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**VIA ELECTRONIC CORRESPONDENCE**

July 30, 2019

CCN: 62716  
File No: 8.DC.20.33

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**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),  
Reference DOJ Case No. 90-5-1-1-4022/1,  
Section IX – Reporting Requirements, Paragraph 33 – Semi-Annual Reports – 2019  
Semi-Annual Report No. 1**

Dear Sir/Madam:

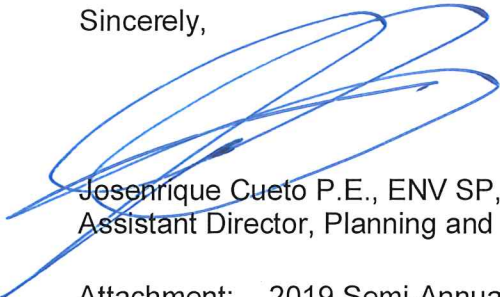
In accordance with the provisions of Paragraph 33 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2019 Semi-Annual Report No. 1. The report includes the progress made in implementing the requirements of the aforementioned Consent Decree during the period of time from January 1, 2019 through June 30, 2019. The report also includes the anticipated work to be completed over the next two calendar quarters through December 31, 2019.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate

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,



Jos Enrique Cueto P.E., ENV SP, LEED® Green Associate  
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Attachment: 2019 Semi-Annual Report No. 1

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

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

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Prepared for

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

**Consent Decree  
Case: No. 1:12-cv-24400-FAM**

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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

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AASIS	Active As-built Supplemental Information Systems
AC	Asbestos Cement
BODR	Basis of Design Report
CD	Consent Decree
CDWWTP	Central District Wastewater Treatment Plant
CIP	Capital Improvement Project
CIPP	Cured in Place Pipe
CMOM	Capacity, Management, Operations and Maintenance
County	Miami-Dade County
DOJ	Department of Justice
EFT	Electronic Funds Transfer
EPA	Environmental Protection Agency
FDEP	Florida Department of Environmental Protection
FM	Force Main
FMOPMARP	Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program
FM R/R P	Force Main Rehabilitation/Replacement Program
FOG	Fats, Oils and Grease
FSE	Food Service Establishments
GDO	Grease Discharge Operations
GIS	Geographic Information System
GPD	Gallons per Day
GPM	Gallons per Minute

## Acronyms and Abbreviations (continued)

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GSS	Gravity Sewer System
I/I	Inflow/Infiltration
IMS	Information Management System
LF	Linear Foot
LWT	Liquid Waste Transporters
MGD	Million Gallons per Day
N/A	Not Applicable
NDWWTP	North District Waste Water Treatment Plant
NPDES	National Pollutant Discharge Elimination System
OOL	Ocean Outfall Legislation
PDR	Public Document Repository
PS	Pump Station
PSOPMP	Pump Station Operations and Preventative Maintenance Program
R & R	Renewal and Replacement
RER-DERM	Department of Regulatory and Economic Resources-Division of Environmental Resources Management
RTU	Remote Telemetry Unit
SCADA	Supervisory Control and Data Acquisition
SDWWTP	South District Waste Water Treatment Plant
SEP	Supplemental Environmental Project
SORP	Sewer Overflow Response Plan
SSAMP	Sewer System Asset Management Program
SSO	Sanitary Sewer Overflow
VFD	Variable Frequency Drive



## **Acronyms and Abbreviations (continued)**

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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

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

The County submits this Semi-Annual Report ("Report") to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) for review and comment in accordance with the requirements of Paragraph 33 of the CD. In accordance with the CD, this Report includes a description of the projects and activities completed and milestones achieved during the previous two calendar quarters (January 1, 2019 through June 30, 2019), and also provides projections for significant projects and activities anticipated to be completed in the next two calendar quarters (July 1, 2019 through December 31, 2019).

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

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

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

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

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

The County continues to be fully engaged with the successful implementation and compliance of the CD. First, with the continued development and implementation of the nine new CMOM Program (CD Section VI, Paragraph 19) all of which have been approved. Second, with the execution of the eighty-one (81) capital improvement projects included in Appendix D which have an approximate total cost of \$1.97 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, thirty-four (34) projects with a total cost of \$437 million have reached substantial completion and more than forty (40) projects with an approximate total cost of \$1.37 billion are currently in the procurement and construction phases.

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

<b>Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables</b>				
<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Completion or Submittal Date</b>	<b>CD Compliant (Yes/No)</b>
Make available a copy of each specified Deliverable in the Public Document Repository (PDR) no later than one business day from submission	Section V, para. 9	Ongoing	Ongoing	Yes
Ensure Adequate Pumping, Transmission and Treatment Capacity under the conditions of CD Appendix A	Section VI, para. 18(a)	Ongoing	Ongoing	Yes
Continue implementing existing Pump Station Remote Monitoring Program	Section VI, para. 18(b)	Ongoing	Ongoing	Yes
Continue implementing existing Spare Parts Program	Section VI, para. 18(d)	Ongoing	Ongoing	Yes
Continued Implementation of Sanitary Sewer Overflow (SSO) Identification and Reporting	Section VI, para. 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes
Submit Potential Delay Notification Letter for CD CIP 2.2(2) – Repairs to Various Building at CD WWTP	Section XI, para. 52 & Section XVII, para. 77 Section V, para. 9	1/22/2019	1/22/2019	Yes
Post Potential Delay Notification Letter for CD CIP 2.2(2) – Repairs to Various Building at CD WWTP in PDR	Section VI, para. 19(g)(ii)	1 business day after submittal	1/22/2019	Yes
Submit 2018 Quarterly Report No. 4	Section IX, para. 32	1/31/2019	1/29/2019	Yes
Post 2018 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1/29/2019	Yes
Submit 2018 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2019	1/31/2019	Yes
Post 2018 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2019	Yes
Submit 2018 Annual Report	Section IX, para. 34	3/1/2019	3/1/2019	Yes

<b>Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables</b>				
<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Completion or Submittal Date</b>	<b>CD Compliant (Yes/No)</b>
Post 2018 Annual Report in PDR	Section V, para. 9	1 business day after submittal	3/1/2019	Yes
Submit Delay Notification Letter for CD CIP 2.22	Section XI, para. 52 & Section XVII, para. 77	3/6/2019	3/6/2019	Yes
Post Delay Notification Letter for CD CIP 2.22 in PDR	Section V, para. 9	1 business day after submittal	3/7/2019	Yes
Submit 2019 Quarterly Report No. 1	Section IX, para. 32	4/30/2019	4/29/2019	Yes
Post 2019 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	4/30/2019	Yes
Submit Project Update and Failure to Meeting CD Compliance Date for CD CIP 2.22 – Pump Station No. 2 at CD WWTP	Section XI, para. 52 & Section XVII, para. 77	N/A	5/20/2019	N/A
Post Project Update and Failure to Meeting CD Compliance Date for CD CIP 2.22 – Pump Station No. 2 at CD WWTP in PDR	Section V, para. 9	1 business day after submittal	5/20/2019	Yes
Submit Payment of 2017-2018 FDEP Joint Demand for Stipulated Penalties	Section X, para. 42(a) and Order Modifying Section X	6/27/2019	6/10/2019	Yes
Post Payment of 2017-2019 FDEP Joint Demand for Stipulated Penalties in PDR	Section V, para. 9	1 business day after submittal	6/11/2019	Yes
Submit Payment of 2017-2018 EPA and FDEP Stipulated Penalties	Section X, para. 42(a) and Order Modifying Section X	6/27/2019	6/13/2019	Yes
Post Payment of 2017-2018 EPA and FDEP Stipulated Penalties in PDR	Section V, para. 9	1 business day after submittal	6/13/2019	Yes
Submit Potential Delay Notification Letter for CD CIP 1.11(1.1) General Electrical at SD WWTP	Section XI, para. 52 & Section XVII, para. 77	7/5/2019	6/28/2019	Yes

<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Completion or Submittal Date</b>	<b>CD Compliant (Yes/No)</b>
Post Potential Delay Notification Letter for CD CIP 1.11(1.1) General Electrical at SD WWTP in PDR	Section V, para. 9	1 business day after submittal	6/28/19	Yes
Completion of CD CIP 1.9 FOG Removal Facility	Section VI, para. 19(i)	5/24/2019	3/26/2019	Yes
Completion of CD CIP 2.3 Headworks Plant 1	Section VI, para. 19(i)	3/16/2019	3/7/2019	Yes
Completion of CD CIP 5.4 Replacement of Switchgear PS No. 0414	Section VI, para. 19(i)	6/15/2019	6/11/2019	Yes
Completion of CD CIP 5.6 Replacement of Switchgear PS No. 0416	Section VI, para. 19(i)	6/13/2019	6/11/2019	Yes
Completion of CD CIP 5.11 Installation of 48-inch force main from Kendall Dr. to the suction side of PS 0536	Section VI, para. 19(i)	5/18/2019	2/13/2019	Yes
Completion of CD CIP 5.12 Replacement of Switchgear at PS 0187	Section VI, para. 19(i)	3/26/2019	3/25/2019	Yes

<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Anticipated Completion or Submittal Date</b>
Submit Second Annual FOG Control Program Review Report	Section VI, para. 19(a)	7/1/2019	7/1/2019
Post Second Annual FOG Control Program Review Report in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2019 Quarterly Report No. 2	Section IX, para. 32	7/30/2019	7/30/2019
Post 2019 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2019 Semi-Annual Report No. 1	Section IX, para. 33	7/30/2019	7/30/2019
Post 2019 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal

<b>Table 1-2 Upcoming CD Projects, Activities, Milestones, and Deliverables in the Next Two Calendar Quarters</b>			
<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Anticipated Completion or Submittal Date</b>
Submit 2019 Quarterly Report No. 3	Section IX, para. 32	10/30/2019	10/30/2019
Post 2019 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
CD CIP 2.2 Building Improvements	Section VI, para. 19(i)	9/26/2019	To be determined
CD CIP 2.4 Headworks Plant 1	Section VI, para. 19(i)	8/23/2019	8/23/2019
CD CIP 2.22 Pump Station 2	Section VI, para. 19(i)	5/25/2019	4/25/2020
CD CIP 5.1 Upgrade of PS 0418	Section VI, para. 19(i)	10/22/2019	10/22/2019
CD CIP 5.2 Upgrade of PS No. 0691	Section VI, para. 19(i)	1/27/2019	12/31/2019
CD CIP 5.5 Replacement of Switchgear and Rehabilitation of Wet well PS 0415	Section VI, para. 19(i)	9/2/2019	9/2/2019
CD CIP 5.18 Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	Section VI, para. 19(i)	12/13/2019	12/13/2019

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

<b>Table 1-3 Issues Log</b>			
<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
1	7/20/17	At the July 20, 2017 EPA/FDEP/WASD CD Program Update Meeting, WASD proposed a scope modification for CIP 5.9 Replacement of Plumbing and Electrical Equipment at PS #0301.	The scope modification request for CD CIP 5.09, to include the construction of a new Submersible PS, exceeds the CD description and as such will require a revision to the CD Appendix-D CIP 5.09 schedule. After the presentation, EPA/FDEP requested a formal request for the proposed change. On July 28, 2017, the County sent EPA/FDEP an official scope modification request for CD CIP 5.09 Replacement of Plumbing and Electrical Equipment. This item is pending final decision.
2	2/13/18	<p>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.</p> <p>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.</p> <p>The County continued developing the cloud-based system to meet all the PDR CD requirements. The migration is still in progress.</p>	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 1-3 Issues Log**

<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
3	4/19/18	At the April 2018 CD Program Update Meeting, WASD mentioned that there will be an amendment to the County Ordinance regarding the time a business must connect to a public lateral. In line with federal laws, it will be modified to reflect one year. There is reference in Appendix E Supplemental Environmental Project Plan of the CD, however, indicating a different timeframe, i.e. "Pursuant to existing regulations, businesses will have ninety (90) days to abandon their septic systems and connect to the public laterals."	EPA stated there may be a need to change that language in the CD and that the matter would be discussed with the Department of Justice (DOJ). This item is pending final decision.
4	4/19/18	At the January 24, 2017 monthly meeting, WASD mentioned that the Ocean Outfall Legislation Program is in the process of developing the Conceptual Memorandum. After the development of that Report the change of scope for CD CIP 2.14 CDWWTP Digesters Plant 1 will be submitted to EPA/FDEPA. At the April 2018 CD Program Update Meeting, WASD reported that the complete rehabilitation of Plant 2 Clusters 1, 2, and 3 under CD 2.15 will provide full digestion treatment capacity required for CDWWTP and no improvement for CD 2.14 is anticipated for both the CD and Ocean Outfall Legislation Program (OOL). EPA/FDEP requested that WASD submits a Request for Material Change for CD CIP 2.14.	WASD submitted a Request for Material Change for CD CIP 2.14 to EPA/FDEP on May 21, 2018. The County requested that CD CIP 2.14 be cancelled and deleted from Appendix D-2 of the CD. This item is pending final decision.

**Table 1-3 Issues Log**

<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
5	4/19/18	<p>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.</p>	<p>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.</p> <p>On May 22, 2019, EPA and FDEP issued a Demand for Stipulated Penalties Letter within which EPA informed the County of its decision to exercise its enforcement discretion to not demand stipulated penalties for Appendix D-2, Projects 2.24.</p>

## 2.0 Introduction

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### 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**

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

A summary of the continuing CMOM programs and their status for the previous two calendar quarters and the next two calendar quarters can be found in Table A-1.1 in Appendix A, Work Progress Tables.

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

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

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

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

### **3.3 Supplemental Environmental Project ("SEP") Plan**

This project is being performed pursuant to Section VIII and Appendix E of the CD. The County has identified an area in the County which is zoned business, commercial, and industrial, from light to heavy manufacturing where there currently is no access to sewers, and where septic systems are inadequate or failing and many businesses pre-date the current septic system regulations. Disconnecting the industrial users from septic tanks and connecting them to the sewer system will improve water quality in the aquifer and nearby surface waters and prevent future contamination. The County will install at least seven thousand six hundred sixty (7,660) linear feet of new gravity sewer mains within an industrial area which currently has no access to sanitary sewers and relies on septic systems.

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

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

## 4.0 Additional Information

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

### 4.1 State's Ocean Outfall Legislation (OOL)

In 2008, the Florida Legislature enacted a law requiring all wastewater facilities in southeast Florida utilizing ocean outfalls for disposal of treated wastewater to reduce nutrient load discharges, cease the normal use of outfalls, and expand reuse systems, all by the end of 2025.

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

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

## Appendix A Work Progress Tables

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**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(a)	Adequate Pumping, Transmission and Treatment Capacity Program	The Adequate Pumping, Transmission and Treatment Capacity Program is being implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A of the CD; monthly capacity certification reports are prepared by RER-DERM and kept on file by WASD. Upon request, these reports will be provided to EPA/FDEP.	1. Continued with the monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility.	1. Continue 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).	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. Placed under Incomplete Moratorium (IN) Pump Station basins that that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami-Dade County Code.	3. Continue placing under Incomplete Moratorium (IN) Pump Station basins that that fail to submit ET readings or do not submit them by the 14th of the following month, as required by the Miami-Dade County Code.  3.1. Coordinate with IT and Code Enforcement group in order to automate enforcement when utilities fail to submit Data on time.
			4. Continued to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading was detected.	4. Continue to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading is detected.  4.1. Coordinate with IT and Code Enforcement group in order to automate enforcement when utilities fail to submit Data on time.
			5. Continued generating the monthly NAPOT Status & Sewer Allocation reports for all Utilities and Building Officials. All Utilities and Building Officials were notified how to access the NAPOT Status and were provided a copy of the Allocation report.	5. Continue generating the monthly NAPOT Status & Sewer Allocation reports to Utilities and Building Officials. The report provides Moratorium status for each PS basin within the Utility service area.
			6. Sewer Allocations were de-allocated manually for municipalities according to their monthly reports as submitted to RER-DERM.	6. Continue manually de-Allocations for all municipalities according to their completed monthly reports submitted to RER-DERM.  6.1. Continue coordination with IT Department to create a WEB Application to allow Building Officials to report on-line the monthly De-Allocation report.
			7. Held two (2) Quarterly Utility Round Table (URT) Meetings with all Utilities and/or Utility Representatives to discuss/review compliance issues.	7. Will hold two (2) Quarterly Utility Round Table (URT) Meetings with all Utilities and/or Utility Representatives to discuss/review compliance issues.

**Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree**

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program (continued)	The Adequate Pumping, Transmission and Treatment Capacity Program is being implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A of the CD; monthly capacity certification reports are prepared by RER-DERM and kept on file by WASD. Upon request, these reports will be provided to EPA/FDEP.	8. Continued to use the PS system/database to track PS basins, new or upgraded with 26 HP or larger, required to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.	8. Continue requiring/notifying all Utilities that propose or upgrade PS with 26 HP pumps, or larger, to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.
			9. Continued to review Sanitary Sewer System Evaluations or Amendments as submitted by the utilities. PS moratoriums were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.	9. Continue to review Sanitary Sewer System Evaluations or Amendments when submitted by the utilities. PS moratoriums will be reverted as the utilities demonstrate compliance with the SSES, Code requirement of 5,000 GPDIM.
			10. Received update of the Water & Sewer As-Built / Atlas from Utility. Utilities were notified that a more detailed review of the submittals was to be performed.	10. Continue the review the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January-2019 to assure compliance with Code requirements. Atlases are used by staff to determine Adequate Pumping, Transmission and Treatment capacity.
			11. Updated Moratorium status of PS basins for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.	11. Continue Updating Moratorium status of PS basins for which the utilities completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.
				12. Continue coordination with IT Department to create a WEB Application to allow Building Officials to report the monthly De-Allocation report.
18(b)	Pump Station Remote Monitoring Program	The Pump Station Remote Monitoring Program is being implemented in accordance with Paragraph 18(b) of the CD. The continuing program involves the installation and operation of remote monitoring equipment in all Pump Stations in the Wastewater Collection and Transmission System (WCTS) within 6 months after the County becomes operationally responsible for Pump Station. The pump station monitoring system shall continuously monitor, report and transmit data.	Work on the program has been ongoing.	Work on the program is ongoing and will continue beyond December 31, 2019.

**Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree**

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(c)	Wastewater Collection and Transmission System Model	<p>The WCTS model is being implemented in accordance with Paragraph 18(c) of the CD. The model assists in the development and implementation of CMOM programs to optimize transmission capacity and to evaluate the impact of I/I rehabilitation projects; proposed modifications, upgrades and expansions to the WCTS; and performance of the WCTS. The WCTS model can also be used to simulate the manifolded Force Mains and private Pump Stations which manifold into the County's Force Main system.</p>	<p>The CD PMCM team performed hydraulic modeling evaluations to assess the effect of modifications to the WASD sewer collection system as a result of CD projects on operating conditions of the WASD WCTS. Evaluations were completed for the following CD projects: 5.03, 5.04, 5.06, and 5.11.</p> <p>These projects consist of pump station upgrades that include PS0692, PS0414, and PS0416, and forcemain upgrades including interconnect between 72 inch and 48 inch forcemain on SW 117th Ave. The projects evaluated the following:</p> <ul style="list-style-type: none"> <li>- Challenges in operation of booster stations (PS0414 and PS0416) during dry weather conditions</li> <li>- Proposed operation of Homestead PS#1 and future operation of PS0691 while bypassing PS0692</li> <li>- Bypassing of PS0559 during wet weather conditions</li> </ul> <p>The evaluations were documented in technical memorandums that were submitted to DERM/RER as part of the permitting process.</p>	<p>Continue to support design and construction teams through hydraulic modeling evaluations to assess the effect of modifications to the WASD sewer collection system as a result of CD projects on operating conditions of the WASD WCTS.</p> <p>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&amp;M information and GIS data. This effort constitutes the compliance with Section VI, Paragraph (18).(c).(iv) of the Consent Decree.</p>

**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)	<p>The WCTS model is being implemented in accordance with Paragraph 18(c) of the CD. The model assists in the development and implementation of CMOM programs to optimize transmission capacity and to evaluate the impact of I/I rehabilitation projects; proposed modifications, upgrades and expansions to the WCTS; and performance of the WCTS. The WCTS model can also be used to simulate the manifolded Force Mains and private Pump Stations which manifold into the County's Force Main system.</p>	<p>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&amp;M information and GIS data.</p> <ul style="list-style-type: none"> <li>- The updates include addition of PS1260, PS1261, PS1235, PS1326 and PS1348. In addition modifications were also made to the City of Homestead with revisions made specifically to the inflows.</li> <li>- The CD PMCM team delivered an updated version of the WASD WCTS effective model to WASD Planning division which incorporated all the changes listed above.</li> <li>- Additional tasks also included update of the current projected flows based on 2015 Census and average of the calculated inflows between 2016-2018</li> <li>- Pump Station Dashboard was also developed that provides a details summary/overview of the Pump Station Results for different flow conditions and different planning horizons. The results enable the users to identify the PS that are not functioning properly.</li> </ul> <p>This effort constitutes the compliance with Section VI, Paragraph (18).(c).(iv) of the Consent Decree.</p>	<p>Continue 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.</p>

**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.
18(e)	Volume Sewer Customer Ordinance Program	The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	<p>1. Monitored and tracked the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.</p> <p>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).</p> <p>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.</p> <p>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.</p> <p>5. Submitted to each Volume Sewer Customer Utility the monthly Certification of Nominal Average Pump Operating Time (NAPOT) Status Report. Moratoriums were placed accordingly.</p> <p>6. Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.</p>	<p>1. Continue Monitoring and tracking of the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.</p> <p>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).</p> <p>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.</p> <p>3.1. Coordinate with IT and Code Enforcement group in order to automate enforcement when volume sewer utilities fail to submit Data on time.</p> <p>4. Continue updating Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utilities complete and certify the Corrective Action Plan(s) (CAP) to bring basin's Nominal Average Pump Operating Time (NAPOT) below the 10 hours.</p> <p>5. Continue to generate and submit to each Volume Sewer Customer Utility the monthly Certification of Nominal Average Pump Operating Time (NAPOT) Status.</p> <p>6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.</p>

