706,725	394,215	6,750,000	765,177	6,600,100	
<mark>811017</mark>	Telemetering/SCADA (ST)	4,439,220	195,840	389,187	2,483,143	4,439,220	2,037,030	2,976,531	
<mark>811018</mark>	Main/Rep-Rad/Com Eq (ST)	89,300	1,685	9,202	60,460	89,300	22,647	313,400	
<mark>811021</mark>	Instl/Rep/Cam/Surv Eq (ST)	366,350	16,759	30,728	276,929	366,350	239,034	415,575	
850001	Admin. & General (ST)	26,450,010	2,681,950	2,253,952	30,515,428	26,450,010	30,418,852	27,789,622	
850002	Adm&GnI-CMMS (ST)	585,238	32,991	49,319	445,688	585,238	551,921	601,919	
850003	Adm&Gnrl-Supervision (ST)*	150	-	16	-	150	-	150	
850004	Adm & Gnl-Permitting (ST)	2,975	1,349	311	29,110	2,975	100,701	7,375	
850005	CDL Random Testing (ST)	200	-	19	-	200	-	200	
850006	Training (ST)	34,377	(134)	3,576	90,112	34,377	123,443	32,300	
850007	Union Activities (ST)	200	-	21	-	200	-	250	

		Annual	CURRENT	MONTH	YEAR-TO-DATE		D-DATE	
		Budget	Actual	Budget	Actual	Budget	Actual	Budget
		2018	2018	2018	2018	2018	2017	2017
850103	Emerg Power Generation (ST)	6,653	2,531	651	2,037	6,653	5,578	1,750
<mark>850104</mark>	Odor Control (ST)	6,612,157	887,375	672,770	8,133,194	6,612,157	4,036,363	4,310,564
<mark>850105</mark>	Effluent Pumping (ST)	-	-	-	8,798	-	-	-
<mark>850106</mark>	Pumping Stations (ST)	72,553	-	7,424	302	72,553	21,197	161,400
850109	Training (ST)	60,140	1,731	5,140	130,513	60,140	157,478	63,160
<mark>850111</mark>	Purchased Treatment (ST)	1,100	-	115	-	1,100	-	250
<mark>850112</mark>	Reuse Facility (ST)	5,683	-	480	-	5,683	-	400
<mark>850114</mark>	Sludge Cons & Diges Ops (ST)	264,791	-	22,352	2,782	264,791	39,950	922,813
850115	Dewatering (ST)	2,966,868	308,287	288,142	3,485,573	2,966,868	2,545,599	1,699,886
<mark>850116</mark>	Solids Handling (ST)	15,075,364	1,750,494	1,266,875	11,023,274	15,075,364	11,518,447	10,191,548
<mark>850117</mark>	Headworks (ST)	-	-	-	11	-	1,947	325,082
<mark>850119</mark>	Secondary Clarification (ST)	103,659	-	9,115	15,519	103,659	88,976	557,954
850120	O2 Generation (ST)	1,083,551	5,941	101,789	463,035	1,083,551	470,280	1,340,573
850121	Non Emer Power Generation (ST)	947,016	23,335	79,456	253,898	947,016	506,069	884,319
850122	Final Station (ST)	250	-	26	1,471	250	-	250
850123	Deep Well Injection (ST)	1,210,400	287,700	126,727	991,220	1,210,400	72,234	260,400
850124	Tanker Duty (ST)	538	-	45	2,687	538	15,043	-
850125	Biosolids Processing (ST)	51,450	-	5,387	111	51,450	2,194	8,950
850127	Vessel Cleaning (ST)	195,970	(6,486)	16,378	147,143	195,970	111,259	114,920
850128	Special Projects (ST)	80,933	3,900	8,186	19,305	80,933	67,209	67,850
850202	Other Maintenance (ST)	455,531	90,424	47,353	500,375	455,531	461,120	515,775
850204	Assistance to Other Div (ST)	21,533	3,178	2,135	46,453	21,533	42,530	300
850206	Emerg Actv/Emg Gen-Stby (ST)	44,763	15,465	4,070	116,239	44,763	152,873	103,710
850208	Maint/Rep-Co-Generation(ST)	145,071	104,909	13,899	1,235,037	145,071	816,949	129,350
850210	Maint/Rep-Diesel Eqp/Gens(ST)	2,744,278	264,476	241,032	2,459,508	2,744,278	2,174,449	2,499,191
850211	Maint/Rep-Plant Equipment (ST)	16,075,216	1,234,363	1,442,106	15,161,112	16,075,216	14,198,897	15,917,020
850212	Maint/Rep-Instr/Ctrls/Mtrs(ST)	2,032,542	31,681	176,079	1,515,765	2,032,542	2,477,221	1,406,856
850214	Maint/Rep-Pump Stations (ST)	4,050	-	422	2,116	4,050	-	11,750
850215	Maint/Rep-Radio/Comm (ST)	350	-	37	-	350	-	900
850216	Maint/Rep-Cryogenic Plant (ST)	17,781	4,863	1,800	90,428	17,781	41,907	64,790
850217	Maint/Rep-Sldg Concnt/Digs(ST)	209,580	6,029	21,872	50,738	209,580	329,958	27,000
850218	Maint/Rep-Sldg Dewatering(ST)	47,133	3,956	4,778	60,101	47,133	41,546	56,722
850219	Maint/Rep-Sludge Handling (ST)	713,932	-,	59,958	59,215	713,932	25,668	754,743
850221	Maint/Rep-Struct/Grounds (ST)	2,829,312	290,636	243,117	3,628,485	2,829,312	2,718,742	2,570,437
850223	Underground Piping/Valves (ST)	521,506	116,641	44,879	478,699	521,506	366,812	258,949
850225	Remedial Action/Spills (ST)	1,750	-	171	-	1,750	-	2,300
850227	Telemetering/SCADA (ST)	200	(1,070)	21	74,895	200	45,819	200
850229	Odor Control (ST)	200	(1,010)	_	- 1,000		-	500,000
COOLLO								000,000

	Annual	CURRENT MONTH		YEAR-TO-DATE			
	Budget	Actual	Budget	Actual	Budget	Actual	Budget
	2018	2018	2018	2018	2018	2017	2017
850230 Special Projects (ST)	735,713	337,077	62,329	2,196,837	735,713	1,271,779	851,825
Sewer Treatment and Disposal	108,596,394	10,452,680	9,793,835	100,728,223	108,596,394	92,346,695	99,094,792
TOTAL O&M EXPENSES	445,194,203	44,417,068	41,414,301	412,782,001	445,194,203	398,529,930	429,828,472
FYTD Wastewater Functions (SC, SP, ST)				178,276,114		168,346,162	
				Oct-Sep		Oct-Sep	
				FY 2018		FY 2017	

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to September 2018
	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT			
1002	2 PLANT	101638	NDWWTP - INJECTION WELLS PS UPGRADE	\$4,568,414.35
	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT		NDWWTP CONSTRUCTION MANAGEMENT	
1002	2 PLANT	102147	TRAILERS	\$0.00
	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT		CDWWTP - CONSTRUCTION MANAGEMENT	
1003	3 PLANT	102146	TRAILERS	\$0.00
	CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION			
1009	9 MAINS AND PUMP STATIONS IMPROVEMENTS	102200	BISCAYNE BASIN PROJECTS RELATED TO CL-1	\$112,980.88
	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND		6" FM FROM PS 1071 TO MH 7 SOUTH OF SW 186	
1010) PUMP STATIONS IMPROVEMENTS	102035	ST ON 108 AVE	\$70,923.24
	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND			
1010) PUMP STATIONS IMPROVEMENTS	102050	UPGRADE 4" FM FROM PS 733 ON US1	\$309,173.58
			REHABILITATION OF SEWER MAINS DUE TO I/I -	
1011	1 FLOW REDUCTION PROGRAM (FRP)	100050	SECTIONAL LINING	\$1,415,837.05
			PEAK FLOW MANAGEMENT - PUMP STATION	
1011	1 FLOW REDUCTION PROGRAM (FRP)	101865	OPTIMIZATION PLAN (PSOP)	\$135,514.93
			SPECIAL CONSTRUCTION - SANITARY SEWER	
1012	2 SANITARY SEWER SYSTEM IMPROVEMENTS	100055	IMPROVEMENTS	\$0.00
			DESIGN BUILD REPLACEMENT OF GRAVITY MAIN	
1012	2 SANITARY SEWER SYSTEM IMPROVEMENTS	102228	IN SHENANDOAH AREA - PHASE A	\$3,904,706.49
			DESIGN BUILD REPLACEMENT OF GRAVITY MAIN	
1012	2 SANITARY SEWER SYSTEM IMPROVEMENTS	102229	IN SHENANDOAH AREA - PHASE B	\$2,642,989.20
	WASTEWATER GENERAL MAINTENANCE AND OFFICE			
1013	3 FACILITIES	101506	SOUTH MAINTENANCE CENTER	\$36,169.14
	WASTEWATER GENERAL MAINTENANCE AND OFFICE			
1013	3 FACILITIES	101887	MEDLEY YARD BUILDING	\$1,257,417.40
1015	5 PUMP STATION IMPROVEMENTS PROGRAM	101454	PUMP STATION IMPROVEMENT PROGRAM	\$23,283,910.02
1015	5 PUMP STATION IMPROVEMENTS PROGRAM	101975	PUMP STATION IMPROVEMENT PROGRAM (PSIP)	\$2,442.17
1019	9 SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	\$1,545,672.22