**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(e)	Volume Sewer Customer Ordinance Program (continued)	<p>The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.</p>	<p>7. Continued to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, submitted by the Volume Sewer Customer utilities.</p> <p>Moratoriums status were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.</p> <p>8. Followed-up on the enforcement action against City of Opa-Locka for repeat SSOs during this period and established an inspection coordination effort to prevent new SSOs.</p> <p>9. A Consent Agreement (CA) was completed and signed by the City of Opa-Locka for repeat SSOs during this period. The CA outlined actions to prevent SSOs and to complete needed rehabilitation to bring the sanitary sewer collection/transmission system into full compliance.</p> <p>10. Completed a close/daily monitoring and inspection program of the sanitary sewer pump station in Opa-Locka. The utility was notified of any operational problems/deficiencies found during the inspections.</p> <p>11. Conducted two (2) meetings with the Municipal Officials, including the City Manager and the Mayor, to review the WCTS status.</p> <p>12. The Miami-Dade Water and Sewer Department (WASD) assisted the utility with manpower and a temporary pump while the utility acquired permanent pumps for one of the Pump Stations.</p> <p>13. Implemented automatic De-Allocations of reserve flows that have been in the database for 10 years or more. This process provided additional flow capacity for new/future developments.</p> <p>14. All Volume Sewer Customer utilities and/or representatives were again reminded about Sanitary Sewer Overflow (SSO) requirements in the 23rd Utility Round Table meeting on March 15, 2019.</p>	<p>7. Continue to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, as submitted.</p> <p>PS moratoriums will be reverted if the utilities demonstrate compliance with the 5,000 GPDIM SSES Code requirement or the moratorium status remains if the utility does demonstrate compliance.</p> <p>8. Continue enforcement action against any utility that experiences repeat SSOs and implement monitoring and/or inspections, as needed, with the intent to prevent or minimize SSOs.</p> <p>9. Will coordinate with the Enforcement Group to assure Volume Sewer Utility (Opa-Locka) complies with the CA specific requirements and deadlines to bring the utility into full compliance.</p> <p>10. If needed, re-establish a close monitoring of the WCTS of Opa-Locka to assure system is operating under normal conditions.</p> <p>11. As needed, schedule additional meetings with the City and Utility officials.</p> <p>12. As needed, coordinate with WASD to provide assistance to any other Volume Sewer Customer utility.</p> <p>13. Continue to De-Allocate reserved flows that have been in the database for 10 years or more. This process provided additional flow capacity for new/future developments.</p> <p>14. Continue to use the URT meeting to share with all Volume Sewer Customer utilities about Code Requirements, Compliance status, and ways to improve efficiency in all programs involving.</p>

**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(e)	Volume Sewer Customer Ordinance Program (continued)	The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	15. Reviewed Annual and Semi-annual reports submitted by the Volume Sewer Customer Utilities, which include Illicit Stormwater Connections, SSES and CMOM work related reports.	15. Review the Annual or semi-annual reports as submitted by the Volume Sewer Customer Utilities, for Illicit Stormwater Connections, SSES and CMOM work related reports.
			16. Received the update of the Water & Sewer As-Built / Atlas from Utility. Utilities were notified that a more detailed review of the submittals was to be performed.	16. Review in more detail the GIS Water & Sewer As-Built / Atlases submitted by each Volume Sewer Customer Utility in January-2019 to assure compliance with Code requirements.
			17. Received the Sanitary Sewer System Model Survey/Report from all the Volume Sewer Customer Utilities.	17. Complete review of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities. Enforcement actions to be implemented accordingly.
			18. Televising reports were received from the Volume Sewer Customer utilities within the Cone of Influence (COI).	18. Review televising reports received from the utilities within the COI.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(a)	Fats, Oils and Grease Control Program	The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	1. Provided updated in-house training to FOG Control Technicians and Inspectors.	1. Provide updated in-house training to FOG Control Technicians and Inspectors.
			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 Outreach flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.
			3. Continued FOG Outreach, including workshops (e.g., West Coast Inspectors Workshop, and FOG and Utility Round Table meetings).	3. 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. Assigned FOG Inspectors to run eManifest Reports and schedule inspections based on findings.	4. Continue to receive monthly hauled waste disposal data from MD- WASD and Pompano/Broward. Assign FOG Inspectors to run eManifest Reports and schedule inspections based on findings.
			5. Updated FSE FOG Operating Permit (GDO) conditions, and included training requirements.	5. Review FSE FOG Operating Permit (GDOs) conditions and update accordingly.
			6. Continued enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Completed 92%.	6. Continue enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Goal is to achieve 100% compliance by June 2019. Facilities that remain out of compliance (8%) continue to be under enforcement.
			7. Updated the Liquid Waste Transporter (LWT) permits, and included training requirements.	7. Review LWT Permit conditions and update accordingly.
			8. Monitored "NO COMMINGLING of FOG" (implemented April 1, 2017) at the South District Wastewater Treatment Plant. Inspections include 1 day per week and every Saturday.	8. Continue monitoring "NO COMMINGLING of FOG" and take enforcement actions to correct violations, as applicable. Perform inspections at the South District Wastewater Treatment Plant. Inspections include 1 day per week and every Saturday.
			9. Continued to receive eManifest from LWTs. LWTs not submitting eManifest were advised that their operating permit would not be renewed.	9. 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
19(a)	Fats, Oils and Grease Control Program (Continued)	The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	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.
			11. Continued to track FOG Hot Spots and identify sources(s) and root cause(s). Continued to collect monthly accelerated FOG maintenance reports from utilities. Complaints were reviewed and prioritized for inspection accordingly.	11. Continue to track FOG Hot Spots and identify sources(s) and root cause(s). Take enforcement as required to remedy FOG Hot Spots.
			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.
			13. Implemented FOG related tasks associated with LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual, including reviewing random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste. Also, reviewed monthly FOG facility effluent sampling data for parameter trends. Updated training requirements for disposal facilities.	13. Continue to random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste, according with the LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual. Also, review monthly FOG facility effluent sampling data for parameter trends. Also includes updating training requirements for disposal facilities.
			14. Continued to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program. 2nd FOG Control Program Annual Review Report submitted to EPA/FDEP.	14. Continue to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 3rd FOG Control Program Annual Review Report.
			15. Developed training program for 2019 GDO and LWT permitting cycle.	15. Develop or approve training programs for 2019 permitting cycle for LWTs and Disposal Facilities.
			16. Worked in coordinating meetings for the FOG outreach program for residential.	16. Prepare a Public Outreach program outline and schedule in collaboration with MDC-WASD. Implementation of the Residential outreach program due by March 5, 2020.
				17. Coordinate meetings with local business improvement districts (BIDs) to improve the outreach for businesses.
	18. Continue working in collaboration with municipalities to reduce FOG impact in the Collection system, including sharing information and resources. Specifically City of Miami Beach, Town of Medley and Coral Gables.			

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(a)	Fats, Oils and Grease Control Program (Continued)	The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.		19. Continue quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.
				20. Continue enforcement (and compliance assistance) with FSEs to procure compliance with the current regulations. This includes unpermitted facilities, as well as existing facilities with FOG discharges over the minimum allowed, or not complying with operating permit conditions.
				21. Starting September 30, 2019 implement annual routine inspections to the current 7,424 GDO permitted facilities.
				22. Continue with Hot Spots and complaints inspections, estimated as 336 inspections per year.
				23. Implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages.
				24. Continue confirmation inspections to facilities reported as closed. Estimated that 50% of the total 4,912 facilities are expected to be inspected in 2019.
				25. Continue reviewing OL/CU/LBTR applications for FSEs. To assume compliance with FOG Control Program regulations.
	26. Continue reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).			
19(b)	Sewer Overflow Response Plan	The SORP is a program for identifying and reporting SSOs. The SORP is being implemented in accordance with Paragraph 19(b). This Plan will establish timely and effective methods and means of responding to, cleaning up, and/or minimizing the impact of SSOs; timely reporting of the location, volume, cause, impact, and other pertinent SSO information to the appropriate regulatory agencies; and timely and effective notification of SSOs to potentially impacted public. In addition, the plan involves a re-evaluation of the County's previous program.	Work on the program was ongoing: 1. Continued all required SSO reporting 2. Continued holding monthly SSO evaluation meetings 3. Held a Contractor Outreach Workshop, in coordination with Sunshine 811, in April 2019. 3. Continued the development of Consolidated SSO Database, including the Building Backup Application.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(c)	Information Management System Program	The IMS Program is being developed in accordance with Paragraph 19(c). This Program will aid County managers and field supervisors to adequately track scheduled operational and maintenance activities; evaluate operations, maintenance, customer service and Sewer System rehabilitation activities and improve overall Sewer System performance.	Work on the program was ongoing: 1. Continued working on transitioning PCTS software from Proliance to e-Builder, to enhance Construction Contracts Management project close-out business practices. 2. Continued the development of CMOM dashboard for performance measure and KPI tracking.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.
19(c)(x)	Geographic Information Systems Program	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 completing the estimated 1800 GIS backlog projects and estimated 2000 reported GIS data inconsistencies prior to June 7, 2017.	1. Manhole rim and pipe inverts and their inclusion into GIS - Completed. Updates continue as part of the GIS data maintenance process.	New data capture tools are being tested in the field. Updates to continue.
			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 2019 Annual Report.
			3. 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 2019 Annual Report.
			4. GIS Training Refresher Program - Ongoing.	Training courses continue to be offered on a monthly basis or for specific teams as requested.
			5. Electronic As-Built Submittal - Completed.	Updated with data validation tools and GIS base maps . Future enhancements, as necessary.
			6. GIS to Water Model Interface - Completed. Improvements continue as opportunities arise.	Implemented validation checks and reporting. Updates to continue.
19(d)	Sewer System Asset Management 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 December 31, 2019.
19(e)	Gravity Sewer System Operations and Maintenance Program	The Gravity Sewer System Operations and Maintenance Program is being developed in accordance with Paragraph 19(e) of the CD. This Program will address SSOs, particularly those caused by FOG, roots and/or debris obstructions. The program will facilitate proper operation and maintenance activities associated with gravity mains in the WCTS.	Work on the program was ongoing: 1. Continued to deploy Smart Covers to "hot spots" to closely monitor and prevent SSOs. 2. Developed a matrix to identify basins to achieve an inspection of 10% of the system. 3. Established cleaning cycle for the sewer system.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(f)	Pump Station Operations and Preventative Maintenance Program	The Pump Station Operations and Preventive Maintenance Program is being developed in accordance with Paragraph 19(f) of the CD. This Program will facilitate proper operation and maintenance activities associated with the Pump Stations within the WCTS.	Work on the program was ongoing.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.
19(g)	Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program	The Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program is being developed in accordance with Paragraph 19(g) of the CD. This program will facilitate proper operations and maintenance activities associated with Force Mains within the WCTS. It will also help produce a criticality assessment of the structural integrity of its Force Mains and the risk of Force Main critical failure. The Force main Rehabilitation/Replacement Program includes standard procedures for repairing, rehabilitating and replacing force mains.	Work on the Program was ongoing: 1.The Force Main Criticality Assessment and Prioritization Report was completed and submitted to the EPA/FDEP on July 17, 2018.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.
19(h)	WWTP Operations and Maintenance Program	The WWTP Operations and Maintenance Program is being developed in accordance with Paragraph 19(h) in the CD. This program will facilitate proper operation, maintenance and equipment replacement activities associated with the WWTPs.	Work on the program was ongoing:  1. Continued random collection of hauled waste as a standard practice. The random sample collection practice and procedures used at the SDWWTP are in accordance with EPA's Handbook Guidance Manual for Control of Hauled Wastes EPA-833-B-98-003, Section 24-42.4 of the Miami-Dade Code, and the Hauled Waste Guidance Manual.  2. RER-DERM/WASD Coordination Meetings were held at SD WWTP on March 13, 2019 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2019.  2. RER-DERM/WASD Coordination Meeting will be held at SD WWTP on July 10, 2019 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(j)	Financial Analysis Program	The Financial Analysis Program is being implemented in accordance with Paragraph 19(j) of the CD. The purpose of this program is to effectively establish and track the sufficiency of funds for operations and maintenance, capital projects financing, and debt service coverage associated with the Sewer System, including, without limitation, the continued Work pursuant to the CD.	Work on the program was ongoing. Financial Analysis Program Report, which includes the expenditures for both operating and capital from October 2017 to March 2018 can be found in Appendix C.	Work on the program will be ongoing and will continue beyond December 31, 2019.

**Table A-3.1 South District WWTP Capital Improvement Projects**

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

**Table A-3.1 South District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1.7	Digesters and 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 and construction continued.	Procurement will be completed and construction will continue.
1.8	Dewatering Facility	The SDWWTP Dewatering Facility project is being performed pursuant to Paragraph 19(i) and Appendix A. The purpose of this project is to replace the existing interim dewatering building with a new permanent dewatering facility. This will improve sludge dewatering and decrease solids accumulation in the secondary treatment process and prevent effluent limit violations. This project is being performed under design-build delivery method.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)	Procurement will continue.
1.9	FOG Removal Facility	The SDWWTP FOG Removal Facility project is being performed pursuant to Paragraph 19(j) and Appendix D. The current FOG separation tank is not capable of adequately handling solids load, resulting in excess odors and unanticipated manual labor to remove large amounts of grit, settled soils and hardened grease. The purpose of this project is to improve separation operations to the recently constructed FOG removal facility. This will result in the conveyance of oils and floating grease to a beneficial use option process and the removal of excess grit and settled solids.	This project reached substantial completion on March 26, 2019 ahead of the CD compliance date of May 24, 2019.	N/A
1.10	Odor Control	The SDWWTP Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to upgrade the odor control facilities.	Design continued and permitting started.	Design and permitting will continue.
1.11	General Electrical	The SDWWTP General Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1.1) SDWWTP Substation 9-12; 1.2) Generator Repairs; 2) Replacement of primary feeders from Main Switchgear A & B to Effluent Pump Station Pumps 1-6; 3) Replace Primary Feeders from Electrical Building 1 to Substations 7 & 8 9 - This work is part of Project 1.07.	1.11(1.1) Procurement (including Re-Bid) continued . 1.11(1.2) Re-Design was completed. Permitting commenced and procurement continued. 1.11(2) Procurement continued 1.11(3) Deleted. The scope of this project is part of Project 1.07 and will no longer be tracked as a separate child project.	1.11(1.1) Procurement (Re-Bid) will be completed and construction will commence. 1.11(1.2) Permitting and procurement will be completed. Construction will commence. 1.11(2) Procurement will be completed. Construction will commence.

**Table A-3.1 South District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1.12	Chlorine Contact Chamber Structural Rehabilitation	The SDWWTP Chlorine Contact Chamber Structural project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the structural rehabilitation and coating of chlorine contact chambers 1 through 4. This project was split into two child projects: 1.12(1) Chlorine Contact Chamber Actuator Replacement; and 1.12(2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement.	1.12(1) Actuator Replacement reached substantial completion on June 5, 2018.  1.12(2) Procurement for Structural rehab. of contact chambers # 3 and #4 commenced.	1.12(2) Procurement for Structural rehab. of contact chambers # 3 and #4 will be completed and construction will commence. Procurement for Structural rehab. of contact chamber #2 will commence.



**Table A-3.2 Central District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.1	Electrical Improvements	<p>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:</p> <ol style="list-style-type: none"> <li>1) CDWWTP General Electric In-house Construction - Substations 1 and 2.</li> <li>2) Substations 3, 4A, 4B, 5 &amp; 6 – This work is part of Project 2.27(2).</li> <li>3) Substations 9 &amp; 10 - This work is part of Project 2.10(1).</li> <li>4) Substations 11 &amp; 12 – This work is part of project 2.11.</li> <li>5) Substations 15 &amp; 16 – This work is part of Project 2.15(1).</li> <li>6) Substations 17 &amp; 18 – This work is part of Project 2.19(2a).</li> <li>7) Substations 7A, 8A, 9A &amp; 10A</li> </ol>	<p>Note: The majority of this work will be done in conjunction with other CD projects.</p> <p>2.1(1) Construction Sub-Stations 1 &amp; 2 Completed on May 5, 2016.</p> <p>2.1(2) Construction commenced.</p> <p>2.1(3) Construction continued.</p> <p>2.1(4) Procurement continued.</p> <p>2.1(5) Construction continued.</p> <p>2.1(6) Construction continued.</p> <p>2.1(7) Design was completed and permitting commenced.</p>	<p>2.1(2) Construction will continue.</p> <p>2.1(3) Construction will continue.</p> <p>2.1(4) Procurement will be completed and construction will commence.</p> <p>2.1(5) Construction will continue.</p> <p>2.1(6) Construction will be completed.</p> <p>2.1(7) Permitting will be completed and procurement will commence.</p>
2.2	Building Improvements	<p>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 &amp; Showers.</p>	<p>2.2(1a) Completed on June 1, 2015.</p> <p>2.2(1b) Construction was completed on January 17, 2018.</p> <p>2.2(1c) Completed on October 19, 2016.</p> <p>2.2(2) Construction activities suspended on October 31, 2017. Contractor terminated for convenience on June 7, 2018. Re-permitting and re-procurement were completed. Construction resumed.</p>	<p>2.2(2) Construction will continue.</p>
2.3	Headworks Plant 1	<p>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.</p>	<p>This project reached substantial completion on March 7, 2019 ahead of the CD compliance date of March 16, 2019.</p>	<p>N/A</p>
2.4	Headworks Plant 2	<p>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.</p>	<p>Construction continued.</p>	<p>Construction will be completed.</p>
2.5	Oxygenation Trains Plant 1	<p>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.</p> <p>Mixer retrofits were completed in early 2014.</p> <p>Structural rehabilitation work for Train #2 and Train #3 will be performed by WASD in-house forces during the dry seasons.</p>	<p>This project reached substantial completion on June 22, 2018 ahead of the CD compliance date of April 12, 2019.</p>	<p>N/A</p>

**Table A-3.2 Central District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.6	Oxygenation Trains Plant 2	The CDWWTP Oxygenation Trains Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application.	Procurement and construction continued.	Procurement will be completed and construction will continue.
2.7	Secondary Clarifiers Plant 1	The CDWWTP Secondary Clarifiers Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure and replace the sludge collection mechanisms in the plant. This project has been split in 3 child projects: 1) Secondary Clarifiers Plant 1 RAS pump discharge piping. 2) Secondary Clarifiers Plant 1 Train Mechanisms. 3) Secondary Clarifiers Plant 1 Structural Rehab.	2.7(1) Design continued and permitting commenced. 2.7(2) Construction continued. 2.7(3) Procurement and construction continued.	2.7(1) Design will be completed and permitting will continue. 2.7(2) Construction will continue. 2.7(3) Procurement and construction will continue.
2.8	Secondary Clarifiers Plant 2	The CDWWTP Secondary Clarifiers Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure, replace the sludge collection mechanisms in the plant and provide electrical equipment for new annex building. This project has been split into three child projects: 1) RAS pump discharge piping, 2) Train Mechanisms, and 3) Structural Rehab.	2.8(1) Construction continued. 2.8(2) Construction continued. 2.8(3) Procurement and construction continued.	2.8(1) Construction will continue. 2.8(2) Construction will continue. 2.8(3) Procurement and construction will continue.
2.9	RS Pump Stations Plant 1	The CDWWTP RS Pump Stations Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. Work on this project will be performed in conjunction with Project 2.7.	Design continued and permitting commenced.	Design will be completed and permitting will continue.
2.10	RS Pump Stations Plant 2	The CDWWTP RS Pump Stations Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. This project has been split into 2 separate child projects: 1) Return Sludge PS Plant 2 - RAS Pump, 2) Return Sludge PS Plant. 2 - RAS Line.	2.10(1) Construction continued. 2.10(2) Construction of RAS Header Pipe was completed on July 7, 2017.	2.10(1) Construction will continue.
2.11	Effluent 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.
2.15	Digesters Plant 2	The CDWWTP Digesters Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the complete rehabilitation of sludge digester clusters, i.e. roofs, concrete structures, recirculation and transfer pumps, mixers, and electrical pumps. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project has been split into 4 different child projects; 2.15(1) refers to digesters in cluster 1; 2.15(2) refers to digesters in cluster 2; 2.15(3) refers to digesters in cluster 3; and 2.15(4) refers to digesters in cluster 4.	2.15(1) Construction continued. 2.15(2) Construction continued. 2.15(3) Permitting was completed and procurement continued. 2.15(4) Child project deleted as approved by EPA.	2.15(1) Construction will continue. 2.15(2) Construction will continue. 2.15(3) Procurement will continue.

**Table A-3.2 Central District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.16	Dewatering Building	The CDWWTP Dewatering Building project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new combined thickening and dewatering facility and sludge cake conveyance system to the sludge storage buildings. This project is being performed under design-build delivery method.	Procurement continued. (Bid cancellation on May 30, 2018. Project was readvertised in November, 2018.)	Procurement will continue.
2.17	Chlorination Facilities	The CDWWTP Chlorination Facilities project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the design and construction of a new bulk sodium hypochlorite storage and dosing system in separate outdoor structures to replace the existing chlorine gas system.	This project reached substantial completion on July 27, 2018 ahead of the CD compliance date of October 15, 2018.	N/A
2.18	Odor Control Systems	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This involves the replacement of the motor control center of the odor control buildings including air-conditioned electrical rooms. It also involves replacement of odor control chemical pumps, piping, valves and gas stripping tower media. This project will be completed in conjunction with other related projects. A portion of this project 2.18(1) Headworks Odor Controls System, will be performed earlier in coordination with the Headworks projects (2.3/2.4). The remainder will be performed in coordination with the Dewatering project (2.16).	2.18(1) Construction continued. 2.18(2) Procurement continued. (Bid cancellation on May 30, 2018. (Project was readvertised in November, 2018.)	2.18(1) Construction will be completed. 2.18(2) Procurement will continue.
2.19	Co-Gen Facility	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the installation of two new cogeneration engines, cogeneration building improvements, replacement of biogas pipeline and installation of biogas conditioning system. Thus, this project has been split into separate "child" projects: 1) Co-Gen Generator Replacement, 2a) Co-Gen Biogas Treatment Facilities, and 2b) Co-Gen Restroom and Building Rehab.	2.19(1) Completed on January 27, 2016. 2.19(2a) Construction continued. 2.19(2b) Construction continued.	2.19(2a) Construction will continue. 2.19(2b) Construction will continue.
2.20	Septage Uploading	The CDWWTP Septage Unloading project is required under Paragraph 19(i) and Appendix D. The CD scope of this project included the construction of a new septage handling station to remove FOG from the main wastewater treatment stream and treat either through digestion or an off-site third part facility. However, the violation associated with this project was resolved by requiring all hauled waste to be sent to the South District WWTP as of January 2013.	Motion to delete Project 2.20 Septage Uploading at CD WWTP has been approved by the Court on December 28, 2016.	N/A

**Table A-3.2 Central District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.21	Pump Station 1	The CDWWTP Pump Station No. 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the pump station for the odor control system and rehabilitate the bar screen mechanisms.	Construction continued.	Construction will be completed.
2.22	Pump Station 2	The CDWWTP Pump Station No. 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the pump station odor control system, rehabilitation of bar screen mechanism, and replacement pump stations flow metering to improve maintenance accessibility.	Construction continued.	Construction will continue.
2.23	O <sub>2</sub> Plant Process Controls Phase 2	The CDWWTP O <sub>2</sub> Plant Process Controls project is being performed pursuant to Paragraph 19(i) and Appendix D. Existing oxygen production systems are either failing or obsolete. The purpose of this project is to replace existing oxygen production systems.	Construction was completed on April 25, 2016 ahead of the CD compliance date March 9, 2017.	N/A
2.24	Gas Monitoring	The CDWWTP Gas Monitoring project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to monitor gas levels and place alarms in hazardous areas.	Construction was completed on September 29, 2017.	N/A
2.25	Ventilation Improvements	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)N/A 2.25(2) Construction will be completed. 2.25(3) Construction will continue. 2.25(4) Construction will be completed. 2.25(5) Construction will be completed.
2.26	Rehabilitation of Walkways and Stairways	The CDWWTP Rehabilitation of Walkways and Stairways project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of corroded walkways, stairways, railings, grating throughout the plant. Work is being performed by in-house WASD resources.	Construction continued.	Construction will continue.