PROJECT PROJECT DESCRIPTION NUMBER	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to September 2018
1019 SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	\$59,869.40
1019 SANITARY SEWER SYSTEM EXTENSION	102128	6" FM FROM PS 746 TO SW 156 ST & US1	\$82,118.71
1023 WASTEWATER TELEMETERING SYSTEM	100621	TELEMETERING SYSTEM - WASTEWATER	\$105,705.48
1024 WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$15,559,322.97
LIFT STATION UPGRADES AND STRUCTURAL MAINTENANC	1	LIFT STATION STRUCTURAL MAINTENANCE &	
1025 IMPROVEMENTS	100623	UPGRADES	\$1,072,164.49
1027 WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	\$888,757.17
1027 WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	\$4,727,438.95
1027 WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	\$4,388,334.87
WASTEWATER TREATMENT PLANTS REPLACEMENT AND		WASTEWATER TREATMENT PLANTS	
1029 RENOVATION	100627	REHABILITATION	\$8,383,412.29
WASTEWATER TREATMENT PLANTS REPLACEMENT AND			
1029 RENOVATION	101732	SECURITY PROJECTS	\$9,863.96
1040 OCEAN OUTFALL LEGISLATION REGULATORY	102007	NDWWTP- BZ DEEP INJECTION WELLS (NE-2)	\$166,589.79
1040 OCEAN OUTFALL LEGISLATION REGULATORY	102010	CDWWTP- BZ DEEP INJECTION WELLS (CE-2)	\$643,731.37
		LAND ACQUISITION FOR WDWWTP (WDWRRF)	
1040 OCEAN OUTFALL LEGISLATION REGULATORY	102034	(WT-1L)	\$2,827,385.20
1040 OCEAN OUTFALL LEGISLATION REGULATORY	102038	CDWWTP - CENTRATE INJECTION WELL (CE-4)	\$11,494,916.25
		CDWWTP PUMP STATION FOR CENTRATE WELL	
1040 OCEAN OUTFALL LEGISLATION REGULATORY	102096	(CE-3)	\$16,969,173.93
		OWNERS REPRESENTATIVE SERVICES FOR OOL	
1040 OCEAN OUTFALL LEGISLATION REGULATORY	102138	PROGRAM AND WASTEWATER SYSTEM	\$3,684,214.05
		SE-2 SDWWTP BZ DEEP MUNICIPAL INJECTION	
1040 OCEAN OUTFALL LEGISLATION REGULATORY	102150	WELLS	\$253,853.61
1041 GENERAL OBLIGATION BOND (GOB)		SANITARY SEWER NEEDS ASSESSMENT	\$918,081.83
		WASTEWATER - PIPES AND INFRASTRUCTURE	
1042 WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	101967	PROJECTS	\$3,295,496.53