**Table A-3.2 Central District WWTP 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
2.27	Oxygen Production	The CDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing units are near the end of useful life and prone to failure. The purpose of this project is to construct a new 80 ton/day oxygen production cryogenic tower and air compression unit to provide full redundancy. This project was split into 2 "child" projects: 1) Oxygen Production Site Preparation, and 2) Oxygen Production Design-Build.	2.27(1) Oxygen Production Site Preparation was completed on June 29, 2017. 2.27(2) Design-Build commenced.	2.27(2) Design-Build will continue.
2.28	SCADA RTU Upgrades	The CDWWTP Building Improvements project was performed pursuant to Paragraph 19(i) and Appendix D. The old radio communication system was obsolete and it was difficult to procure parts. The purpose of the project was to upgrade the SCADA remote telemetry units to maintain operational sustainability.	This project was completed as of February 10, 2014 ahead of the CD compliance date March 29, 2014.	N/A
2.29	High Strength Influent Impact Study	The CDWWTP High Strength Influent Impact Study was performed pursuant to Paragraph 19(i) and Appendix D. The CDWWTP was experiencing an increase in TSS and BOD loading. This study investigated the sources and conceptualized solutions to eliminate or mitigate the change in plant influent characteristics.	Completed. Work started February 2013 and was completed June 5, 2014 ahead of the CD compliance date June 24, 2014.	N/A

**Table A-3.3 North District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
3.1	Headworks and Sludge Degritting Transfer	The NDWWTP Headworks and Sludge Degritting and Transfer project is being performed pursuant to Paragraph 19(i) and Appendix D. This project is a two-phase approach to improve the existing screening facilities at the NDWWTP. In Phase 1, bar screens are replaced with perforated plate screens and Phase 2 involves the upgrade of the pretreatment buildings for fire code compliance and replacement of primary sludge grit separation equipment.	Construction was completed on December 6, 2017 ahead of the CD compliance date of April 7, 2018.	N/A
3.2	Primary Clarifiers and Odor Control	The NDWWTP Primary Clarifiers and Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structures of the primary clarifiers, replacement of the mechanisms, installation of new flat type covers at each clarifier. It also involves the rehabilitation of the mechanical and odor control systems at the plant. This project was split into 2 child projects: 1) Replace Primary Clarifiers for Mechanisms #4 & 6, and 2) Primary Clarifiers and Odor Control (Remaining Scope of Work).	3.2(1) Construction was completed on February 20, 2019, ahead of CD compliance date of April 6, 2023. 3.2(2) Construction continued.	3.2(2) Construction will continue.
3.3	Oxygenation Trains	The NDWWTP Oxygenation Trains project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structures of the aeration tanks and its mechanical and electrical systems.	Design continued. Procurement for cleaning of Tank #5 was completed. Cleaning of Tank #5 was completed.	Design will continue.
3.4	Oxygen Production	The NDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the oxygen plant and its mechanical and electrical systems.	Design continued.	Design will continue.
3.5	Secondary Clarifiers	The NDWWTP Secondary Clarifiers project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the secondary clarifiers and its mechanical and electrical systems. This project was split into 2 child projects: 3.5(1) Replace Mechanisms # 1-10; and 3.5(2) Remaining Scope of Work.	3.5(1) This child project was completed on March 30, 2017. 3.5(2) Construction continued.	3.5(1) N/A 3.5(2) Construction will continue.
3.6	Disinfection	The NDWWTP Disinfection project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the chlorine gas storage, liquid chlorination and dosing system with bulk sodium hypochlorite storage and dosing system in the existing chlorine building.	Permitting was completed and construction commenced.	Construction will continue.
3.7	Effluent Disposal	The NDWWTP Effluent Disposal project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the installation of standby pumps to ensure effluent disposal capacity and the structural rehabilitation of the ocean outfall pump station wet well. All of the 3.07 work has been combined into a single project. The Deep Injection Well (DIW) mechanical and electrical equipment is being managed by WASD Plant Staff. The CD scope is limited to pumps 5-6, where pumps 1-4 will be funded through the overall WASD CIP.	The Ocean Outfall Pump Station rehabilitation was completed in March 2015. Construction of DIW Pump Station was completed on June 29, 2018.	N/A

**Table A-3.3 North District WWTP Capital Improvement Projects**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
3.8	Plant Wide Electrical	<p>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:</p> <p>1) NDWWTP General Electrical In House Construction Feeders 1 and 2 have been replaced.</p> <p>2) Electrical Feeders 3-6 Feeders 3-6 will be replaced in conjunction with Project 3.1.</p> <p>3) Electrical Feeders 7-8 Feeders 7 and 8 will be replaced along with Project 3.4.</p> <p>4) Electrical Feeders 9-10 &amp; 13-14 Feeders 11 &amp; 12 were completed due to recent upgrades performed on the deep injection well pump motors.</p>	<p>3.8(1) General Electrical In-house construction (Feeders 1-2) was completed on January 15, 2016.</p> <p>3.8(2) Electrical Feeders 3-6 (Project 3.1) was completed on December 6, 2017.</p> <p>3.8(3) Electrical Feeders 7-8 design continued.</p> <p>3.8(4) Design and construction continued.</p>	<p>3.8(1) N/A</p> <p>3.8(2) N/A</p> <p>3.8(3) Electrical Feeders 7-8 design will continue.</p> <p>3.8(4) Design will be completed. Permitting will commence and be completed. Construction will continue.</p>
3.9	Flood Mitigation	<p>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.</p>	<p>This project was completed on June 24, 2016, ahead of the CD compliance date of August 13, 2017.</p>	N/A
3.10	Yard Piping Replacement	<p>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.</p>	<p>Project was completed on May 24, 2016, ahead of the CD compliance date of December 4, 2021.</p>	N/A
3.11	SCADA RTU Upgrades	<p>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.</p>	<p>Project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.</p>	N/A



**Table A-4.1 Wastewater Collection and Transmission Lines**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
4.1	Collection System I/I Repairs	The Collection System I/I Repairs project is being performed in accordance with Paragraph 19(i) and Appendix D of the CD. The project targets defective gravity sewers with excessive inflow/infiltration. It involves rehabilitation of the Collection System, i.e. dig & replace mainlines and laterals, manhole replacement, cured-in-place liners and sectional liners and will be performed concurrently with other work.	Work on this project is ongoing.	Work on this project will continue.
4.2	Government Cut FM Phase 1 & 2	The Government Cut FM Phases 1 & 2 project was performed in accordance with Paragraph 19(i) and Appendix D. The purpose of this two-phase project is to replace critically damaged sections of 54-inch force main to avert catastrophic failures in Government Cut. This project involved the replacement of 54 inch FM with 60 inch FM from the water shaft in Government Cut to mainland Miami Beach.	Project was completed on the CD compliance date of September 30, 2013.	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	Rehabilitation of 54 inch PCCP FM in the City of Miami	This City of Miami Force Main Rehabilitation project is being performed pursuant to Paragraph 19(i) and Appendix D. A section of 54 inch force main in the City of Miami is deteriorated and has experienced failures. The project involves the rehabilitation of 2 miles of 54 inch PCCP FM by cured-in-place liner located on NW 2 Street between NW 67 Avenue and NW 37 Avenue in the City of Miami.	Construction of CD CIP 4.8 was completed on June 16, 2017.	N/A
4.9	Replace Approximately 30 miles of AC FM Transmission System	This Force Main Transmission System Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace asbestos cement force mains that have experienced failures and are difficult to locate in the field. This includes approximately 30 miles of AC FM transmission system. This project has been divided into multiple sub/child projects. See individual status of each project in Table A-4.2.	Design, permitting, procurement and construction continued. See individual status of each project in Table A-4.2.	Design, permitting, procurement and construction will continue. See individual status of each project in Table A-4.2.
4.10	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 was completed and procurement commenced.	Procurement will be completed. Construction will commence.
2	8	NE 14 Ave. & 191 St.	NE 14 Ave. & Miami Gardens Dr.	Construction for this project was completed on October 25, 2016.	N/A
3	6	PS 356	NW 53 Ct. & NW 195 Dr.	This project was completed on August 11, 2014.	N/A
4	8	NW 53 Ct. & NW 195 Dr.	NW 52 Ct. & NW 191 Dr.	This project was completed on August 11, 2014.	N/A
5	10	NW 52 Ct. & NW 191 St.	NW 52 Ct. & NW 188 Dr.	This project was completed on August 11, 2014.	N/A
6	6	PS 362	NW 52 Ct. & NW 190 Dr.	This project was completed on August 18, 2017.	N/A
7	10	NW 52 Ct. & NW 190 St.	NW 52 Ave. & NW 189 Ter.	This project was completed on August 18, 2017.	N/A
8	10	NW 52 Ct. & NW 188 St.	NW 52 Ave. & NW 183 St.	This project was completed on August 11, 2014.	N/A
9	8	PS 385	NW 29 Ct. & NW 199 St.	This project was completed on August 7, 2015.	N/A
10	12	NW 29 Ct. & NW 199 St.	NW 30 Pl. & NW 199 St.	This project was completed on August 7, 2015.	N/A
11	8	NW 29 Ct. & NW 199 St.	NW 28 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
12	6	PS 374	NW 28 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
13	12	NW 30 Pl. & NW 199 St.	NW 37 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
14	8	PS 368	NW 37 Ave. & NW 194 Ter.	This project was completed on June 3, 2015.	N/A
15	4	PS 375	NW 29 Pl. and NW 191 St.	This project was completed on June 3, 2015.	N/A
16	10	PS 427	NW 29 Pl. and NW 191 St.	This project was completed on June 3, 2015.	N/A

**Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System**

Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
17	10	NW 29 Pl. and NW 191 St.	NW 32 Ave. & NW 191 St.	This project was completed on June 3, 2015.	N/A
18	6	PS 376	NW 32 Ave. & NW 191 St.	This project was completed on June 3, 2015.	N/A
19	6	PS 377	NW 36 Ave. & NW 183 St.	This project was completed on June 3, 2015.	N/A
20	8	PS 366	NW 42 Pl. & NW 199 Ter.	This project was completed on March 6, 2017.	N/A
21	10	NW 42 Pl. & NW 199 Ter.	NW 39 Ct. & NW 199 St.	This project was completed on March 6, 2017.	N/A
22	6	PS 358	PS 352	This project was completed on March 1, 2017.	N/A
23	8	PS 1022	PS 1072	This project was completed on June 15, 2018.	N/A
24	8	PS 353	NW 48 Ct. & NW 178 Ter.	This project was completed on October 27, 2016.	N/A
25	10	NW 52 Ave. & NW 173 Dr.	NW 52 Ave. & NW 178 Ter.	This project was completed on April 3, 2017.	N/A
26	6	PS 354	NW 52 Ave. & NW 173 Dr.	This project was completed on April 3, 2017.	N/A
27	4	Pvt. PS @ SW 149 Ter.	MH 14 @ PS 719	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
28	8	PS 786	MH 5 @ PS 785	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
29	12	PS 811	SW 107 Ave. & SW 76 St.	Construction continued.	Construction will be completed.
30	12	PS 811	SW 102 Ave. & SW 81 St.	Construction continued.	Construction will be completed.
31	10	PS 812	SW 102 Ave. & SW 84 St.	Construction continued.	Construction will be completed.
32	12	SW 107 Ave. & SW 104 St.	SW 107 Ave. & Kendale Blvd.	This project was completed on October 13, 2017.	N/A

**Table A-4.2 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
33	4	Pvt. PS @ 114 Ave. & SW 169 St.	MH 59 @ SW 103 Ave.	This project was completed on August 12, 2016.	N/A
34	10	PS 709	Homestead Ave. & Kumquat St.	Construction commenced.	Construction will continue.
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	Construction commenced.	Construction will continue.
36	4	PS 721	US1 & Banyan St.	Construction commenced.	Construction will continue.
37	4	PS 749	PS 731	Construction commenced.	Construction will continue.
38	4	PS 747	US1 & East Indigo St.	Construction commenced.	Construction will continue.
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	Construction commenced.	Construction will continue.
40	8	PS 745	SW 102 Ave. & SW 175 St.	Construction commenced.	Construction will continue.
41	4	PS 731	SW Duval Ave. & West Indigo St.	Construction commenced.	Construction will continue.
42	10	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	Construction commenced.	Construction will continue.
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	Construction commenced.	Construction will continue.
44	8	PS 810	SW 118 Pl. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
45	12	PS 793	SW 118 Pl. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
46	6	PS 724	SW 106 Ave. & SW 155 St.	Construction commenced.	Construction will continue.
47	8	PS 869	SW 122 Ave. & SW 88 St.	This project was completed on February 1, 2017.	N/A
48	10	PS 1017	SW 123 Pl. & SW 268 St.	Construction continued.	Construction will be completed.
49	10	PS 1029	SW 132 Ave. & 268 St.	Construction continued.	Construction will be completed.
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	Construction continued.	Construction will be completed.
51	10	PS 1028	SW 137 Ave. & 288 St.	Construction continued.	Construction will be completed.
52	10	PS 1027	SW 132 Ave. & 280 St.	Construction continued.	Construction will be completed.
53	8	PS 1018	MH 44A @ SW 132 Ave.	Construction continued.	Construction will be completed.
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.
56	8	PS 864	SW 147 Ave. & SW 72 St.	Cut and Plug Design was completed and procurement commenced.	Procurement will be completed. Construction will commence.

**Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System**

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

**Table A-5.1 Sewer Pump Station Systems**

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

**Table A-5.1 Sewer Pump Station Systems**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.8	Replacement of Electrical and Mechanical Equipment PS No. 0107	The Replacement of Electrical and Mechanical Equipment PS No. 0107 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond of the PS is beyond its useful life and parts are not readily available for the load cell type controllers. This project involves the replacement of pumping and electrical equipment of PS 0107.	Construction was completed on February 23, 2018 ahead of CD compliance date of January 27, 2019.	N/A
5.9	Replacement of Pumping and Electrical Equipment PS No. 0301	The Replacement of Pumping and Electrical Equipment PS No. 0301 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a new pump station is needed to address future capacity needs, sea level rise and storm surge. Phase 1 of the project involves the replacement of the pumps, electrical equipment and generators, in addition to rehabilitation of the HVAC equipment of PS 0301. Phase 2 will include the construction of a new submersible pump station.	Design was completed. Permitting and procurement continued.	Permitting and procurement will be completed. Construction will commence.
5.10	Upgrade of PS No. 0488	The Upgrade of PS No. 0488 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond its useful life. This project involves the conversion of the PS a submersible type station.	This project was completed on December 8, 2016 ahead of the CD compliance date of May 9, 2018.	N/A
5.11	Installation of 60 inch FM from Kendall Dr. to PS No. 0536	Currently, there is a pressure differential and increase flow transfer between PS 0559 and PS 0536. The purpose of this project was originally to install a 60 inch FM from Kendall Dr. to PS 0536 to eliminate the 42 inch reduction in the 60 inch FM. System reviews and analysis has determined that the installation of a 48 inch cross connection between the existing 72 inch effluent FM to an existing 48 inch force main will accomplish the desired reduction in pressure differential.	Construction was completed on February 13, 2019, ahead of CD compliance date of May 18, 2019.	N/A
5.12	Replacement of Switchgear PS No. 0187	The Replacement of Switchgear PS No. 0187 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing PS equipment is beyond its useful life and parts are not readily available. This project involves the demolition of the four (4) existing 450 hp pumps (3 two-speed, and 1 with Anvic Drive) and the installation of four (4) new 450 hp pumps and motors, with new VFDs, replacement of electrical switchgear, HVAC and lighting upgrades, expansion of Electrical Room, generator upgrades, and replacement of plug valves and control valves.	This project reached substantial completion on March 25, 2019, ahead of the CD compliance date of March 26, 2019.	N/A
5.13	Refurbish Emergency Generators and Controls at Regional PSs	The Refurbish Emergency Generators and Controls at regional PSs project is being performed pursuant to Paragraph 19(i) and Appendix D. The emergency backup generators are unreliable due to the age of the controllers and the condition of the wiring on the engines. The purpose of this project is to refurbish emergency generators and controls at regional PSs.	Construction was completed on February 4, 2016, ahead of the CD compliance date of July 20, 2016.	N/A



**Table A-5.1 Sewer Pump Station Systems**

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.14	Upgrade of PSs Nos. 0086 and 0492	The Upgrade of Pump Stations No. 0086 and 0492 project was performed and completed pursuant to Paragraph 19(i) and Appendix D. The project was designed to increase reliability and extend the service life of the pump station. The pump stations also exceeded the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. For this project, Pump Station No. 0086 was converted to a submersible type pump station with an existing wet well and the electrical controls and instrumentation were upgraded. The electrical controls and instrumentation for Pump Station No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	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.	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	<p>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:</p> <ol style="list-style-type: none"> <li>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.</li> <li>2) Pump Station No. 0437 Upgrade.</li> <li>3) Pump Station No. 0466 Compliance Project.</li> <li>4) Pump Station No. 0680 Upgrade.</li> </ol>	This project was completed on January 24, 2018.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.17	Upgrade of PSs Nos. 0037, 0351, 0370, 0403	<p>The Upgrade of PSs No. 0037, 0351, 0370, 0403 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0037 project involves the conversion to a new submersible type pump station and an electrical upgrade. The PS No. 0351 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the replacement of 360 L.F. of 4 inch with 8 inch FM. The PS No. 0370 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 760 L.F. of new 8 inch FM. The PS No. 0403 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of an on-site generator. This project is split into four (4) different sub/child projects (one per pump station).</p> <p>5.17(1) Pump Station 0037 Compliance Project                      5.17(2) Pump Station No. 0351 Upgrade                      5.17(3) Pump Station No. 0370 Upgrade and Installation of FM                      5.17(4) Pump Station 0403 Upgrade</p>	<p>This project was completed on April 30, 2018 ahead of CD compliance date of November 20, 2018.</p> <p>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.</p>	N/A
5.18	Upgrade of PSs Nos. 0441, 0491, 0710, 0827, 0852, 1236	<p>The Upgrade of PSs No. 0441, 0491, 0710, 0827, 0852, 1236 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0441 project involves the conversion to a new submersible type pump station and an electrical upgrade. PS No. 0491 is undergoing flow isolation and I/I repairs if necessary. The PS No. 710 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 1,800 L.F. of new 8 inch FM. The PS No. 0827 is being upgraded to include larger submersible pumps, installation of a new valve vault, an electrical upgrade and the replacement of 1,600 L.F. of 4 inch FM with 8 inch FM. The PS No. 0852 project involves the conversion to a new submersible type pump station and an electrical upgrade. PS No. 1236 is undergoing 300 I/I repairs to achieve a flow of 130 gpm. This project is split into six (6) different sub/child projects.</p> <p>1) Pump Station 0441 Upgrade                      2) Pump Station 0491 Compliance Project                      3) Pump Station 0710 Compliance Project                      4) Pump Station 0827 Compliance Project                      5) Pump Station 0852 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.</p>	<p>5.18(1) Construction continued.                      5.18(2) Construction continued.                      5.18(3) Construction continued.                      5.18(4) Construction continued.                      5.18(5) Construction continued.                      5.18(6) Completed on May 1, 2017.</p>	<p>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.</p>
5.19	SCADA RTU Upgrades	<p>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.</p>	<p>Construction was completed on November 23, 2015 ahead of the CD compliance date March 18, 2016.</p>	N/A

**Appendix B**  
**Project Schedules Gantt Chart**

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Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
<b>WASD Consent Decree Schedule - June 2019 Update</b>					6387	14-Aug-09 A	06-Jun-28																													
<b>0. General Compliance Activities</b>					5480	06-Jun-13 A	06-Jun-28																													
<b>Program Milestones</b>					5480	06-Jun-13 A	06-Jun-28																													
General Compliance Activity					5480	06-Jun-13 A	06-Jun-28																													
MC10000	Date of Lodging (DOL)	0	06-Jun-13 A																																	
MC10010	Effective Date - 6 months from DOL	0	06-Dec-13 A																																	
MC10030	Date of Entry (DOE)	0	09-Apr-14 A																																	
MC10020	CIP Completion Milestone - 15 Years from DOL	0		06-Jun-28*																																
<b>Reporting Requirements</b>					2164	31-Mar-14 A	02-Mar-20																													
<b>Quarterly Reports</b>					2132	31-Mar-14 A	30-Jan-20																													
General Compliance Activity					2132	31-Mar-14 A	30-Jan-20																													
PM10020	2014 Quarterly Report No 1	25	31-Mar-14 A	24-Apr-14 A																																
PM10030	2014 Quarterly Report No 2	29	30-Jun-14 A	28-Jul-14 A																																
PM10050	2014 Quarterly Report No 3	31	30-Sep-14 A	30-Oct-14 A																																
PM10060	2014 Quarterly Report No 4	31	31-Dec-14 A	30-Jan-15 A																																
PM10090	2015 Quarterly Report No 1	32	31-Mar-15 A	01-May-15 A																																
PM10100	2015 Quarterly Report No 2	31	30-Jun-15 A	30-Jul-15 A																																
PM10120	2015 Quarterly Report No 3	31	30-Sep-15 A	30-Oct-15 A																																
PM10130	2015 Quarterly Report No 4	29	31-Dec-15 A	28-Jan-16 A																																
PM50020	2016 Quarterly Report No 1	33	31-Mar-16 A	02-May-16 A																																
PM50030	2016 Quarterly Report No 2	33	30-Jun-16 A	01-Aug-16 A																																
PM50040	2016 Quarterly Report No 3	32	30-Sep-16 A	31-Oct-16 A																																
PM50050	2016 Quarterly Report No 4	32	31-Dec-16 A	31-Jan-17 A																																
PM50220	2017 Quarterly Report No 1	32	31-Mar-17 A	01-May-17 A																																
PM50230	2017 Quarterly Report No 2	93	30-Jun-17 A	31-Jul-17 A																																
PM50240	2017 Quarterly Report No 3	31	30-Sep-17 A	30-Oct-17 A																																
PM50250	2017 Quarterly Report No 4	32	31-Dec-17 A	30-Jan-18 A																																
PM50260	2018 Quarterly Report No 1	31	31-Mar-18 A	30-Apr-18 A																																
PM50270	2018 Quarterly Report No 2	31	30-Jun-18 A	26-Jul-18 A																																
PM50280	2018 Quarterly Report No 3	31	30-Sep-18 A	30-Oct-18 A																																
PM50290	2018 Quarterly Report No 4	32	31-Dec-18 A	29-Jan-19 A																																
PM50580	2019 Quarterly Report No 1	32	31-Mar-19 A	29-Apr-19 A																																
PM50590	2019 Quarterly Report No 2	31	30-Jun-19*	30-Jul-19																																
PM50600	2019 Quarterly Report No 3	31	30-Sep-19*	30-Oct-19																																
PM50610	2019 Quarterly Report No 4	31	31-Dec-19*	30-Jan-20																																
<b>Semi Annual Reports</b>					2042	30-Jun-14 A	31-Jan-20																													
General Compliance Activity					2042	30-Jun-14 A	31-Jan-20																													
PM10040	2014 Semi Annual Report No 1	31	30-Jun-14 A	30-Jul-14 A																																
PM10070	2014 Semi Annual Report No 2	34	31-Dec-14 A	02-Feb-15 A																																
PM10110	2015 Semi Annual Report No 1	31	30-Jun-15 A	30-Jul-15 A																																
PM10150	2015 Semi Annual Report No 2	32	31-Dec-15 A	01-Feb-16 A																																
PM50060	2016 Semi Annual Report No 1	33	30-Jun-16 A	01-Aug-16 A																																
PM50070	2016 Semi Annual Report No 2	32	31-Dec-16 A	31-Jan-17 A																																
PM50300	2017 Semi Annual Report No 1	93	30-Jun-17 A	31-Jul-17 A																																
PM50310	2017 Semi Annual Report No 2	32	31-Dec-17 A	31-Jan-18 A																																
PM50320	2018 Semi Annual Report No 1	32	30-Jun-18 A	30-Jul-18 A																																
PM50330	2018 Semi Annual Report No 2	32	31-Dec-18 A	31-Jan-19 A																																
PM50620	2019 Semi Annual Report No 1	31	30-Jun-19*	30-Jul-19																																
PM50630	2019 Semi Annual Report No 2	32	31-Dec-19*	31-Jan-20																																
<b>Annual Report</b>					1889	31-Dec-14 A	02-Mar-20																													
General Compliance Activity					1889	31-Dec-14 A	02-Mar-20																													
PM10080	2014 Annual Report	62	31-Dec-14 A	02-Mar-15 A																																
PM10140	2015 Annual Report	62	31-Dec-15 A	01-Mar-16 A																																
PM50080	2016 Annual Report	62	30-Dec-16 A	01-Mar-17 A																																
PM50340	2017 Annual Report	61	31-Dec-17 A	01-Mar-18 A																																
PM50350	2018 Annual Report	61	31-Dec-18 A	01-Mar-19 A																																
PM50640	2019 Annual Report	63	31-Dec-19*	02-Mar-20																																
<b>Program Management/Construction Management Support</b>					3549	06-Jun-14 A	22-Feb-24																													
General Compliance Activity					3549	06-Jun-14 A	22-Feb-24																													
PM50000	Program Management/Construction Management	3549	06-Jun-14 A	22-Feb-24																																
<b>1. South District WWTP</b>					4381	14-Aug-09 A	16-Nov-25																													
<b>1.01 Headworks</b>					1856	14-Aug-09 A	02-Mar-20																													
Engineering Design					449	02-Feb-15 A	26-Apr-16 A																													
SD10100	Engineering Design - SD Headworks	26	02-Feb-15 A	27-Feb-15 A																																



# MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE

- █ Summary (Remaining)
- █ Summary (Actual)
- █ Approved EPA Dates
- █ Actual Work
- █ Remaining Work
- █ Critical Rem. Work
- ◆ Milestone
- ▬ WBS Summary

Date	Revision	Checked	Approved
14-Jul-14	Revision 0	GSR	DH
15-Apr-19	Mar 2019 Update		
15-May-19	Apr 2019 Update		
17-Jun-19	May 2019 Update		
13-Jul-19	June 2019 Update		





Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Pre-Design</b>					<ul style="list-style-type: none"> <li>Technical Memo (TM) - SD Chlorine Building</li> <li>TM Review Period - SD Chlorine Building</li> <li>EPA Start Date for Engineering Design - SD Chlorine Building</li> <li>30% Design Submittal - SD Chlorine Building</li> <li>30% Design Review - SD Chlorine Building</li> <li>60% Design Submittal / Review - SD Chlorine Building</li> <li>EPA Compliance Date for Engineering Design - SD Chlorine Building</li> <li>100% Design Submittal - SD Chlorine Building</li> <li>Engineering Design - SD Chlorine Building</li> <li>100% Design Review/Permit Ready Submittal - SD Chlorine Building</li> <li>Permitting - SD Chlorine Building</li> <li>EPA Start Date for Permitting - SD Chlorine Building</li> <li>EPA Compliance Date for Permitting - SD Chlorine Building</li> <li>Procurement - SD Chlorine Building</li> <li>Internal Bid Package Review - SD Chlorine Building</li> <li>Design Documents Sent to Procurement - SD Chlorine Building</li> <li>Submit/Approve SBD Goals and Request to Advertise - SD Chlorine Building</li> <li>Advertise Bid Package - SD Chlorine Building</li> <li>EPA Start Date for Procurement - SD Chlorine Building</li> <li>Bid Solicitation Period - SD Chlorine Building</li> <li>Bids Due - SD Chlorine Building</li> <li>Bid Review Period - SD Chlorine Building</li> <li>Award Recommendation - SD Chlorine Building</li> <li>Procurement - SD Chlorine Building - SD Chlorine Building</li> <li>Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Chlorine Building</li> <li>EPA Compliance Date for Procurement - SD Chlorine Building - SD Chlorine Building</li> </ul>																																	
<b>Engineering Design</b>																																						
<b>Permitting</b>																																						
<b>Procurement</b>																																						
<b>Construction</b>																																						
<b>Project Administration</b>																																						
<b>1.03 (3) - Oxygenation Trains - SS 5/6 and SS 15/16 (OOL ST-2D)</b>																																						
<b>Pre-Design</b>																																						
<b>Engineering Design</b>																																						
<b>Permitting</b>																																						
<b>Procurement</b>																																						
<b>Construction</b>																																						
<b>Project Administration</b>																																						
<b>1.04 Chlorine Building</b>																																						
<b>Pre-Design</b>																																						
<b>Engineering Design</b>																																						
<b>Permitting</b>																																						
<b>Procurement</b>																																						

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																							
					2016	2017	2018	2019	2020	2021	2022	2023	2024															
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>Construction</b>					1036	06-Oct-20	07-Aug-23																					
SD10518	Contractor Notice to Proceed (NTP) - SD Chlorine Building	0	06-Oct-20																									
SD43070	EPA Start Date for Construction - SD Chlorine Building - SD Chlorine Building	0	10-Apr-21*																									
SD10520	Construction - SD Chlorine Building - SD Chlorine Building	418	06-Oct-20	27-Nov-21																								
SD44790	Commissioning - SD Chlorine Building	30	29-Oct-21	27-Nov-21																								
SD10580	Substantial Completion (CD Compliance Date 8/07/23) - SD Chlorine Building	0		27-Nov-21*																								
SD40030	Project Closeout - SD Chlorine Building	90	28-Nov-21	25-Feb-22*																								
SD42090	EPA Compliance Date for Construction - SD Chlorine Building - SD Chlorine Building	0		07-Aug-23*																								
<b>Project Administration</b>					1363	17-Jul-18 A	25-Feb-22																					
SD35040	WASD Project Administration - SD Chlorine Building	1363	17-Jul-18 A	25-Feb-22																								
<b>1.05 Effluent Pump Station</b>					3062	19-Nov-13 A	07-Apr-22																					
<b>Engineering Design</b>					1654	19-Nov-13 A	27-Jul-18 A																					
SD43080	EPA Start Date for Engineering Design - SD Effluent Pump Station	0	01-Sep-16 A																									
SD42100	EPA Compliance Date for Engineering Design - SD Effluent Pump Station**	0		17-May-18 A																								
SD10170	Engineering Design - SD Effluent Pump Station	1618	19-Nov-13 A	27-Jul-18 A																								
<b>Permitting</b>					1837	19-Nov-13 A	14-Dec-18 A																					
SD43090	EPA Start Date for Permitting - SD Effluent Pump Station	0	18-May-18 A																									
SD42110	EPA Compliance Date for Permitting - SD Effluent Pump Station	0		17-Nov-18 A																								
SD10240	Permitting - SD Effluent Pump Station	1798	19-Nov-13 A	14-Dec-18 A																								
<b>Procurement</b>					2003	18-Feb-14 A	13-Oct-19																					
SD43100	EPA Start Date for Procurement - SD Effluent Pump Station	0	18-Nov-18 A																									
SD42120	EPA Compliance Date for Procurement - SD Effluent Pump Station	0		13-Aug-19*																								
SD10320	Procurement - SD Effluent Pump Station	1980	18-Feb-14 A	13-Oct-19																								
<b>Construction</b>					2880	20-May-14 A	07-Apr-22																					
SD43110	EPA Start Date for Construction - SD Effluent Pump Station	0	14-Aug-19*																									
SD10410	Construction - SD Effluent Pump Station	2609	20-May-14 A	02-Oct-21																								
SD10570	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent Pump Station	0		02-Oct-21*																								
SD42130	EPA Compliance Date for Construction - SD Effluent Pump Station	0		07-Apr-22*																								
<b>1.05 (1) Effluent Pump Station Wetwell Rehab</b>					2443	19-Nov-13 A	27-Jul-20																					
<b>Pre-Design</b>					233	05-Jul-16 A	23-Feb-17 A																					
SD42630	Pre-Design - Structural Rehab Wetwells	234	05-Jul-16 A	23-Feb-17 A																								
<b>Engineering Design</b>					133	24-Feb-17 A	07-Jul-17 A																					
SD41740	Engineering Design - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A																								
SD42660	Engineering Design Wetwell #4 - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A																								
SD43790	Engineering Design Wetwells #1-3 - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A																								
<b>Procurement</b>					394	27-Oct-17 A	31-Oct-19																					
SD42700	Procurement Wetwell #1 Piping - Structural Rehab Wetwells	35	27-Oct-17 A	23-Jan-18 A																								
SD42710	Procurement Wetwell #2 - Structural Rehab Wetwells	35	27-Oct-17 A	23-Jan-18 A																								
SD44630	Change Order Approval Wetwell #1 - Structural Rehab Wetwells	17	01-Aug-18 A	21-Aug-18 A																								
SD41750	Procurement - Structural Rehab Wetwells	0	27-Oct-17 A	31-Oct-19																								
SD42690	Procurement Wetwells #3 & 4 - Structural Rehab Wetwells	90	23-Aug-18 A	31-Oct-19																								
<b>Construction</b>					1989	16-Feb-15 A	27-Jul-20																					
SD30120	Wetwell #1 Piping - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A																								
SD30130	Structural Rehab Wetwell #2 - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A																								
SD44620	Structural Rehab Wetwell #1 - SD Effluent PS Wetwell Rehab	75	27-Sep-18 A	18-Apr-19 A																								
SD30020	Structural Rehab Wetwell #3 - SD Effluent PS Wetwell Rehab	180	01-Nov-19	28-Apr-20																								
SD30110	Structural Rehab Wetwell #4 - SD Effluent PS Wetwell Rehab	180	01-Nov-19	28-Apr-20																								
SD11042	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Wetwell Rehab	0		28-Apr-20*																								
SD31740	Construction - Structural Rehab Wetwells	1472	16-Feb-15 A	29-Apr-20																								
SD42860	Project Closeout - SD Effluent PS Wetwell Rehab	90	29-Apr-20	27-Jul-20*																								
<b>Project Administration</b>					1582	19-Nov-13 A	28-Apr-20																					
SD35050	WASD Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & WW Rehab	1582	19-Nov-13 A	28-Apr-20																								
<b>1.05 (2) Effluent Pump Station Building Improvements &amp; Pumps 1-6 Equip.</b>					2130	03-Mar-16 A	31-Dec-21																					
<b>Pre-Design</b>					592	03-Mar-16 A	24-Oct-17 A																					
SD11192	Pre-Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	134	03-Mar-16 A	14-Jul-16 A																								
SD41850	Negotiate Remaining Balance of Work - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	410	01-Sep-16 A	24-Oct-17 A																								
<b>Engineering Design</b>					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																								
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																								
SD20420	BODR Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	7	12-Dec-17 A	18-Dec-17 A																								
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																								
SD20450	60% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	77	06-Jan-18 A	23-Mar-18 A																								
SD20460	60% Design Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	14	24-Mar-18 A	16-Apr-18 A																								
SD20470	100% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	73	17-Apr-18 A	18-Jun-18 A																								
SD11102	Engineering Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	191	24-Oct-17 A	27-Jul-18 A																								
SD40150	100% Design Review/Permit Ready Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	25	19-Jun-18 A	27-Jul-18 A																								
<b>Permitting</b>					170	16-Aug-18 A	14-Dec-18 A																					
SD11112	Permitting - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	170	16-Aug-18 A	14-Dec-18 A																								
<b>Procurement</b>					287	14-Nov-18 A	13-Oct-19																					
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																									
SD30580	Submit/Approve SBD Goals and Request to Advertise - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	07-Dec-18 A	07-Feb-19 A																								
SD30590	Advertise Bid Package - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	07-Feb-19 A																									







Activity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
SD10140	Construction - SD Digesters & Control Building	1200	08-Aug-18 A	20-Nov-21	Construction																							
SD44820	Commissioning - SD Digesters & Control Building	30	22-Oct-21	20-Nov-21	Commissioning - SD Digesters & Control Building																							
SD10560	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building	0		20-Nov-21*	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building																							
SD40060	Project Closeout - SD Digesters & Control Building	180	21-Nov-21	19-May-22*	Project Closeout - SD Digesters & Control Building																							
SD42210	EPA Compliance Date for Construction - SD Digesters & Control Building	0		21-Nov-23*	EPA Compliance Date for Construction - SD Digesters & Control Building																							
Project Administration					Project Administration - EPA Compliance																							
SD35080	WASD Project Administration - SD Digesters & Control Building	2778	30-Jun-14 A	19-May-22	WASD Project Administration - SD Digesters & Control Building																							
1.08 Dewatering Facility					1.08 Dewatering Facility																							
Pre-Design					Pre-Design																							
SD11222	Pre-Design - SD Dewatering Facilities	71	19-Dec-14 A	28-Feb-15 A	Pre-Design - SD Dewatering Facilities																							
Engineering Design					Engineering Design																							
SD43200	EPA Start Date for Engineering Design - SD Dewatering Facilities**	0	01-Jul-14 A		EPA Start Date for Engineering Design - SD Dewatering Facilities**																							
SD42220	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**	0		13-Apr-15 A	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**																							
SD20000	Basis of Design Report (BODR) - SD Dewatering Facilities	234	13-Apr-15 A	02-Dec-15 A	Basis of Design Report (BODR) - SD Dewatering Facilities																							
SD10030	Engineering Design (DCP) - SD Dewatering Facilities	467	13-Apr-15 A	29-Mar-16 A	Engineering Design (DCP) - SD Dewatering Facilities																							
SD41100	Issue Final RDBS - SD Dewatering Facilities	0		29-Mar-16 A	Issue Final RDBS - SD Dewatering Facilities																							
SD20020	Design Criteria Package Initial Submittal - SD Dewatering Facilities	146	03-Dec-15 A	26-Apr-16 A	Design Criteria Package Initial Submittal - SD Dewatering Facilities																							
SD20800	Pilot Testing of Thickening Process - SD Dewatering Facilities	253	21-Aug-15 A	29-Apr-16 A	Pilot Testing of Thickening Process - SD Dewatering Facilities																							
SD20030	DCP Design Review - SD Dewatering Facilities	25	25-Apr-16 A	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																							
Permitting					Permitting																							
SD20070	FDEP Permit - SD Dewatering Facilities	167	29-Jan-16 A	14-Jul-16 A	FDEP Permit - SD Dewatering Facilities																							
Procurement					Procurement																							
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 Dewatering 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		Advertise RDBS - SD Dewatering Facilities																							
SD31630	Request for Qualifications - SD Dewatering Facilities	59	20-Jul-16 A	16-Sep-16 A	Request for Qualifications - SD Dewatering Facilities																							
SD31640	Qualifications Package Due - SD Dewatering Facilities	0	17-Sep-16 A		Qualifications Package Due - SD Dewatering Facilities																							
SD31650	Qualification Review Period - SD Dewatering Facilities	91	17-Sep-16 A	16-Dec-16 A	Qualification Review Period - SD Dewatering Facilities																							
SD31660	Shortlist Published - SD Dewatering Facilities	0		16-Dec-16 A	Shortlist Published - SD Dewatering Facilities																							
SD31670	Request for Proposals - SD Dewatering Facilities	101	24-Jan-17 A	04-May-17 A	Request for Proposals - SD Dewatering Facilities																							
SD31680	Proposals Due - SD Dewatering Facilities	0	05-May-17 A		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	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities																							
SD44740	Bid Cancellation - SD Dewatering Facilities	0		30-May-18 A	Bid Cancellation - SD Dewatering Facilities																							
SD44760	TA Re-Negotiation and Approval - SD Dewatering Facilities	60	11-May-18 A	23-Jul-18 A	TA Re-Negotiation and Approval - SD Dewatering Facilities																							
SD45170	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	28-Aug-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments																							
SD45180	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																							
SD45190	Project Advertisement (after signed RTA) - SD Dewatering Facilities	0		08-Nov-18 A	Project Advertisement (after signed RTA) - SD Dewatering Facilities																							
SD45220	Select and Approve Competitive Selection Committee (CSC) - SD Dewatering Facilities	40	19-Sep-18 A	04-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - SD Dewatering Facilities																							
SD45200	Step 1 - Submittal Due Date - SD Dewatering Facilities	40	09-Nov-18 A	11-Jan-19 A	Step 1 - Submittal Due Date - SD Dewatering Facilities																							
SD45210	Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities	30	12-Jan-19 A	06-Mar-19 A	Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities																							
SD45370	Issue DCP and Request for Proposals - SD Dewatering Facilities	15	12-Mar-19 A	19-Mar-19 A	Issue DCP and Request for Proposals - SD Dewatering Facilities																							
SD45240	Step 2 Submittal Due Date - SD Dewatering Facilities	54	18-Mar-19 A	10-May-19 A	Step 2 Submittal Due Date - SD Dewatering Facilities																							
SD45260	Step 2 Meeting - SD Dewatering Facilities	30	10-May-19 A	12-Jun-19 A	Step 2 Meeting - SD Dewatering Facilities																							
SD45250	Step 2 Proposal Review and Evaluation - SD Dewatering Facilities	76	11-May-19 A	12-Jun-19 A	Step 2 Proposal Review and Evaluation - SD Dewatering Facilities																							
SD45270	Negotiation Memo submitted to the County Mayor/County Mayor's designee - SD Dewatering Facilities	60	13-Jun-19 A	11-Aug-19	Negotiation Memo submitted to the County Mayor/County Mayor's designee - SD Dewatering Facilities																							
SD45280	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director) - SD Dewatering Facilities	40	12-Aug-19	20-Sep-19	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director) - SD Dewatering Facilities																							
SD45290	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Dewatering Facilities	60	21-Sep-19	19-Nov-19	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Dewatering Facilities																							
SD45320	Negotiations Concluded (2nd meeting) and preparation of final Contract - SD Dewatering Facilities	60	20-Nov-19	18-Jan-20	Negotiations Concluded (2nd meeting) and preparation of final Contract - SD Dewatering Facilities																							
SD45330	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities	60	19-Jan-20	18-Mar-20	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities																							
SD45340	Submit Contract Award Recommendation/Contract for internal approvals - SD Dewatering Facilities	40	19-Mar-20	27-Apr-20	Submit Contract Award Recommendation/Contract for internal approvals - SD Dewatering Facilities																							
SD45300	Submit Item to Agenda Coordinator for committee & BCC Ratification - SD Dewatering Facilities	90	28-Apr-20	26-Jul-20	Submit Item to Agenda Coordinator for committee & BCC Ratification - SD Dewatering Facilities																							
SD10110	Procurement - SD Dewatering Facilities	679	29-Mar-16 A	16-Aug-20	Procurement - SD Dewatering Facilities																							
SD44720	Repackage and Rebid Project - SD Dewatering Facilities	739	09-Aug-18 A	16-Aug-20	Repackage and Rebid Project - SD Dewatering Facilities																							
SD45310	Issue NTP - SD Dewatering Facilities	21	27-Jul-20	16-Aug-20	Issue NTP - SD Dewatering Facilities																							
Design-Build					Design-Build																							
SD43230	EPA Start Date for Construction - SD Dewatering Facilities	0	10-Jan-18 A		EPA Start Date for Construction - SD Dewatering Facilities																							
SD31730	Design-Builder NTP - SD Dewatering Facilities	0	17-Aug-20		Design-Builder NTP - SD Dewatering Facilities																							
SD20010	Final Engineering by Design-Builder - SD Dewatering Facilities	300	17-Aug-20	12-Jun-21	Final Engineering by Design-Builder - SD Dewatering Facilities																							
SD20080	AHJ Permit Review - SD Dewatering Facilities	180	13-Feb-21	11-Aug-21	AHJ Permit Review - SD Dewatering Facilities																							
SD43870	Design-Builder Contract Duration - SD Dewatering Facilities	819	17-Aug-20	13-Nov-22	Design-Builder Contract Duration - SD Dewatering Facilities																							
SD10210	Construction - SD Dewatering Facilities	639	13-Feb-21	13-Nov-22	Construction - SD Dewatering Facilities																							
SD44830	Commissioning - SD Dewatering Facilities	30	15-Oct-22	13-Nov-22	Commissioning - SD Dewatering Facilities																							
SD10450	Substantial Completion (CD Compliance Date 1/6/23) - SD Dewatering Facilities	0		13-Nov-22*	Substantial Completion (CD Compliance Date 1/6/23) - SD Dewatering Facilities																							
SD42250	EPA Compliance Date for Construction - SD Dewatering Facilities	0		06-Jan-23*	EPA Compliance Date for Construction - SD Dewatering Facilities																							
SD40070	Project Closeout - SD Dewatering Facilities	60	14-Nov-22	12-Jan-23*	Project Closeout - SD Dewatering Facilities																							
Project Administration					Project Administration																							
SD35090	WASD Project Administration - SD Dewatering Facilities	2096	13-Apr-15 A	12-Jan-23	WASD Project Administration - SD Dewatering Facilities																							

Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>1.09 FOG Removal Facility</b>					08-Aug-19, 1.09 FOG Removal Facility																																	
<b>Engineering Design</b>					16-Feb-16 A, Engineering Design																																	
SD43240	EPA Start Date for Engineering Design - SD FOG Removal Facility	0	08-Jul-14 A	08-Aug-19	16-Feb-16 A, Engineering Design																																	
SD20560	Technical Evaluation of Alternatives - SD FOG Removal Facility	252	08-Jul-14 A	16-Mar-15 A	16-Feb-16 A, Engineering Design																																	
SD20570	Negotiate Scope and Cost with MWH - SD FOG Removal Facility	136	19-Dec-14 A	03-May-15 A	16-Feb-16 A, Engineering Design																																	
SD20580	Basis of Design Report (BODR) Submittal - SD FOG Removal Facility	79	04-May-15 A	21-Jul-15 A	16-Feb-16 A, Engineering Design																																	
SD20590	BODR Design Review - SD FOG Removal Facility	38	22-Jul-15 A	28-Aug-15 A	16-Feb-16 A, Engineering Design																																	
SD20600	60% Design Submittal - SD FOG Removal Facility	37	01-Sep-15 A	07-Oct-15 A	16-Feb-16 A, Engineering Design																																	
SD20610	60% Design Review - SD FOG Removal Facility	15	08-Oct-15 A	22-Oct-15 A	16-Feb-16 A, Engineering Design																																	
SD20620	100% Design Submittal - SD FOG Removal Facility	62	23-Oct-15 A	23-Dec-15 A	16-Feb-16 A, Engineering Design																																	
SD10000	Engineering Design - SD FOG Removal Facility	563	08-Jul-14 A	21-Jan-16 A	16-Feb-16 A, Engineering Design																																	
SD40170	100% Design Review/Permit Ready Submittal - SD FOG Removal Facility	29	24-Dec-15 A	21-Jan-16 A	16-Feb-16 A, Engineering Design																																	
SD42260	EPA Compliance Date for Engineering Design - SD FOG Removal Facility	0		16-Feb-16 A	16-Feb-16 A, Engineering Design																																	
<b>Permitting</b>					28-Oct-16 A, Permitting																																	
SD43250	EPA Start Date for Permitting - SD FOG Removal Facility	0	17-Feb-16 A	28-Oct-16 A	28-Oct-16 A, Permitting																																	
SD41770	FDEP Permit - SD FOG Removal Facility	241	10-Nov-15 A	07-Jul-16 A	28-Oct-16 A, Permitting																																	
SD10020	Permitting - SD FOG Removal Facility	310	10-Nov-15 A	14-Sep-16 A	28-Oct-16 A, Permitting																																	
SD41760	RER Bldg Dept. Permit - SD FOG Removal Facility	225	03-Feb-16 A	14-Sep-16 A	28-Oct-16 A, Permitting																																	
SD42270	EPA Compliance Date for Permitting - SD FOG Removal Facility	0		28-Oct-16 A	28-Oct-16 A, Permitting																																	
<b>Procurement</b>					29-Jun-17 A, Procurement																																	
SD43260	EPA Start Date for Procurement - SD FOG Removal Facility	0	03-May-15 A	29-Jun-17 A	29-Jun-17 A, Procurement																																	
SD30230	Design Documents Sent to Procurement - SD FOG Removal Facility	0	05-Aug-16 A		29-Jun-17 A, Procurement																																	
SD30240	Submit/Approve SBD Goals - SD FOG Removal Facility	62	05-Aug-16 A	05-Oct-16 A	29-Jun-17 A, Procurement																																	
SD42910	OCI Reviews and Provides List - SD FOG Removal Facility	7	06-Oct-16 A	12-Oct-16 A	29-Jun-17 A, Procurement																																	
SD30250	Advertise Bid Package - SD FOG Removal Facility	0	13-Oct-16 A		29-Jun-17 A, Procurement																																	
SD30260	Bid Solicitation Period - SD FOG Removal Facility	50	13-Oct-16 A	01-Dec-16 A	29-Jun-17 A, Procurement																																	
SD30270	Bids Due - SD FOG Removal Facility	0	01-Dec-16 A		29-Jun-17 A, Procurement																																	
SD30280	Bid Review Period - SD FOG Removal Facility	44	02-Dec-16 A	14-Jan-17 A	29-Jun-17 A, Procurement																																	
SD43470	OCI Reviews and Provides List (for Rebid) - SD FOG Removal Facility	32	15-Jan-17 A	15-Feb-17 A	29-Jun-17 A, Procurement																																	
SD43480	Advertise Bid Package (for Rebid) - SD FOG Removal Facility	0	16-Feb-17 A		29-Jun-17 A, Procurement																																	
SD43490	Bid Solicitation Period (for Rebid) - SD FOG Removal Facility	41	16-Feb-17 A	28-Mar-17 A	29-Jun-17 A, Procurement																																	
SD43500	Bids Due (for Rebid) - SD FOG Removal Facility	0	29-Mar-17 A		29-Jun-17 A, Procurement																																	
SD43510	Bid Review Period (for Rebid) - SD FOG Removal Facility	38	29-Mar-17 A	05-May-17 A	29-Jun-17 A, Procurement																																	
SD30290	Award Recommendation - SD FOG Removal Facility	0		05-May-17 A	29-Jun-17 A, Procurement																																	
SD42280	EPA Compliance Date for Procurement - SD FOG Removal Facility**	0		15-May-17 A	29-Jun-17 A, Procurement																																	
SD10070	Procurement - SD FOG Removal Facility	329	05-Aug-16 A	29-Jun-17 A	29-Jun-17 A, Procurement																																	
SD30300	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD FOG Removal Facility	55	06-May-17 A	29-Jun-17 A	29-Jun-17 A, Procurement																																	
<b>Construction</b>					08-Aug-19, Construction																																	
SD10123	Contractor Notice to Proceed (NTP) - SD FOG Removal Facility	0	30-Jun-17 A	08-Aug-19	08-Aug-19, Construction																																	
SD43270	EPA Start Date for Construction - SD FOG Removal Facility	0	31-Jul-17 A	08-Aug-19	08-Aug-19, Construction																																	
SD10130	Construction - SD FOG Removal Facility	329	30-Jun-17 A	26-Mar-19 A	08-Aug-19, Construction																																	
SD44880	Commissioning (Part 1) - SD FOG Removal Facility	44	13-Feb-19 A	26-Mar-19 A	08-Aug-19, Construction																																	
SD44840	Commissioning (Part 2) - SD FOG Removal Facility	30	27-Feb-19 A	26-Mar-19 A	08-Aug-19, Construction																																	
SD10270	Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility	0		26-Mar-19 A	08-Aug-19, Construction																																	
SD42290	EPA Compliance Date for Construction - SD FOG Removal Facility	0		24-May-19 A	08-Aug-19, Construction																																	
SD40080	Project Closeout - SD FOG Removal Facility	105	27-Mar-19 A	08-Aug-19*	08-Aug-19, Construction																																	
<b>Project Administration</b>					08-Aug-19, Project Administration																																	
SD35100	WASD Project Administration - SD FOG Removal Facility	1507	08-Jul-14 A	08-Aug-19	08-Aug-19, Project Administration																																	
<b>1.10 Odor Control</b>					25-Apr-23, 1.10 Odor Control																																	
<b>Pre-Design</b>					31-Jan-19 A, Pre-Design																																	
SD11182	Pre-Design (BODR) - SD Odor Control	180	25-Jan-18 A	14-Sep-18 A	31-Jan-19 A, Pre-Design																																	
SD44770	Pre-Design (Remaining Scope of Work) - SD Odor Control	150	28-Nov-18 A	31-Jan-19 A	31-Jan-19 A, Pre-Design																																	
<b>Engineering Design</b>					17-Feb-20, Engineering Design																																	
SD43280	EPA Start Date for Engineering Design - SD Odor Control	0	01-Dec-18 A	17-Feb-20	17-Feb-20, Engineering Design																																	
SD20630	Basis of Design Report (BODR) - SD Odor Control	96	15-Sep-18 A	21-Dec-18 A	17-Feb-20, Engineering Design																																	
SD20640	BODR Review Period & Final BODR - SD Odor Control	24	24-Dec-18 A	16-Jan-19 A	17-Feb-20, Engineering Design																																	
SD20650	30% Design Submittal - SD Odor Control	60	04-Feb-19 A	02-Apr-19 A	17-Feb-20, Engineering Design																																	
SD20660	30% Design Review - SD Odor Control	10	03-Apr-19 A	12-Apr-19 A	17-Feb-20, Engineering Design																																	
SD42300	EPA Compliance Date for Engineering Design - SD Odor Control	0		27-Jun-19 A	17-Feb-20, Engineering Design																																	
SD20670	60% Design Submittal - SD Odor Control	90	13-Apr-19 A	11-Jul-19	17-Feb-20, Engineering Design																																	
SD20680	60% Design Review - SD Odor Control	12	12-Jul-19	23-Jul-19	17-Feb-20, Engineering Design																																	
SD20690	100% Design Submittal - SD Odor Control	58	24-Jul-19	19-Sep-19	17-Feb-20, Engineering Design																																	
SD10360	Engineering Design - SD Odor Control	470	14-Sep-18 A	31-Oct-19	17-Feb-20, Engineering Design																																	
SD40180	100% Design Review/Permit Ready Submittal - SD Odor Control	42	20-Sep-19	31-Oct-19	17-Feb-20, Engineering Design																																	
SD45390	100% Bid Ready Submittal - SD Odor Control	20	29-Jan-20	17-Feb-20	17-Feb-20, Engineering Design																																	
<b>Permitting</b>					26-Jun-20, Permitting																																	
SD43290	EPA Start Date for Permitting - SD Odor Control	0	28-Jun-19 A	26-Jun-20	26-Jun-20, Permitting																																	
SD45430	FDEP Permit - SD Odor Control	60	20-Feb-19 A	28-Jul-19	26-Jun-20, Permitting																																	
SD10400	Permitting - SD Odor Control	180	01-Nov-19	28-Apr-20	26-Jun-20, Permitting																																	
SD42310	EPA Compliance Date for Permitting - SD Odor Control	0		26-Jun-20*	26-Jun-20, Permitting																																	
<b>Procurement</b>					26-Jun-21, Procurement																																	
SD43460	Internal Bid Package Review - SD Odor Control	10	18-Feb-20	27-Feb-20	26-Jun-21, Procurement																																	
SD30730	Design Documents Sent to Procurement - SD Odor Control	0	28-Feb-20		26-Jun-21, Procurement																																	











Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																																			
					2016				2017				2018				2019				2020				2021				2022				2023				2024			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD40000	Project Closeout - Substations 7A, 8A, 9A, & 10A	65	29-Jun-21	01-Sep-21*	Project Closeout - Substations 7A, 8A, 9A, & 10A																																			
CD85090	WASD Project Administration - Substations 7A, 8A, 9A, & 10A	850	09-Aug-17 A	30-Mar-21	WASD Project Administration - Substations 7A, 8A, 9A, & 10A																																			
<b>2.02 Building Improvements</b>					<b>2.02 Building Improvements</b>																																			
CD82380	EPA Start Date for Engineering Design - CD Repairs to Various Buildings**	0	01-May-14 A		EPA Start Date for Engineering Design - CD Repairs to Various Buildings**																																			
CD42460	EPA Compliance Date for Engineering Design - CD Repairs to Various Buildings**	0		18-Oct-14 A	EPA Compliance Date for Engineering Design - CD Repairs to Various Buildings**																																			
CD10130	Engineering Design - CD Repairs to Various Buildings	772	26-Mar-14 A	05-May-16 A	Engineering Design - CD Repairs to Various Buildings																																			
CD82390	EPA Start Date for Permitting - CD Repairs to Various Buildings	0	19-Oct-14 A		EPA Start Date for Permitting - CD Repairs to Various Buildings																																			
CD10290	Permitting - CD Repairs to Various Buildings	620	13-Oct-14 A	23-Jun-16 A	Permitting - CD Repairs to Various Buildings																																			
CD80310	EPA Compliance Date for Permitting - CD Repairs to Various Buildings	0		27-Aug-16 A	EPA Compliance Date for Permitting - CD Repairs to Various Buildings																																			
CD82400	EPA Start Date for Procurement - CD Repairs to Various Buildings	0	19-Oct-15 A		EPA Start Date for Procurement - CD Repairs to Various Buildings																																			
CD10530	Procurement - CD Repairs to Various Buildings	933	03-Jun-14 A	21-Dec-16 A	Procurement - CD Repairs to Various Buildings																																			
CD80320	EPA Compliance Date for Procurement - CD Repairs to Various Buildings	0		31-Jan-17 A	EPA Compliance Date for Procurement - CD Repairs to Various Buildings																																			
CD82410	EPA Start Date for Construction - CD Repairs to Various Buildings	0	18-Oct-16 A		EPA Start Date for Construction - CD Repairs to Various Buildings																																			
CD80330	EPA Compliance Date for Construction - CD Repairs to Various Buildings	0		26-Sep-19*	EPA Compliance Date for Construction - CD Repairs to Various Buildings																																			
CD10740	Construction - CD Repairs to Various Buildings	1162	16-Oct-14 A	11-Oct-19	Construction - CD Repairs to Various Buildings																																			
CD10910	Substantial Completion (CD Compliance Date 9/26/19) - CD Repairs to Various Buildings	0		11-Oct-19*	Substantial Completion (CD Compliance Date 9/26/19) - CD Repairs to Various Buildings																																			
<b>2.02 (1)a CD Building Improvements - Admin Asbestos Abatement</b>					<b>2.02 (1)a CD Building Improvements - Admin Asbestos Abatement</b>																																			
CD11002	Engineering Design - CD Admin Asbestos Abatement	199	26-Mar-14 A	10-Oct-14 A	Engineering Design - CD Admin Asbestos Abatement																																			
CD11012	Permitting - CD Admin Asbestos Abatement	80	13-Oct-14 A	31-Dec-14 A	Permitting - CD Admin Asbestos Abatement																																			
CD21720	Bid & Award Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	64	03-Jun-14 A	05-Aug-14 A	Bid & Award Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement																																			
CD84270	Procurement - CD Admin Asbestos Abatement	257	03-Jun-14 A	14-Feb-15 A	Procurement - CD Admin Asbestos Abatement																																			
CD30000	Bid & Award Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	62	15-Dec-14 A	14-Feb-15 A	Bid & Award Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement																																			
CD21170	Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	60	16-Oct-14 A	14-Dec-14 A	Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement																																			
CD84280	Construction - CD Admin Asbestos Abatement	229	16-Oct-14 A	01-Jun-15 A	Construction - CD Admin Asbestos Abatement																																			
CD30010	Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	39	24-Apr-15 A	01-Jun-15 A	Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement																																			
CD85100	WASD Project Administration - CD Admin Asbestos Abatement	433	26-Mar-14 A	01-Jun-15 A	WASD Project Administration - CD Admin Asbestos Abatement																																			
<b>2.02 (1)b CD Administration Building Interior Improvements</b>					<b>2.02 (1)b CD Administration Building Interior Improvements</b>																																			
CD11004	Engineering Design (Remodel) - CD Administration Interior Improvements	67	26-Jan-15 A	02-Apr-15 A	Engineering Design (Remodel) - CD Administration Interior Improvements																																			
CD11014	Permitting (Remodel) - CD Administration Building Interior Improvements	196	02-Apr-15 A	14-Oct-15 A	Permitting (Remodel) - CD Administration Building Interior Improvements																																			
CD30860	Design Documents Sent to Procurement - CD Administration Building Interior Improvements	0	02-Nov-15 A		Design Documents Sent to Procurement - CD Administration Building Interior Improvements																																			
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 Building Interior Improvements																																			
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 - CD Administration Building Interior Improvements	120	05-Mar-16 A	02-Jul-16 A	Bid Solicitation Period - CD Administration Building Interior Improvements																																			
CD30900	Bids Due - CD Administration Building Interior Improvements	0	03-Jul-16 A		Bids Due - CD Administration Building Interior Improvements																																			
CD30910	Bid Review Period - CD Administration Building Interior Improvements	47	03-Jul-16 A	18-Aug-16 A	Bid Review Period - CD Administration Building Interior Improvements																																			
CD80340	Rebid Solicitation Period - CD Administration Building Interior Improvements	34	19-Aug-16 A	21-Sep-16 A	Rebid Solicitation Period - CD Administration Building Interior Improvements																																			
CD80350	Rebids Due - CD Administration Building Interior Improvements	0	22-Sep-16 A		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 Improvements																																			
CD30920	Award Recommendation - CD Administration Building Interior Improvements	0		18-Oct-16 A	Award Recommendation - CD Administration Building Interior Improvements																																			
CD11022	Procurement - CD Administration Building Interior Improvements	388	02-Nov-15 A	23-Nov-16 A	Procurement - CD Administration Building Interior Improvements																																			
CD30930	Final Approvals - CD Administration Building Interior Improvements	36	19-Oct-16 A	23-Nov-16 A	Final Approvals - CD Administration Building Interior Improvements																																			
CD11031	Contractor Notice to Proceed (NTP) - CD Administration Building Interior Improvements	0	22-Dec-16 A		Contractor Notice to Proceed (NTP) - CD Administration Building Interior Improvements																																			
CD11042	Substantial Completion (CD Compliance Date 9/26/19) - CD Administration Building Interior Improvements	0		17-Jan-18 A	Substantial Completion (CD Compliance Date 9/26/19) - CD Administration Building Interior Improvements																																			
CD40010	Project Closeout - CD Administration Building	30	18-Jan-18 A	15-Nov-18 A	Project Closeout - CD Administration Building																																			
CD33940	WASD Project Administration - CD Administration Building	1363	26-Mar-14 A	15-Nov-18 A	WASD Project Administration - CD Administration Building																																			
<b>2.02 (1)c CD Misc. Roof Improvements</b>					<b>2.02 (1)c CD Misc. Roof Improvements</b>																																			
CD30070	Procurement - CD Misc. Roof Repairs	479	31-Jan-15 A	23-May-16 A	Procurement - CD Misc. Roof Repairs																																			
CD30020	Switchgear Building Roof Repairs - CD Misc. Roof Repairs	47	11-Apr-15 A	27-May-15 A	Switchgear Building Roof Repairs - CD Misc. Roof Repairs																																			
CD33670	Construction - CD Misc. Roof Repairs	558	11-Apr-15 A	19-Oct-16 A	Construction - CD Misc. Roof Repairs																																			
CD30030	Maintenance Building Roof Repairs - CD Misc. Roof Repairs	150	23-May-16 A	19-Oct-16 A	Maintenance Building Roof Repairs - CD Misc. Roof Repairs																																			
CD30040	Operation & Control Building Roof Repairs - CD Misc. Roof Repairs	150	23-May-16 A	19-Oct-16 A	Operation & Control Building Roof Repairs - CD Misc. Roof Repairs																																			
CD85110	WASD Project Administration - CD Misc. Roof Repairs	628	31-Jan-15 A	19-Oct-16 A	WASD Project Administration - CD Misc. Roof Repairs																																			
<b>2.02 (2) Remodel Bathrooms, Locker Rooms &amp; Showers</b>					<b>2.02 (2) Remodel Bathrooms, Locker Rooms &amp; Showers</b>																																			
	Pre-Design	176	19-Dec-14 A	13-Jun-15 A	Pre-Design																																			