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to September 2018
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102502 SDWWTP	- Oxygenation Trains	\$1,326,686.77
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102504 SDWWTP	- Effluent Pump Station	\$1,566,627.48
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102506 SDWWTP	 Digesters and Control Buildings 	\$625,096.39
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102507 SDWWTP	- Dewatering Facility	\$158,158.92
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102508 SDWWTP	- FOG Removal Facility	\$2,336,845.31
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102510 SDWWTP	- General Electrical	\$779,562.32
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102511 SDWWTP	- Chlorine Contact Chamber Structural	\$1,782,200.37
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102600 CDWWTP	- Electrical Improvements	\$715,300.32
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102601 CDWWTP	- Building improvements	\$785,116.55
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
	PROJECTS	102602 Headwork	s Plant 1	\$4,403,128.25
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102603 CDWWTP	- Headworks Plant 2	\$3,312,800.02
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102604 CDWWTP	 Oxygenation Trains Plant 1 	\$1,010,181.35
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102605 CDWWTP	- Oxygenation Trains Plant 2	\$962,036.23
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102608 CDWWTP	- RS Pump Stations Plant 1	\$110.60
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102609 CDWWTP	- RS Pump Stations Plant 2	\$667,855.93

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to September 2018
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102610 CDW	WTP - Effluent Pump Station	\$317,066.56
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102613 CDW	WTP - Digesters Plant 1	\$177,136.23
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102614 CDW	WTP - Digesters Plant 2	\$17,993,367.07
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102615 CDW	WTP - Dewatering Building	\$297,007.01
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102616 CDW	WTP - Chlorination Facilities	\$4,860,752.76
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102617 CDW	WTP - Odor Control Systems	\$800,666.16
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102618 CDW	WTP - Co-Gen Facility	\$15,179,252.28
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102620 CDW	WTP - Pump Station 1	\$569,212.44
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102621 CDW	WTP - Pump Station 2	\$1,003,047.72
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102623 CDW	WTP - Gas Monitoring	\$154,495.88
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102624 CDW	WTP -Ventilation Improvements	\$218,205.88
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102626 CDW	WTP - Oxygen Production	\$489,212.24
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE	CON	SENT DECREE PROGRAM MANAGEMENT &	
1044	PROJECTS	102628 CON	STRUCTION MANAGEMENT	\$1,751,421.85
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE	NDW	WTP - Headworks and Sludge Degritting	
1044	PROJECTS	102700 Trans	sfer	\$4,995,196.93
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102701 NDW	WTP - Primary Clarifiers and Odor Control	\$2,874,774.41

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to September 2018
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102704 NDW	/WTP - Secondary Clarifiers	\$927,413.75
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102705 NDW	/WTP - Disinfection	\$355,278.78
	WASTEWATER TREATMENT PLANTS - CONSENT DECREE			
1044	PROJECTS	102706 NDW	/WTP - Effluent Disposal	\$939,854.90
	WASTEWATER COLLECTION AND TRANSMISSION LINES -			
1045	CONSENT DECREE PROJECTS	102800 Colle	ection System I/I Repairs	\$14,284,928.44
	WASTEWATER COLLECTION AND TRANSMISSION LINES -			
1045	CONSENT DECREE PROJECTS	102802 Gove	ernment Cut FM - Phase 3	\$7,043,688.74
	WASTEWATER COLLECTION AND TRANSMISSION LINES -			
1045	CONSENT DECREE PROJECTS	102804 Sout	h Dade 54 inch PCCP FM Rehabilitation	\$17,549,685.69
	WASTEWATER COLLECTION AND TRANSMISSION LINES -	Reha	bilitation of 54 inch PCCP FM in the City of	
1045	CONSENT DECREE PROJECTS	102807 Miar	ni	\$6,547,820.80
	WASTEWATER COLLECTION AND TRANSMISSION LINES -			
1045	CONSENT DECREE PROJECTS	102808 Repl	ace Approximately 25 miles of AC force mains	\$2,746,297.79
	WASTEWATER COLLECTION AND TRANSMISSION LINES -	•	Locka Airport 48" PCCP force main	
1045	CONSENT DECREE PROJECTS	102809 repla	acement	\$5,198,848.18
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102900 DOR	AL BASIN - UPGRADE SEWAGE PS No. 418	\$3,897,726.79
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102902 Upgr	ade of PS#0692	\$923,576.89
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102903 Repl	acement of Switchgear PS#0414	\$2,443,188.69
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE	Repl	acement of Switchgear and Rehabilitation of	
1046	PROJECTS	102904 Wet	well PS#0415	\$3,278,927.90
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	•	acement of Switchgear PS#0416	\$3,080,922.90
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE	•	acement of Switchgear and Rehabilitation of	
1046	PROJECTS	102906 Wet	well PS#0417	\$573,810.81