Activity ID	Activity Name	Original Duration	Start	Finish	2016												2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2								
CD11242	Pre-Design - CD Misc. Building Improvements	177	19-Dec-14 A	13-Jun-15 A																																										
<b>Engineering Design</b>					CD Misc. Building Improvements - 22-Dec-15 A, Engineering Design																																									
CD32480	Engineering Design Phase I - CD Misc. Building Improvements	44	14-Jun-15 A	27-Jul-15 A	ing Design Phase I - CD Misc. Building Improvements																																									
CD11104	Negotiate Phase II Design - CD Misc. Building Improvements	51	27-Jul-15 A	15-Sep-15 A	Negotiate Phase II Design - CD Misc. Building Improvements																																									
CD11102	Engineering Design (Summary) - CD Misc. Building Improvements	0	14-Jun-15 A	22-Dec-15 A	Engineering Design (Summary) - CD Misc. Building Improvements																																									
CD32490	Engineering Design Phase II - CD Misc. Building Improvements	98	16-Sep-15 A	22-Dec-15 A	Engineering Design Phase II - CD Misc. Building Improvements																																									
<b>Permitting</b>					12-Apr-19 A, Permitting																																									
CD11112	Permitting - CD Misc. Building Improvements	50	05-May-16 A	23-Jun-16 A	Permitting - CD Misc. Building Improvements																																									
CD80380	COM Permit - CD Misc. Building Improvements	49	06-May-16 A	23-Jun-16 A	COM Permit - CD Misc. Building Improvements																																									
CD80370	RER DERM Permit - CD Misc. Building Improvements	15	09-Jun-16 A	23-Jun-16 A	RER DERM Permit - CD Misc. Building Improvements																																									
CD85910	Dry-Run Permit - CD Misc. Building Improvements	180	27-Jul-18 A	12-Apr-19 A	Dry-Run Permit - CD Misc. Building Improvements																																									
<b>Procurement</b>					14-Apr-19 A, Procurement																																									
CD30340	Design Documents Sent to Procurement - CD Misc. Building Improvements	0	22-Aug-16 A		Design Documents Sent to Procurement - CD Misc. Building Improvements																																									
CD30350	Submit/Approve SBD Goals and Request to Advertise - CD Misc. Building Improvements	7	22-Aug-16 A	28-Aug-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Misc. Building Improvements																																									
CD30360	Advertise Bid Package - CD Misc. Building Improvements	0	29-Aug-16 A		Advertise Bid Package - CD Misc. Building Improvements																																									
CD30370	Bid Solicitation Period - CD Misc. Building Improvements	51	29-Aug-16 A	18-Oct-16 A	Bid Solicitation Period - CD Misc. Building Improvements																																									
CD30380	Bids Due - CD Misc. Building Improvements	0	18-Oct-16 A		Bids Due - CD Misc. Building Improvements																																									
CD30390	Bid Review Period - CD Misc. Building Improvements	9	18-Oct-16 A	26-Oct-16 A	Bid Review Period - CD Misc. Building Improvements																																									
CD30400	Award Recommendation - CD Misc. Building Improvements	0		26-Oct-16 A	Award Recommendation - CD Misc. Building Improvements																																									
CD11122	Procurement - CD Misc. Building Improvements	182	23-Jun-16 A	21-Dec-16 A	Procurement - CD Misc. Building Improvements																																									
CD30410	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Misc. Building Improvements	71	27-Oct-16 A	05-Jan-17 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Misc. Building Improvements																																									
CD86420	Procurement (Re-bid) - CD Misc. Building Improvements	210	14-Nov-18 A	14-Apr-19 A	Procurement (Re-bid) - CD Misc. Building Improvements																																									
<b>Construction</b>					10-Dec-19, Construction																																									
CD30420	Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements	0	18-Jan-17 A		Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements																																									
CD11132	Construction - CD Misc. Building Improvements	337	18-Jan-17 A	31-Oct-17 A	Construction - CD Misc. Building Improvements																																									
CD85940	Construction Activities Stopped - CD Misc. Building Improvements	0		31-Oct-17 A	Construction Activities Stopped - CD Misc. Building Improvements																																									
CD85860	100% NFC Draft Submittal - CD Misc. Building Improvements	28	16-Apr-18 A	15-May-18 A	100% NFC Draft Submittal - CD Misc. Building Improvements																																									
CD85880	100% NFC Review - CD Misc. Building Improvements	7	17-May-18 A	24-May-18 A	100% NFC Review - CD Misc. Building Improvements																																									
CD85890	100% Permit Ready Submittal - CD Misc. Building Improvements	21	25-May-18 A	26-Jul-18 A	100% Permit Ready Submittal - CD Misc. Building Improvements																																									
CD85930	100% Bid Ready - CD Misc. Building Improvements	22	23-Oct-18 A	13-Nov-18 A	100% Bid Ready - CD Misc. Building Improvements																																									
CD87190	Milestone #1 Substantial Completion Bldg #2 - CD Misc. Building Improvements	90	15-Apr-19 A	13-Sep-19	Milestone #1 Substantial Completion Bldg #2 - CD Misc. Building Improvements																																									
CD85920	Milestone #2 Substantial Completion Bldgs #1 & #33 - CD Misc. Building Improvements	180	15-Apr-19 A	11-Oct-19	Milestone #2 Substantial Completion Bldgs #1 & #33 - CD Misc. Building Improvements																																									
CD86210	Commissioning - CD Misc. Building Improvements	30	12-Sep-19	11-Oct-19	Commissioning - CD Misc. Building Improvements																																									
CD11142	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements	0		11-Oct-19*	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements																																									
CD40020	Project Closeout - CD Misc. Building Improvements	60	12-Oct-19	10-Dec-19*	Project Closeout - CD Misc. Building Improvements																																									
<b>Project Administration</b>					10-Dec-19, Project Administration																																									
CD33950	WASD Project Administration - CD Misc. Building Improvements	981	14-Jun-15 A	10-Dec-19	WASD Project Administration - CD Misc. Building Improvements																																									
<b>2.03 Headworks/Grit Basin Plant 1</b>					15-Nov-19, 2.03 Headworks/Grit Basin Plant 1																																									
<b>Pre-Design</b>					05-Jun-14 A, 05-Oct-14 A																																									
CD20000	Pre-Design - CD Headworks/Grit Basin Plant 1	123	05-Jun-14 A	05-Oct-14 A	Pre-Design - CD Headworks/Grit Basin Plant 1																																									
<b>Engineering Design</b>					28-Jan-16 A, Engineering Design																																									
CD82420	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	0	01-Sep-14 A		EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**																																									
CD20040	Technical Memo #1 - CD Headworks/Grit Basin Plant 1	0	27-Oct-14 A		Technical Memo #1 - CD Headworks/Grit Basin Plant 1																																									
CD20050	Technical Memo #2 - CD Headworks/Grit Basin Plant 1	0	08-Dec-14 A		Technical Memo #2 - CD Headworks/Grit Basin Plant 1																																									
CD30090	Draft BODR Issued - CD Headworks/Grit Basin Plant 1	0	31-Mar-15 A		Draft BODR Issued - CD Headworks/Grit Basin Plant 1																																									
CD20020	Basis of Design Report - CD Headworks/Grit Basin Plant 1	136	24-Nov-14 A	08-Apr-15 A	Basis of Design Report - CD Headworks/Grit Basin Plant 1																																									
CD20060	Negotiate Final Design - CD Headworks/Grit Basin Plant 1	108	09-Feb-15 A	27-May-15 A	Negotiate Final Design - CD Headworks/Grit Basin Plant 1																																									
CD30270	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 1	0	27-May-15 A		Issue NTP for Final Design - CD Headworks/Grit Basin Plant 1																																									
CD30280	Procurement Contract Modification - CD Headworks/Grit Basin Plant 1	1	17-Jun-15 A	17-Jun-15 A	Procurement Contract Modification - CD Headworks/Grit Basin Plant 1																																									
CD32520	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1	31	17-Jun-15 A	17-Jul-15 A	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1																																									
CD21110	60% Design Submittal - CD Headworks/Grit Basin Plant 1	52	17-Jun-15 A	07-Aug-15 A	60% Design Submittal - CD Headworks/Grit Basin Plant 1																																									
CD21120	60% Design Review - CD Headworks/Grit Basin Plant 1	12	10-Aug-15 A	21-Aug-15 A	60% Design Review - CD Headworks/Grit Basin Plant 1																																									
CD20030	100% Design Submittal - CD Headworks/Grit Basin Plant 1	120	21-Aug-15 A	18-Dec-15 A	100% Design Submittal - CD Headworks/Grit Basin Plant 1																																									
CD80390	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	0		05-Jan-16 A	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 1**																																									
CD10050	Engineering Design - CD Headworks/Grit Basin Plant 1	431	24-Nov-14 A	28-Jan-16 A	Engineering Design - CD Headworks/Grit Basin Plant 1																																									
CD40320	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 1	41	19-Dec-15 A	28-Jan-16 A	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 1																																									
<b>Permitting</b>					05-Aug-16 A, Permitting																																									
CD80400	EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 1**	0	04-Aug-14 A		EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 1**																																									
CD82430	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 1**	0		01-Jun-16 A	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 1**																																									
CD10220	Permitting - CD Headworks/Grit Basin Plant 1	191	28-Jan-16 A	05-Aug-16 A	Permitting - CD Headworks/Grit Basin Plant 1																																									
CD80030	City of Miami Building Permit - CD Headworks/Grit Basin Plant 1	190	29-Jan-16 A	05-Aug-16 A	City of Miami Building Permit - CD Headworks/Grit Basin Plant 1																																									
<b>Procurement</b>					09-Jun-17 A, Procurement																																									
CD32870	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1	70	21-Aug-15 A	29-Oct-15 A	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1																																									
CD32880	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1	0	30-Oct-15 A		Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1																																									
CD82440	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 1	0	06-Jan-16 A		EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 1																																									
CD32890	Vendor Bid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 1	98	30-Oct-15 A	04-Feb-16 A	Vendor Bid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 1																																									
CD32900	Vendor NTP (Screening Equipment) - CD Headworks/Grit Basin Plant 1	0		04-Feb-16 A	Vendor NTP (Screening Equipment) - CD Headworks/Grit Basin Plant 1																																									
CD30430	Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 1	0	07-Mar-16 A		Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 1																																									
CD30440	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 1	67	28-Mar-16 A	02-Jun-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 1																																									
CD30450	Advertise Bid Package - CD Headworks/Grit Basin Plant 1	0	03-Jun-16 A		Advertise Bid Package - CD Headworks/Grit Basin Plant 1																																									
CD30460	Bid Solicitation Period - CD Headworks/Grit Basin Plant 1	46	03-Jun-16 A	18-Jul-16 A	Bid Solicitation Period - CD Headworks/Grit Basin Plant 1																																									
CD30470	Bids Due - CD Headworks/Grit Basin Plant 1	0	19-Jul-16 A		Bids Due - CD Headworks/Grit Basin Plant 1																																									
CD30480	Bid Review Period - CD Headworks/Grit Basin Plant 1	14	19-Jul-16 A	01-Aug-16 A	Bid Review Period - CD Headworks/Grit Basin Plant 1																																									



Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD10448	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 2	0	30-Aug-16 A		◆ Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 2																																			
CD82490	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 2	0	03-Mar-17 A		◆ EPA Start Date for Construction - CD Headworks/Grit Basin Plant 2																																			
CD10450	Construction - CD Headworks/Grit Basin Plant 2	560	08-Dec-15 A	20-Jul-19	Construction - CD Headworks/Grit Basin Plant 2																																			
CD40800	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2	560	30-Aug-16 A	20-Jul-19	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2																																			
CD86230	Commissioning - CD Headworks/Grit Basin Plant 2	127	29-Apr-19 A	20-Jul-19	Commissioning - CD Headworks/Grit Basin Plant 2																																			
CD10750	Substantial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2	0		20-Jul-19*	◆ Substantial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2																																			
CD81880	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2	0		23-Aug-19*	◆ EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2																																			
CD40040	Project Closeout - CD Headworks/Grit Basin Plant 2	150	21-Jul-19	17-Dec-19*	◆ Project Closeout - CD Headworks/Grit Basin Plant 2																																			
Project Administration					17-Dec-19, Project Administration																																			
CD33970	WASD Project Administration - CD Headworks/Grit Basin Plant 2	1295	24-Nov-14 A	17-Dec-19	WASD Project Administration - CD Headworks/Grit Basin Plant 2																																			
2.05 Oxygenation Trains Plant 1					12-Apr-19 A, 2.05 Oxygenation Trains Plant 1																																			
Pre-Design					20-Feb-17 A, Pre-Design																																			
CD81230	Pre-Design - CD Oxygenation Trains Plant 1	230	05-Jul-16 A	20-Feb-17 A	Pre-Design - CD Oxygenation Trains Plant 1																																			
Engineering Design					12-Aug-17 A, Engineering Design																																			
CD80260	Engineering Design (Mixers) - CD Oxygenation Trains Plant 1	63	01-Mar-11 A	02-May-11 A	Engineering Design - CD Oxygenation Trains Plant 1																																			
CD84540	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 1	0	01-Jun-14 A		◆ EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 1																																			
CD80470	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 1**	0		02-Sep-14 A	◆ EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 1**																																			
CD10150	Engineering Design - CD Oxygenation Trains Plant 1	2357	01-Mar-11 A	12-Aug-17 A	Engineering Design - CD Oxygenation Trains Plant 1																																			
CD80280	Engineering Design (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1	173	21-Feb-17 A	12-Aug-17 A	Engineering Design (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1																																			
Permitting					13-Feb-18 A, Permitting																																			
CD10240	Permitting - CD Oxygenation Trains Plant 1	63	01-Mar-11 A	02-May-11 A	Permitting - CD Oxygenation Trains Plant 1																																			
CD84550	EPA Start Date for Permitting - CD Oxygenation Trains Plant 1	0	03-Sep-14 A		◆ EPA Start Date for Permitting - CD Oxygenation Trains Plant 1																																			
CD80480	EPA Compliance Date for Permitting - CD Oxygenation Trains Plant 1	0		02-Sep-15 A	◆ EPA Compliance Date for Permitting - CD Oxygenation Trains Plant 1																																			
Procurement					13-Feb-18 A, Procurement																																			
CD80270	Procurement (Mixers) - CD Oxygenation Trains Plant 1	147	03-May-11 A	26-Sep-11 A	Procurement (Mixers) - CD Oxygenation Trains Plant 1																																			
CD81250	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 1	88	17-Jan-17 A	14-Apr-17 A	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 1																																			
CD80490	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 1	0		14-Dec-17 A	◆ EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 1																																			
CD10490	Procurement - CD Oxygenation Trains Plant 1	2388	03-May-11 A	13-Feb-18 A	Procurement - CD Oxygenation Trains Plant 1																																			
CD80290	Procurement (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1	93	14-Aug-17 A	13-Feb-18 A	Procurement (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1																																			
Construction					12-Apr-19 A, Construction																																			
CD12151	Installation of Mixers Trains #2 & 3 - CD Oxygenation Trains Plant 1	81	02-Dec-13 A	20-Feb-14 A	Installation of Mixers Trains #2 & 3 - CD Oxygenation Trains Plant 1																																			
CD10720	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1	90	15-Jan-17 A	14-Apr-17 A	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1																																			
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 Oxygenation Trains Plant 1																																			
CD80500	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 1	0		12-Apr-19 A	◆ EPA Compliance Date for Construction - CD Oxygenation Trains Plant 1																																			
Project Administration					22-Jun-18 A, Project Administration																																			
CD33980	WASD Project Administration - CD Oxygenation Trains Plant 1	2556	01-Mar-11 A	22-Jun-18 A	WASD Project Administration - CD Oxygenation Trains Plant 1																																			
2.06 Oxygenation Trains Plant 2					14-Apr-22, 2.06 Oxygenation Trains Plant 2																																			
Pre-Design					20-Feb-17 A, Pre-Design																																			
CD81270	Pre-Design - CD Oxygenation Trains Plant 2	230	05-Jul-16 A	20-Feb-17 A	Pre-Design - CD Oxygenation Trains Plant 2																																			
Engineering Design					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 Trains Plant 2																																			
CD82500	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 2	0	01-Jun-16 A		◆ EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 2																																			
CD80510	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 2**	0		02-Sep-16 A	◆ EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 2**																																			
CD81280	Engineering Design (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	173	21-Feb-17 A	12-Aug-17 A	Engineering Design (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2																																			
CD81290	Engineering Design (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	173	21-Feb-17 A	12-Aug-17 A	Engineering Design (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2																																			
Permitting					02-Sep-17 A, Permitting																																			
CD10690	Permitting - CD Oxygenation Trains Plant 2	62	01-Mar-11 A	02-May-11 A	Permitting - CD Oxygenation Trains Plant 2																																			
CD82510	EPA Start Date for Permitting - CD Oxygenation Trains Plant 2	0	03-Sep-16 A		◆ EPA Start Date for Permitting - CD Oxygenation Trains Plant 2																																			
CD80520	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																																			
Procurement					23-Dec-19, Procurement																																			
CD81310	Procurement (Mixers) - CD Oxygenation Trains Plant 2	517	02-Sep-13 A	31-Jan-15 A	Procurement (Mixers) - CD Oxygenation Trains Plant 2																																			
CD82520	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																																			
CD80530	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																																			
CD81300	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	90	20-Oct-17 A	21-Jul-19	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2																																			
CD10900	Procurement - CD Oxygenation Trains Plant 2	2754	02-May-11 A	23-Dec-19	Procurement - CD Oxygenation Trains Plant 2																																			
CD81320	Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	152	10-May-19 A	23-Dec-19	Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2																																			
Construction					14-Apr-22, Construction																																			
CD11091	Install Mixers Train #1 - CD Oxygenation Trains Plant 2	24	11-Jan-16 A	03-Feb-16 A	Install Mixers Train #1 - CD Oxygenation Trains Plant 2																																			
CD12161	Install Mixers Trains #2-4 - CD Oxygenation Trains Plant 2	182	01-Sep-15 A	29-Feb-16 A	Install Mixers Trains #2-4 - CD Oxygenation Trains Plant 2																																			
CD11280	Structural Rehab Train #3 - CD Oxygenation Trains Plant 2	113	09-Nov-15 A	29-Feb-16 A	Structural Rehab Train #3 - CD Oxygenation Trains Plant 2																																			
CD11090	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2	113	17-Jan-17 A	09-May-17 A	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2																																			
CD82530	EPA Start Date for Construction - CD Oxygenation Trains Plant 2	0	16-Dec-18 A		◆ EPA Start Date for Construction - CD Oxygenation Trains Plant 2																																			
CD30060	Electrical Equip. / Expand Structure - CD Oxygenation Trains Plant 2	1034	02-Feb-15 A	29-Jan-19 A	Electrical Equip. / Expand Structure - CD Oxygenation Trains Plant 2																																			
CD11190	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2	155	22-Jul-19	23-Dec-19	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2																																			
CD32570	Construction - CD Oxygenation Trains Plant 2	1192	09-Nov-15 A	26-May-20	Construction - CD Oxygenation Trains Plant 2																																			
CD11380	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2	155	24-Dec-19	26-May-20	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2																																			
CD11450	Substantial Completion (CD Compliance Date 4/14/22) - CD Oxygenation Trains Plant 2	0		26-May-20*	◆ Substantial Completion (CD Compliance Date 4/14/22) - CD Oxygenation Trains Plant 2																																			
CD81900	Project Closeout - CD Oxygenation Trains Plant 2	30	27-May-20	25-Jun-20*	◆ Project Closeout - CD Oxygenation Trains Plant 2																																			
CD80580	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 2	0		14-Apr-22*	◆ EPA Compliance Date for Construction - CD Oxygenation Trains Plant 2																																			
Project Administration					26-May-20, Project Administration																																			

Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
CD33990	WASD Project Administration - CD Oxygenation Trains Plant 2	2584	01-Mar-11 A	26-May-20	WASD Project Administration - CD Oxygenation Trains Plant 2																															
<b>2.07 Secondary Clarifiers Plant 1</b>																																				
Engineering Design					05-Oct-21, Engineering Design																															
CD11350	Engineering Design - CD Secondary Clarifiers Plant 1	455	12-Apr-18 A	05-Sep-19	Engineering Design - CD Secondary Clarifiers Plant 1																															
CD82540	EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 1	0	01-Apr-21*		EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 1																															
CD80590	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 1	0		05-Oct-21*	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 1																															
Permitting					05-Oct-22, Permitting																															
CD11400	Permitting - CD Secondary Clarifiers Plant 1	180	06-Sep-19	03-Mar-20	Permitting - CD Secondary Clarifiers Plant 1																															
CD82550	EPA Start Date for Permitting - CD Secondary Clarifiers Plant 1	0	06-Oct-21*		EPA Start Date for Permitting - CD Secondary Clarifiers Plant 1																															
CD80600	EPA Compliance Date for Permitting - CD Secondary Clarifiers Plant 1	0		05-Oct-22*	EPA Compliance Date for Permitting - CD Secondary Clarifiers Plant 1																															
Procurement					05-Oct-23, Procurement																															
CD11530	Procurement - CD Secondary Clarifiers Plant 1	769	17-Jul-15 A	31-Oct-21	Procurement - CD Secondary Clarifiers Plant 1																															
CD82560	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 1	0	06-Oct-22*		EPA Start Date for Procurement - CD Secondary Clarifiers Plant 1																															
CD80610	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 1	0		05-Oct-23*	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 1																															
Construction					EPA Start Date for Construction - CD Secondary Clarifiers Plant 1																															
CD82570	EPA Start Date for Construction - CD Secondary Clarifiers Plant 1	0	06-Oct-23*		EPA Start Date for Construction - CD Secondary Clarifiers Plant 1																															
CD11598	Construction - CD Secondary Clarifiers Plant 1	1045	11-Jul-15 A	08-Nov-23	Construction - CD Secondary Clarifiers Plant 1																															
CD85370	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	0		08-Nov-23*	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1																															
CD80840	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 1	0		15-Aug-26*	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 1																															
Project Administration					06-Feb-24, Project Administration																															
CD34000	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986	31-Jul-18 A	06-Feb-24	WASD Project Administration - CD Secondary Clarifiers Plant 1																															
<b>2.07 (1) Secondary Clarifiers Plant 1</b>																																				
Pre-Design					30-Jul-18 A, Pre-Design																															
CD11252	Pre-Design - CD Secondary Clarifiers Plant 1	181	10-May-17 A	30-Jul-18 A	Pre-Design - CD Secondary Clarifiers Plant 1																															
Engineering Design					05-Sep-19, Engineering Design																															
CD20700	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1	60	31-Jul-18 A	15-Jan-19 A	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1																															
CD20710	BODR Review Period - CD Secondary Clarifiers Plant 1	16	16-Jan-19 A	08-Mar-19 A	BODR Review Period - CD Secondary Clarifiers Plant 1																															
CD20720	30% Design Submittal - CD Secondary Clarifiers Plant 1	41	16-Feb-19 A	21-Mar-19 A	30% Design Submittal - CD Secondary Clarifiers Plant 1																															
CD20730	30% Design Review - CD Secondary Clarifiers Plant 1	13	22-Mar-19 A	12-Apr-19 A	30% Design Review - CD Secondary Clarifiers Plant 1																															
CD20740	60% Design Submittal - CD Secondary Clarifiers Plant 1	55	13-Apr-19 A	30-May-19 A	60% Design Submittal - CD Secondary Clarifiers Plant 1																															
CD20750	60% Design Review - CD Secondary Clarifiers Plant 1	10	31-May-19 A	23-Jun-19 A	60% Design Review - CD Secondary Clarifiers Plant 1																															
CD20760	100% Design Submittal - CD Secondary Clarifiers Plant 1	56	24-Jun-19 A	06-Aug-19	100% Design Submittal - CD Secondary Clarifiers Plant 1																															
CD84310	Engineering Design - CD Secondary Clarifiers Plant 1	398	31-Jul-18 A	05-Sep-19	Engineering Design - CD Secondary Clarifiers Plant 1																															
CD40340	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1	30	07-Aug-19	05-Sep-19	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1																															
Permitting					03-Mar-20, Permitting																															
CD87110	FDEP Permit - CD Secondary Clarifiers Plant 1	60	18-Apr-19 A	17-Jul-19	FDEP Permit - CD Secondary Clarifiers Plant 1																															
CD84530	Permitting - CD Secondary Clarifiers Plant 1	180	06-Sep-19	03-Mar-20	Permitting - CD Secondary Clarifiers Plant 1																															
Procurement					28-Dec-20, Procurement																															
CD84000	Internal Bid Package Review - CD Secondary Clarifiers Plant 1	30	04-Mar-20	02-Apr-20	Internal Bid Package Review - CD Secondary Clarifiers Plant 1																															
CD31200	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 1	0	03-Apr-20		Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 1																															
CD31210	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 1	60	03-Apr-20	01-Jun-20	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 1																															
CD31220	Advertise Bid Package - CD Secondary Clarifiers Plant 1	0	02-Jun-20		Advertise Bid Package - CD Secondary Clarifiers Plant 1																															
CD31230	Bid Solicitation Period - CD Secondary Clarifiers Plant 1	60	02-Jun-20	31-Jul-20	Bid Solicitation Period - CD Secondary Clarifiers Plant 1																															
CD31240	Bids Due - CD Secondary Clarifiers Plant 1	0	01-Aug-20		Bids Due - CD Secondary Clarifiers Plant 1																															
CD31250	Bid Review Period - CD Secondary Clarifiers Plant 1	30	01-Aug-20	30-Aug-20	Bid Review Period - CD Secondary Clarifiers Plant 1																															
CD31260	Award Recommendation - CD Secondary Clarifiers Plant 1	0		30-Aug-20	Award Recommendation - CD Secondary Clarifiers Plant 1																															
CD84320	Procurement - CD Secondary Clarifiers Plant 1	270	03-Apr-20	28-Dec-20	Procurement - CD Secondary Clarifiers Plant 1																															
CD31270	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1	120	31-Aug-20	28-Dec-20	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1																															
Construction					06-Feb-24, Construction																															
CD11528	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1	0	29-Dec-20		Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1																															
CD84290	Construction Clarifiers - CD Secondary Clarifiers Plant 1	1045	29-Dec-20	08-Nov-23	Construction Clarifiers - CD Secondary Clarifiers Plant 1																															
CD86240	Commissioning - CD Secondary Clarifiers Plant 1	45	25-Sep-23	08-Nov-23	Commissioning - CD Secondary Clarifiers Plant 1																															
CD11690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	0		08-Nov-23*	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1																															
CD40050	Project Closeout - CD Secondary Clarifiers Plant 1	90	09-Nov-23	06-Feb-24*	Project Closeout - CD Secondary Clarifiers Plant 1																															
Project Administration					06-Feb-24, Project Administration																															
CD85120	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986	31-Jul-18 A	06-Feb-24	WASD Project Administration - CD Secondary Clarifiers Plant 1																															
<b>2.07 (2) Secondary Clarifiers Plant 1 Train Mechanisms</b>																																				
Construction					15-Mar-21, Construction																															
CD85820	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	123	11-Jul-15 A	01-Sep-15 A	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms																															
CD83560	Construction Train 5 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	124	07-Dec-17 A	15-Feb-18 A	Construction Train 5 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms																															
CD85790	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																															
CD83540	Construction Trains 3 - CD Secondary Clarifiers Train Mechanisms	45	01-Nov-19	15-Dec-19	Construction Trains 3 - CD Secondary Clarifiers Train Mechanisms																															
CD84300	Construction Trains - CD Secondary Clarifiers Train Mechanisms	0	11-Jul-15 A	15-Dec-20	Construction Trains - CD Secondary Clarifiers Train Mechanisms																															
CD83550	Construction Train 4 - CD Secondary Clarifiers Train Mechanisms	45	01-Nov-20	15-Dec-20	Construction Train 4 - CD Secondary Clarifiers Train Mechanisms																															
CD83690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Train Mechanisms	0		15-Dec-20*	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Train Mechanisms																															
CD85690	Project Closeout - CD Secondary Clarifiers Train Mechanisms	90	16-Dec-20	15-Mar-21*	Project Closeout - CD Secondary Clarifiers Train Mechanisms																															
Project Administration					15-Mar-21, Project Administration																															
CD85130	WASD Project Administration - CD Secondary Clarifiers Train Mechanisms	501	01-Nov-19	15-Mar-21	WASD Project Administration - CD Secondary Clarifiers Train Mechanisms																															
<b>2.07 (3) Secondary Clarifiers Plant 1 Structural Rehab</b>																																				
Pre-Design					11-Apr-18 A, Pre-Design																															
CD83570	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 Secondary Clarifiers Structural Rehab																															
Engineering Design					28-Aug-18 A, Engineering Design																															
CD84330	Engineering Design Trains 1-6 - 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 Structural Rehab																															

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																					
					2016	2017	2018	2019	2020	2021	2022	2023	2024													
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Procurement</b>					31-Oct-21, Procurement																					
CD85350	Procurement Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	17-Jul-15 A	06-Oct-15 A	Procurement Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab																					
CD85770	Procurement Train 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	26-Feb-18 A	10-Apr-18 A	Procurement Train 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab																					
CD83630	Procurement Trains 3 - CD Secondary Clarifiers Structural Rehab	90	02-Nov-18 A	31-Oct-19	Procurement Trains 3 - CD Secondary Clarifiers Structural Rehab																					
CD83650	Procurement Trains 4 - CD Secondary Clarifiers Structural Rehab	212	03-Apr-20	31-Oct-20*	Procurement Trains 4 - CD Secondary Clarifiers Structural Rehab																					
CD84340	Procurement - CD Secondary Clarifiers Plant 1 Structural Rehab	444	17-Jul-15 A	31-Oct-21	Procurement - CD Secondary Clarifiers Plant 1 Structural Rehab																					
CD86970	Procurement Trains 5 - CD Secondary Clarifiers Structural Rehab	212	03-Apr-21	31-Oct-21*	Procurement Trains 5 - CD Secondary Clarifiers Structural Rehab																					
<b>Construction</b>					29-May-22, Construction																					
CD85360	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	120	15-Jul-15 A	02-Oct-15 A	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab																					
CD85780	Construction Train 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	60	26-Feb-18 A	17-Apr-18 A	Construction Train 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab																					
CD83660	Construction Trains 3 - CD Secondary Clarifiers Structural Rehab	210	01-Nov-19	28-May-20	Construction Trains 3 - CD Secondary Clarifiers Structural Rehab																					
CD86980	Construction Trains 4 - CD Secondary Clarifiers Structural Rehab	210	01-Nov-20	29-May-21	Construction Trains 4 - CD Secondary Clarifiers Structural Rehab																					
CD84350	Construction - CD Secondary Clarifiers Plant 1 Structural Rehab	444	15-Jul-15 A	29-Apr-22	Construction - CD Secondary Clarifiers Plant 1 Structural Rehab																					
CD83680	Construction Trains 5 - CD Secondary Clarifiers Structural Rehab	180	01-Nov-21	29-Apr-22	Construction Trains 5 - CD Secondary Clarifiers Structural Rehab																					
CD83980	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Structural Rehab	0		29-Apr-22*	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Structural Rehab																					
CD85700	Project Closeout - CD Secondary Clarifiers Structural Rehab	30	30-Apr-22	29-May-22*	Project Closeout - CD Secondary Clarifiers Structural Rehab																					
<b>Project Administration</b>					29-May-22, Project Administration																					
CD85140	WASD Project Administration - CD Secondary Clarifiers Structural Rehab	738	12-Apr-18 A	29-May-22	WASD Project Administration - CD Secondary Clarifiers Structural Rehab																					
<b>2.08 Secondary Clarifiers Plant 2</b>					01-Dec-24																					
<b>Engineering Design</b>					31-Oct-21, Engineering Design																					
CD82580	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																					
CD10630	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A	Engineering Design - CD Secondary Clarifiers Plant 2																					
CD80650	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 2	0		31-Oct-21*	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 2																					
<b>Permitting</b>					22-May-18 A, Permitting																					
CD82590	EPA Start Date for Permitting - CD Secondary Clarifiers Plant 2	0	06-Dec-16 A		EPA Start Date for Permitting - CD Secondary Clarifiers Plant 2																					
CD80660	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																					
CD10790	Permitting - CD Secondary Clarifiers Plant 2	466	28-Jul-16 A	22-May-18 A	Permitting - CD Secondary Clarifiers Plant 2																					
<b>Procurement</b>					30-Sep-21, Procurement																					
CD82600	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																					
CD80670	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 2	0		05-Dec-18 A	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 2																					
CD11000	Procurement - CD Secondary Clarifiers Plant 2	1440	27-Nov-17 A	30-Sep-21	Procurement - CD Secondary Clarifiers Plant 2																					
<b>Construction</b>					01-Dec-24																					
CD82610	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																					
CD11117	Construction - CD Secondary Clarifiers Plant 2	1740	21-Nov-18 A	10-Sep-23	Construction - CD Secondary Clarifiers Plant 2																					
CD11570	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		10-Sep-23*	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2																					
CD80850	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 2	0		01-Dec-24*	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 2																					
<b>Project Administration</b>					09-Nov-23, Project Administration																					
CD34010	WASD Project Administration - CD Secondary Clarifiers Plant 2	2705	16-Mar-16 A	09-Nov-23	WASD Project Administration - CD Secondary Clarifiers Plant 2																					
<b>2.08 (1) Secondary Clarifiers Plant 2</b>					09-Nov-23, 2.08 (1) Secondary Clarifiers Plant 2																					
<b>Pre-Design</b>					15-Mar-16 A, Pre-Design																					
CD11262	Pre-Design - CD Secondary Clarifiers Plant 2	244	15-Jul-15 A	15-Mar-16 A	Pre-Design - CD Secondary Clarifiers Plant 2																					
<b>Engineering Design</b>					01-Feb-17 A, Engineering Design																					
CD20830	Draft Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	94	16-Mar-16 A	17-Jun-16 A	Draft Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2																					
CD20770	BODR Review Period - CD Secondary Clarifiers Plant 2	7	18-Jun-16 A	24-Jun-16 A	BODR Review Period - 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	Final Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2																					
CD20780	30% Design Submittal - CD Secondary Clarifiers Plant 2	50	08-Jul-16 A	26-Aug-16 A	30% Design Submittal - CD Secondary Clarifiers Plant 2																					
CD20790	30% Design Review - CD Secondary Clarifiers Plant 2	7	27-Aug-16 A	02-Sep-16 A	30% Design Review - CD Secondary Clarifiers 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																					
<b>Permitting</b>					22-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	Permitting - CD Secondary Clarifiers Plant	466	28-Jul-16 A	22-May-18 A	Permitting - CD Secondary Clarifiers Plant																					
CD80160	City of Miami Permit - CD Secondary Clarifiers Plant 2	180	10-May-17 A	22-May-18 A	City of Miami Permit - CD Secondary Clarifiers Plant 2																					
<b>Procurement</b>					29-Nov-18 A, Procurement																					
CD84130	GMOU submittal and approval - CD Secondary Clarifiers Plant 2	21	03-Feb-17 A	23-Feb-17 A	GMOU submittal and approval - CD Secondary Clarifiers Plant 2																					
CD84010	Internal Bid Package Review - CD Secondary Clarifiers Plant 2	3	13-Nov-17 A	26-Nov-17 A	Internal Bid Package Review - CD Secondary Clarifiers Plant 2																					
CD31280	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 2	0	27-Nov-17 A		Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 2																					
CD31290	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 2	60	22-Jan-18 A	11-Apr-18 A	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 2																					
CD31300	Advertise Bid Package - CD Secondary Clarifiers Plant 2	0	12-Apr-18 A		Advertise Bid Package - CD Secondary Clarifiers Plant 2																					
CD31310	Bid Solicitation Period - CD Secondary Clarifiers Plant 2	45	12-Apr-18 A	04-Jun-18 A	Bid Solicitation Period - CD Secondary Clarifiers Plant 2																					
CD31320	Bids Due - CD Secondary Clarifiers Plant 2	0	05-Jun-18 A		Bids Due - CD Secondary Clarifiers Plant 2																					
CD31330	Bid Review Period - CD Secondary Clarifiers Plant 2	60	05-Jun-18 A	12-Oct-18 A	Bid Review Period - CD Secondary Clarifiers Plant 2																					
CD31340	Award Recommendation - CD Secondary Clarifiers Plant 2	0		12-Oct-18 A	Award Recommendation - CD Secondary Clarifiers Plant 2																					
CD84380	Procurement - CD Secondary Clarifiers Plant 2	270	27-Nov-17 A	29-Nov-18 A	Procurement - CD Secondary Clarifiers Plant 2																					
CD31350	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 2	45	13-Oct-18 A	29-Nov-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 2																					
<b>Construction</b>					09-Nov-23, Construction																					
CD11113	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 2	0	06-Dec-18 A		Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 2																					
CD80120	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2	348	06-Dec-18 A	27-Jun-20	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2																					
CD84390	Construction Clarifiers - CD Secondary Clarifiers Plant 2	1740	06-Dec-18 A	10-Sep-23	Construction Clarifiers - CD Secondary Clarifiers Plant 2																					









Activity ID	Activity Name	Original Duration	Start	Finish	2016												2017												2018												2019												2020												2021												2022												2023												2024											
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																																												
CD80900	EPA Compliance Date for Construction - CD Effluent Pump Station	0		21-Jun-21*	◆ EPA Compliance Date for Construction - CD Effluent Pump Station																																																																																																											
<b>Project Administration</b>		1121	13-Sep-16 A	16-Dec-20	WASD Project Administration - CD Effluent Pump Station																																																																																																											
CD34040	WASD Project Administration - CD Effluent Pump Station	1121	13-Sep-16 A	16-Dec-20	WASD Project Administration - CD Effluent Pump Station																																																																																																											
<b>2.12 Gravity Sludge Thickeners Plant 1</b>		2959	02-Feb-15 A	10-Mar-23	10-Mar-23, 2.12 Gravity Sludge																																																																																																											
<b>Pre-Design</b>		87	02-Feb-15 A	30-Apr-15 A	Pre-Design																																																																																																											
CD11302	Pre-Design - CD Gravity Sludge Thickeners Plant 1	88	02-Feb-15 A	30-Apr-15 A	Pre-Design - CD Gravity Sludge Thickeners Plant 1																																																																																																											
<b>Engineering Design</b>		868	16-Jun-15 A	05-Oct-17 A	05-Oct-17 A, Engineering Design																																																																																																											
CD20960	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 1	190	16-Jun-15 A	22-Dec-15 A	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD32810	BODR Design Review - CD Gravity Sludge Thickeners Plant 1	36	23-Dec-15 A	27-Jan-16 A	BODR Design Review - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD10370	Engineering Design - CD Gravity Sludge Thickeners Plant 1	288	16-Jun-15 A	29-Mar-16 A	Engineering Design - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD41080	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 1	0		29-Mar-16 A	◆ Issue Final RDBS - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD32620	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1	90	28-Jan-16 A	26-Apr-16 A	◆ Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD32640	DCP Design Review - CD Gravity Sludge Thickeners Plant 1	25	25-Apr-16 A	19-May-16 A	◆ DCP Design Review - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33340	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1	298	04-Jan-16 A	27-Oct-16 A	◆ Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD32660	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 1	188	20-May-16 A	23-Nov-16 A	◆ Final DCP Submittal - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD82740	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0	01-Apr-17 A		◆ EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD80910	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0		05-Oct-17 A	◆ EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1																																																																																																											
<b>Permitting</b>		1217	29-Jan-16 A	31-Aug-19	31-Aug-19, Permitting																																																																																																											
CD32680	FDEP Permit - CD Gravity Sludge Thickeners Plant 1	126	29-Jan-16 A	02-Jun-16 A	◆ FDEP Permit - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD87140	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 1	60	19-Mar-19 A	31-Aug-19	◆ FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 1																																																																																																											
<b>Procurement</b>		1624	29-Mar-16 A	16-Aug-20	16-Aug-20, Procurement																																																																																																											
CD33220	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 1	0	29-Mar-16 A		◆ RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33230	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 1	113	29-Mar-16 A	19-Jul-16 A	◆ Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33240	Advertise RDBS - CD Gravity Sludge Thickeners Plant 1	0	20-Jul-16 A		◆ Advertise RDBS - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33250	Request for Qualifications - CD Gravity Sludge Thickeners Plant 1	59	20-Jul-16 A	16-Sep-16 A	◆ Request for Qualifications - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33260	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 1	0	17-Sep-16 A		◆ Qualifications Package Due - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33270	Qualification Review Period - CD Gravity Sludge Thickeners Plant 1	91	17-Sep-16 A	16-Dec-16 A	◆ Qualification Review Period - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33280	Shortlist Published - CD Gravity Sludge Thickeners Plant 1	0		16-Dec-16 A	◆ Shortlist Published - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33290	Request for Proposals - CD Gravity Sludge Thickeners Plant 1	101	24-Jan-17 A	04-May-17 A	◆ Request for Proposals - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33300	Proposals Due - CD Gravity Sludge Thickeners Plant 1	0	05-May-17 A		◆ Proposals Due - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33310	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 1	112	05-May-17 A	24-Aug-17 A	◆ Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33320	Award Recommendation - CD Gravity Sludge Thickeners Plant 1	0	25-Aug-17 A		◆ Award Recommendation - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33330	Contract Negotiations - CD Gravity Sludge Thickeners Plant 1	53	25-Aug-17 A	17-Nov-17 A	◆ Contract Negotiations - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33360	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 1	79	18-Nov-17 A	01-May-18 A	◆ Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86110	Bid Cancellation - CD Gravity Sludge Thickeners Plant 1	0		30-May-18 A	◆ Bid Cancellation - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86170	TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 1	60	11-May-18 A	23-Jul-18 A	◆ TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86430	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	28-Aug-18 A	◆ Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments																																																																																																											
CD82760	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0	06-Oct-18 A		◆ EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86440	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40	19-Sep-18 A	08-Nov-18 A	◆ Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB																																																																																																											
CD86450	Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 1	0		08-Nov-18 A	◆ Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86480	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1	40	19-Sep-18 A	04-Jan-19 A	◆ Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86460	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	40	09-Nov-18 A	11-Jan-19 A	◆ Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86470	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 1	30	12-Jan-19 A	06-Mar-19 A	◆ Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86990	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 1	15	12-Mar-19 A	19-Mar-19 A	◆ 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	18-Mar-19 A	10-May-19 A	◆ Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86520	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1	30	10-May-19 A	12-Jun-19 A	◆ Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86510	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1	76	11-May-19 A	12-Jun-19 A	◆ Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86530	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 1	60	13-Jun-19 A	11-Aug-19	◆ Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86540	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)	40	12-Aug-19	20-Sep-19	◆ Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)																																																																																																											
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																																																																																																											
CD86550	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1	60	21-Sep-19	19-Nov-19	◆ Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86560	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 1	60	20-Nov-19	18-Jan-20	◆ Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86570	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	19-Jan-20	18-Mar-20	◆ Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures																																																																																																											
CD86580	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 1	40	19-Mar-20	27-Apr-20	◆ Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD86590	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 1	90	28-Apr-20	26-Jul-20	◆ Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD10730	Procurement - CD Gravity Sludge Thickeners Plant 1	679	29-Mar-16 A	16-Aug-20	Procurement - 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	21	27-Jul-20	16-Aug-20	◆ Issue NTP - CD Gravity Sludge Thickeners Plant 1																																																																																																											
<b>Design-Build</b>		1252	06-Oct-19	10-Mar-23	10-Mar-23, Design-Build																																																																																																											
CD82770	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 1	0	06-Oct-19*		◆ EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD33350	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 1	0	17-Aug-20		◆ Design-Builder NTP - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD32690	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1	300	17-Aug-20	12-Jun-21	◆ Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD32700	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1	180	13-Feb-21	11-Aug-21	◆ AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1																																																																																																											
CD84760	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 1	876	17-Aug-20	09-Jan-23	◆ Design-Builder Contract Duration -																																																																																																											
CD10950	Construction - CD Gravity Sludge Thickeners Plant 1	696	13-Feb-21	09-Jan-23	Construction - CD Gravity Sludge																																																																																																											
CD86290	Commissioning - CD Gravity Sludge Thickeners Plant 1	30	11-Dec-22	09-Jan-23	◆ Commissioning - CD Gravity Sludge																																																																																																											
CD11160	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 1	0		09-Jan-23*	◆ Substantial Completion (CD Comp																																																																																																											
CD80940	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 1	0		13-Jan-23*	◆ EPA Compliance Date for Constr																																																																																																											
CD40100	Project Closeout - CD Gravity Sludge Thickeners Plant 1	60	10-Jan-23	10-Mar-23*	◆ Project Closeout - CD Gravity S																																																																																																											
<b>Project Administration</b>		2039	16-Jun-15 A	10-Mar-23	10-Mar-23, Project Administration																																																																																																											
CD34050	WASD Project Administration - CD Gravity Sludge Thickeners Plant 1	2039	16-Jun-15 A	10-Mar-23	WASD Project Administration -																																																																																																											
<b>2.13 Gravity Sludge Thickeners Plant 2</b>		3195	11-Jun-14 A	10-Mar-23	10-Mar-23, 2.13 Gravity Sludge																																																																																																											
<b>Pre-Design</b>		58	01-Feb-15 A	31-Mar-15 A	Pre-Design																																																																																																											