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to September 2018
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE		Replacement of Electrical and Mechanical	
1046	PROJECTS	102907	Equipment in PS#0107	\$816,571.72
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE		Replacement of Plumbing and Electrical	
1046	PROJECTS	102908	Equipment at PS#0301	\$70,417.68
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE		Installation of 60 inch FM from Kendall Dr to	
1046	PROJECTS	102910	PS#0536	\$480,527.02
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102911	Replacement of Switchgear at PS#0187	\$7,885,163.36
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102914	Upgrade of PS #0065, 0201, 0334, 0374, 0607	\$1,187,247.84
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102915	Upgrade of PS #00198, 0437, 0466, 0680	\$299,355.46
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE			
1046	PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$3,003,714.75
	SEWER PUMP STATION SYSTEMS - CONSENT DECREE		Upgrade of PS #0441, 0491, 0710, 0827, 0852,	
1046	PROJECTS	102917		\$542,525.93
			WASTEWATER COMMERCIAL CORRIDORS	
	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC		ECONOMIC DEVELOPMENT - GRAVITY AND FORCE	
1047	DEVELOPMENT	103000	MAINS	\$465,918.55
4047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC	402004	WASTEWATER COMMERCIAL CORRIDORS	¢ 472,000,02
1047		103001	ECONOMIC DEVELOPMENT - PUMP STATIONS	\$473,890.63
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC	102002		¢025 200 22
1047	DEVELOPMENT	103002	SUPPLEMENTAL ENVIRONMENT PROJECT (SEP)	\$825,299.22
			48/36/42-INCH FM FROM INTERCEPTOR TO PS 2 DISCHARGE - BISCAYNE BASIN IMPROVEMENTS (CL-	
1040	OCEAN OUTFALL LEGISLATION CAPACITY	101757		\$13,029,918.46
	OCEAN OUTFALL LEGISLATION CAPACITY		P.S. 2 BASIN UPGRADE - PHASE 1 LOCAL	\$13,029,918.46
	OCEAN OUTFALL LEGISLATION CAPACITY		SOUTHWEST DADE BOOSTER STATION (SP-1)	\$453,118.23
1048		102012	SOUTHWEST DADE BOOSTER STATION (SP-1)	34J3,110.23

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to September 2018
1048	OCEAN OUTFALL LEGISLATION CAPACITY		ST-1 TO SDWWTP UPGRADES TO 121 MGD ADF	\$5,818,666.35
1048	OCEAN OUTFALL LEGISLATION CAPACITY		ST-2 SDWWTP UPGRADES FROM 121 MGD TO 131 MGD ADF	\$6,763,513.15
			SL-3A TO 48"/54" FM FROM SP-1 TO	
	OCEAN OUTFALL LEGISLATION CAPACITY OCEAN OUTFALL LEGISLATION CAPACITY		INTERSECTION OF SW 137th AVE/SW 136th St. SL-2 TO 54"/60" FM FROM SP-1 TO SL-1B	\$656,729.91 \$2,289,521.23
1048			SL-3B TO 48"/54" FM ALONG 137th AVE FROM SW	\$2,209,521.25
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102158	136th St TO SW 104th ST	\$838,777.52
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102192	OUT OF COMPLIANCE PUMP STATIONS	\$584,462.84
	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM			
1049	(PSRP)	101710	MASTER PUMP STATION NO. 3 (FORMERLY P.S. 8)	\$343,070.47
	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM			
	(PSRP)	100984	REFURBISH STRUCTURES IN PUMP STATIONS	\$0.00
Total Sewer FYTD from October 2017 to September 2018				\$303,690,203.77