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024 Quarterly Schedule																																	
					2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CD21080	Negotiate/Award Balance of Design - CD Gravity Sludge Thickeners Plant 2	59	01-Feb-15 A	31-Mar-15 A	Balance of Design - CD Gravity Sludge Thickeners Plant 2																																	
<b>Engineering Design</b>					23-Nov-16 A; Engineering Design																																	
CD21020	Complete Technical Memorandum - CD Gravity Sludge Thickeners Plant 2	235	11-Jun-14 A	31-Jan-15 A	Memorandum - CD Gravity Sludge Thickeners Plant 2																																	
CD82780	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	0	01-Oct-15 A		Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2																																	
CD21730	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 2	236	01-May-15 A	22-Dec-15 A	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 2																																	
CD21740	BODR Design Review - CD Gravity Sludge Thickeners Plant 2	36	23-Dec-15 A	27-Jan-16 A	BODR Design Review - CD Gravity Sludge Thickeners Plant 2																																	
CD10510	Engineering Design - CD Gravity Sludge Thickeners Plant 2	658	11-Jun-14 A	29-Mar-16 A	Engineering Design - CD Gravity Sludge Thickeners Plant 2																																	
CD41070	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 2	0		29-Mar-16 A	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 2																																	
CD30160	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2	90	28-Jan-16 A	26-Apr-16 A	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2																																	
CD30190	DCP Design Review - CD Gravity Sludge Thickeners Plant 2	23	27-Apr-16 A	19-May-16 A	DCP Design Review - CD Gravity Sludge Thickeners Plant 2																																	
CD80950	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	0		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	188	20-May-16 A	23-Nov-16 A	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2																																	
<b>Permitting</b>					31-Aug-19, Permitting																																	
CD30230	FDEP Permit - CD Gravity Sludge Thickeners Plant 2	126	29-Jan-16 A	02-Jun-16 A	FDEP Permit - CD Gravity Sludge Thickeners Plant 2																																	
CD87130	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 2	60	19-Mar-19 A	31-Aug-19	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 2																																	
<b>Procurement</b>					16-Aug-20, Procurement																																	
CD33380	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 2	0	29-Mar-16 A		RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 2																																	
CD33390	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 2	113	29-Mar-16 A	19-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 2																																	
CD33400	Advertise RDBS - CD Gravity Sludge Thickeners Plant 2	0	20-Jul-16 A		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 Thickeners Plant 2																																	
CD33420	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 2	0	17-Sep-16 A		Qualifications Package Due - CD Gravity Sludge Thickeners Plant 2																																	
CD33430	Qualification Review Period - CD Gravity Sludge Thickeners Plant 2	91	17-Sep-16 A	16-Dec-16 A	Qualification Review Period - CD Gravity Sludge Thickeners Plant 2																																	
CD33440	Shortlist Published - CD Gravity Sludge Thickeners Plant 2	0		16-Dec-16 A	Shortlist Published - 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	101	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	0	05-May-17 A		Proposals Due - CD Gravity Sludge Thickeners Plant 2																																	
CD33470	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 2	112	05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 2																																	
CD33480	Award Recommendation - CD Gravity Sludge Thickeners Plant 2	0	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 Thickeners 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 Mgmt.) - CD Gravity Sludge Thickeners Plant 2																																	
CD86120	Bid Cancellation - CD Gravity Sludge Thickeners Plant 2	0		30-May-18 A	Bid Cancellation - 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	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	20	09-Aug-18 A	28-Aug-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments																																	
CD86620	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																																	
CD86630	Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 2	0		08-Nov-18 A	Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 2																																	
CD86660	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 2	40	19-Sep-18 A	04-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 2																																	
CD86640	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 2	40	09-Nov-18 A	11-Jan-19 A	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 2																																	
CD86650	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 2	30	12-Jan-19 A	06-Mar-19 A	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 2																																	
CD87000	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 2	15	12-Mar-19 A	19-Mar-19 A	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	18-Mar-19 A	10-May-19 A	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 2																																	
CD86700	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 2	30	10-May-19 A	12-Jun-19 A	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 2																																	
CD86690	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 2	76	11-May-19 A	12-Jun-19 A	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 2																																	
CD86710	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 2	60	13-Jun-19 A	11-Aug-19	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Gravity Sludge Thickeners Plant 2																																	
CD86720	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)	40	12-Aug-19	20-Sep-19	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)																																	
CD86730	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2	60	21-Sep-19	19-Nov-19	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2																																	
CD86740	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 2	60	20-Nov-19	18-Jan-20	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Gravity Sludge Thickeners Plant 2																																	
CD86750	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	19-Jan-20	18-Mar-20	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures																																	
CD86760	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 2	40	19-Mar-20	27-Apr-20	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 2																																	
CD86770	Submit item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 2	90	28-Apr-20	26-Jul-20	Submit item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 2																																	
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	21	27-Jul-20	16-Aug-20	Issue NTP - CD Gravity Sludge Thickeners Plant 2																																	
<b>Design-Build</b>					10-Mar-23, Design-Build																																	
CD82810	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		Design-Builder NTP - CD Gravity Sludge Thickeners Plant 2																																	
CD30240	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2	300	17-Aug-20	12-Jun-21	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2																																	
CD30250	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 2	180	13-Feb-21	11-Aug-21	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 2																																	
CD84770	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 2	876	17-Aug-20	09-Jan-23	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 2																																	
CD11040	Construction - CD Gravity Sludge Thickeners Plant 2	696	13-Feb-21	09-Jan-23	Construction - CD Gravity Sludge Thickeners Plant 2																																	
CD86300	Commissioning - CD Gravity Sludge Thickeners Plant 2	30	11-Dec-22	09-Jan-23	Commissioning - CD Gravity Sludge Thickeners Plant 2																																	
CD11200	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 2	0		09-Jan-23*	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 2																																	
CD80980	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 2	0		13-Jan-23*	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 2																																	
CD40110	Project Closeout - CD Gravity Sludge Thickeners Plant 2	60	10-Jan-23	10-Mar-23*	Project Closeout - CD Gravity Sludge Thickeners Plant 2																																	
<b>Project Administration</b>					10-Mar-23, Project Administration																																	
CD34060	WASD Project Administration - CD Gravity Sludge Thickeners Plant 2	2085	01-May-15 A	10-Mar-23	WASD Project Administration - CD Gravity Sludge Thickeners Plant 2																																	
<b>2.14 Digesters Plant 1</b>																																						
<b>2.14.1 Cluster 1</b>																																						
<b>Pre-Design</b>					26-Jul-19, Pre-Design																																	
CD84520	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1	0	21-May-18 A		Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1																																	
CD11312	Pre-Design - CD Digesters Plant 1 Cluster 1	27	30-Jun-19*	26-Jul-19	Pre-Design - CD Digesters Plant 1 Cluster 1																																	
<b>Engineering Design</b>					04-Nov-20, Engineering Design																																	



Activity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024																																			
					2016				2017				2018				2019				2020				2021				2022				2023				2024			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD40130	Project Closeout - CD Digeeters Plant 1 Cluster 2	90	11-Jul-23	08-Oct-23*	[Gantt bar: 11-Jul-23 to 08-Oct-23]																																			
CD82890	EPA Start Date for Construction - CD Digeeters Plant 1 Cluster 2	0	06-Jun-24*		[EPA Start Date]																																			
CD81060	EPA Compliance Date for Construction - CD Digeeters Plant 1 Cluster 2	0	19-Jan-26*		[EPA Compliance Date]																																			
<b>Project Administration</b>		1534	28-Jul-19	08-Oct-23	[Gantt bar: 28-Jul-19 to 08-Oct-23]																																			
CD34080	WASD Project Administration - CD Digeeters Plant 1 Cluster 2	1534	28-Jul-19	08-Oct-23	[Gantt bar: 28-Jul-19 to 08-Oct-23]																																			
<b>2.15 Digeeters Plant 2</b>		3295	11-Jun-14 A	18-Jun-23	[Gantt bar: 11-Jun-14 to 18-Jun-23]																																			
<b>2.15.1 Cluster 1</b>		3295	11-Jun-14 A	18-Jun-23	[Gantt bar: 11-Jun-14 to 18-Jun-23]																																			
<b>Engineering Design</b>		505	11-Jun-14 A	29-Oct-15 A	[Gantt bar: 11-Jun-14 to 29-Oct-15]																																			
CD82900	EPA Start Date for Engineering Design - CD Digeeters Plant 2 Cluster 1	0	11-Jun-14 A		[EPA Start Date]																																			
CD21750	30% Design and Final BODR Submittal - CD Digeeters Plant 2 Cluster 1	314	11-Jun-14 A	20-Apr-15 A	[Gantt bar: 11-Jun-14 to 20-Apr-15]																																			
CD21760	30% Design Review - CD Digeeters Plant 2 Cluster 1	4	20-Apr-15 A	23-Apr-15 A	[Gantt bar: 20-Apr-15 to 23-Apr-15]																																			
CD20130	NTP for Remaining Design - CD Digeeters Plant 2 Cluster 1	0	27-Apr-15 A		[NTP Start]																																			
CD20170	60% Design Submittal - CD Digeeters Plant 2 Cluster 1	114	23-Apr-15 A	14-Aug-15 A	[Gantt bar: 23-Apr-15 to 14-Aug-15]																																			
CD20180	60% Design Review - CD Digeeters Plant 2 Cluster 1	13	14-Aug-15 A	26-Aug-15 A	[Gantt bar: 14-Aug-15 to 26-Aug-15]																																			
CD20190	100% Design Submittal - CD Digeeters Plant 2 Cluster 1	34	27-Aug-15 A	29-Sep-15 A	[Gantt bar: 27-Aug-15 to 29-Sep-15]																																			
CD10030	Engineering Design - CD Digeeters Plant 2 Cluster 1	475	11-Jun-14 A	29-Sep-15 A	[Gantt bar: 11-Jun-14 to 29-Sep-15]																																			
CD81070	EPA Compliance Date for Engineering Design - CD Digeeters Plant 2 Cluster 1	0	29-Oct-15 A		[EPA Compliance Date]																																			
<b>Permitting</b>		329	30-Sep-15 A	24-Aug-16 A	[Gantt bar: 30-Sep-15 to 24-Aug-16]																																			
CD82910	EPA Start Date for Permitting - CD Digeeters Plant 2 Cluster 1**	0	30-Sep-15 A		[EPA Start Date]																																			
CD80100	FDEP Permit - CD Digeeters Plant 2 Cluster 1	169	30-Sep-15 A	16-Mar-16 A	[Gantt bar: 30-Sep-15 to 16-Mar-16]																																			
CD81080	EPA Compliance Date for Permitting - CD Digeeters Plant 2 Cluster 1**	0	27-Mar-16 A		[EPA Compliance Date]																																			
CD10110	Permitting - CD Digeeters Plant 2 Cluster 1	330	30-Sep-15 A	24-Aug-16 A	[Gantt bar: 30-Sep-15 to 24-Aug-16]																																			
CD80110	City of Miami Building Permit - CD Digeeters Plant 2 Cluster 1	234	04-Jan-16 A	24-Aug-16 A	[Gantt bar: 04-Jan-16 to 24-Aug-16]																																			
<b>Procurement</b>		870	14-Aug-14 A	31-Dec-16 A	[Gantt bar: 14-Aug-14 to 31-Dec-16]																																			
CD12171	Owner Pre-Purchase Digester Cover (1) - CD Digeeters Plant 2 Cluster 1	222	14-Aug-14 A	23-Mar-15 A	[Gantt bar: 14-Aug-14 to 23-Mar-15]																																			
CD82920	EPA Start Date for Procurement - CD Digeeters Plant 2 Cluster 1	0	28-Mar-16 A		[EPA Start Date]																																			
CD30610	Design Documents Sent to Procurement - CD Digeeters Plant 2 Cluster 1	0	27-Apr-16 A		[Design Docs Sent]																																			
CD30620	Submit/Approve SBD Goals and Request to Advertise - CD Digeeters Plant 2 Cluster 1	72	27-Apr-16 A	07-Jul-16 A	[Gantt bar: 27-Apr-16 to 07-Jul-16]																																			
CD30630	Advertise Bid Package - CD Digeeters Plant 2 Cluster 1	0	08-Jul-16 A		[Advertise Bid]																																			
CD30640	Bid Solicitation Period - CD Digeeters Plant 2 Cluster 1	46	08-Jul-16 A	22-Aug-16 A	[Gantt bar: 08-Jul-16 to 22-Aug-16]																																			
CD30650	Bids Due - CD Digeeters Plant 2 Cluster 1	0	23-Aug-16 A		[Bids Due]																																			
CD30660	Bid Review Period - CD Digeeters Plant 2 Cluster 1	58	23-Aug-16 A	19-Oct-16 A	[Gantt bar: 23-Aug-16 to 19-Oct-16]																																			
CD30670	Award Recommendation - CD Digeeters Plant 2 Cluster 1	0	19-Oct-16 A		[Award Rec]																																			
CD10120	Procurement - CD Digeeters Plant 2 Cluster 1	181	27-Apr-16 A	24-Oct-16 A	[Gantt bar: 27-Apr-16 to 24-Oct-16]																																			
CD30680	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digeeters Plant 2 Cluster 1	5	20-Oct-16 A	24-Oct-16 A	[Gantt bar: 20-Oct-16 to 24-Oct-16]																																			
CD81090	EPA Compliance Date for Procurement - CD Digeeters Plant 2 Cluster 1	0	31-Dec-16 A		[EPA Compliance Date]																																			
<b>Construction</b>		3010	23-Mar-15 A	18-Jun-23	[Gantt bar: 23-Mar-15 to 18-Jun-23]																																			
CD30260	Construction of Digester Cover (1) - CD Digeeters Plant 2 Cluster 1	217	23-Mar-15 A	25-Oct-15 A	[Gantt bar: 23-Mar-15 to 25-Oct-15]																																			
CD82930	EPA Start Date for Construction - CD Digeeters Plant 2 Cluster 1	0	24-Sep-16 A		[EPA Start Date]																																			
CD10378	Contractor Notice to Proceed (NTP) - CD Digeeters Plant 2 Cluster 1	0	31-Oct-16 A		[NTP Start]																																			
CD10380	Construction - CD Digeeters Plant 2 Cluster 1	1128	23-Mar-15 A	13-Jan-20	[Gantt bar: 23-Mar-15 to 13-Jan-20]																																			
CD40810	Construction (Remaining Scope) - CD Digeeters Plant 2 Cluster 1	540	31-Oct-16 A	13-Jan-20	[Gantt bar: 31-Oct-16 to 13-Jan-20]																																			
CD86310	Commissioning - CD Digeeters Plant 2 Cluster 1	14	31-Dec-19	13-Jan-20	[Gantt bar: 31-Dec-19 to 13-Jan-20]																																			
CD10770	Substantial Completion (CD Compliance Date 6/18/23) - CD Digeeters Plant 2 Cluster 1	0	13-Jan-20*		[Substantial Completion]																																			
CD40140	Project Closeout - CD Digeeters Plant 2 Cluster 1	60	14-Jan-20	13-Mar-20*	[Gantt bar: 14-Jan-20 to 13-Mar-20]																																			
CD81100	EPA Compliance Date for Construction - CD Digeeters Plant 2 Cluster 1	0	18-Jun-23*		[EPA Compliance Date]																																			
<b>Project Administration</b>		1483	11-Jun-14 A	13-Mar-20	[Gantt bar: 11-Jun-14 to 13-Mar-20]																																			
CD34090	WASD Project Administration - CD Digeeters Plant 2 Cluster 1	1483	11-Jun-14 A	13-Mar-20	[Gantt bar: 11-Jun-14 to 13-Mar-20]																																			
<b>2.15.2 Cluster 2</b>		3104	19-Dec-14 A	18-Jun-23	[Gantt bar: 19-Dec-14 to 18-Jun-23]																																			
<b>Pre-Design</b>		495	19-Dec-14 A	27-Apr-16 A	[Gantt bar: 19-Dec-14 to 27-Apr-16]																																			
CD12181	Pre-Design - CD Digeeters Plant 2 Cluster 2	137	19-Dec-14 A	04-May-15 A	[Gantt bar: 19-Dec-14 to 04-May-15]																																			
CD41120	Negotiate Scope & Fee for Balance of Design - CD Digeeters Plant 2 Cluster 2	167	13-Nov-15 A	27-Apr-16 A	[Gantt bar: 13-Nov-15 to 27-Apr-16]																																			
<b>Engineering Design</b>		1337	04-May-15 A	07-Dec-18 A	[Gantt bar: 04-May-15 to 07-Dec-18]																																			
CD20200	Basis of Design Report (BODR) - CD Digeeters Plant 2 Cluster 2	100	05-May-15 A	12-Aug-15 A	[Gantt bar: 05-May-15 to 12-Aug-15]																																			
CD20210	BODR Review Period - CD Digeeters Plant 2 Cluster 2	14	13-Aug-15 A	26-Aug-15 A	[Gantt bar: 13-Aug-15 to 26-Aug-15]																																			
CD20260	100% Design Submittal - CD Digeeters Plant 2 Cluster 2	52	28-Apr-16 A	18-Jun-16 A	[Gantt bar: 28-Apr-16 to 18-Jun-16]																																			
CD10390	Engineering Design - CD Digeeters Plant 2 Cluster 2	478	04-May-15 A	23-Aug-16 A	[Gantt bar: 04-May-15 to 23-Aug-16]																																			
CD40450	100% Design Review/Permit Ready Submittal - CD Digeeters Plant 2 Cluster 2	66	19-Jun-16 A	23-Aug-16 A	[Gantt bar: 19-Jun-16 to 23-Aug-16]																																			
CD82940	EPA Start Date for Engineering Design - CD Digeeters Plant 2 Cluster 2	0	10-Jan-18 A		[EPA Start Date]																																			
CD81110	EPA Compliance Date for Engineering Design - CD Digeeters Plant 2 Cluster 2	0	07-Dec-18 A		[EPA Compliance Date]																																			
<b>Permitting</b>		1201	24-Aug-16 A	07-Dec-19	[Gantt bar: 24-Aug-16 to 07-Dec-19]																																			
CD82300	DERM Permit - CD Digeeters Plant 2 Cluster 2	21	24-Aug-16 A	13-Sep-16 A	[Gantt bar: 24-Aug-16 to 13-Sep-16]																																			
CD10540	Permitting - CD Digeeters Plant 2 Cluster 2	339	24-Aug-16 A	28-Jul-17 A	[Gantt bar: 24-Aug-16 to 28-Jul-17]																																			
CD82310	City of Miami Permit - CD Digeeters Plant 2 Cluster 2	318	14-Sep-16 A	28-Jul-17 A	[Gantt bar: 14-Sep-16 to 28-Jul-17]																																			
CD82950	EPA Start Date for Permitting - CD Digeeters Plant 2 Cluster 2	0	08-Dec-18 A		[EPA Start Date]																																			
CD81120	EPA Compliance Date for Permitting - CD Digeeters Plant 2 Cluster 2	0	07-Dec-19*		[EPA Compliance Date]																																			
<b>Procurement</b>		1413	24-Jan-17 A	06-Dec-20	[Gantt bar: 24-Jan-17 to 06-Dec-20]																																			
CD84210	GMOU submittal and approval - CD Digeeters Plant 2 Cluster 2	21	24-Jan-17 A	13-Feb-17 A	[Gantt bar: 24-Jan-17 to 13-Feb-17]																																			
CD84070	Internal Bid Package Review - CD Digeeters Plant 2 Cluster 2	11	14-Jul-17 A	24-Jul-17 A	[Gantt bar: 14-Jul-17 to 24-Jul-17]																																			
CD31840	Design Documents Sent to Procurement - CD Digeeters Plant 2 Cluster 2	0	25-Jul-17 A		[Design Docs Sent]																																			
CD31850	Submit/Approve SBD Goals and Request to Advertise - CD Digeeters Plant 2 Cluster 2	175	25-Jul-17 A	04-Jan-18 A	[Gantt bar: 25-Jul-17 to 04-Jan-18]																																			
CD31860	Advertise Bid Package - CD Digeeters Plant 2 Cluster 2	0	05-Jan-18 A		[Advertise Bid]																																			
CD31870	Bid Solicitation Period - CD Digeeters Plant 2 Cluster 2	60	05-Jan-18 A	22-Feb-18 A	[Gantt bar: 05-Jan-18 to 22-Feb-18]																																			



Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CD81390	EPA Compliance Date for Engineering Design - CD Dewatering Building	0		01-Aug-17 A	◆ EPA Compliance Date for Engineering Design - CD Dewatering Building																																	
CD32780	FDEP Permit - CD Dewatering Building	126	29-Jan-16 A	02-Jun-16 A	◆ FDEP Permit - CD Dewatering Building																																	
CD87150	FDEP Permit (Revised BODR) - CD Dewatering Building	60	19-Mar-19 A	31-Aug-19	◆ FDEP Permit (Revised BODR) - CD Dewatering Building																																	
CD33520	RDBS Sent to Procurement - CD Dewatering Building	0	29-Mar-16 A		◆ 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		◆ Advertise RDBS - 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		◆ 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	Shortlist Published - CD Dewatering Building	0		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		◆ Proposals Due - CD Dewatering Building																																	
CD33610	Proposal Review Period & Oral Presentations - CD Dewatering Building	112	05-May-17 A	24-Aug-17 A	◆ Proposal Review Period & Oral Presentations - CD Dewatering Building																																	
CD33620	Award Recommendation - CD Dewatering Building	0	25-Aug-17 A		◆ Award Recommendation - CD Dewatering Building																																	
CD33630	Contract Negotiations - CD Dewatering Building	53	25-Aug-17 A	17-Nov-17 A	◆ Contract Negotiations - CD Dewatering Building																																	
CD33640	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Dewatering Building	79	18-Nov-17 A	01-May-18 A	◆ Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Dewatering Building																																	
CD86130	Bid Cancellation - CD Dewatering Building	0		30-May-18 A	◆ Bid Cancellation - CD Dewatering Building																																	
CD86190	TA Re-Negotiation and Approval - CD Dewatering Building	60	11-May-18 A	23-Jul-18 A	◆ TA Re-Negotiation and Approval - CD Dewatering Building																																	
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 Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments																																	
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 Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB																																	
CD86810	Project Advertisement (after signed RTA) - CD Dewatering Building	0		08-Nov-18 A	◆ Project Advertisement (after signed RTA) - CD Dewatering Building																																	
CD86840	Select and Approve Competitive Selection Committee (CSC) - CD Dewatering Building	40	19-Sep-18 A	04-Jan-19 A	◆ Select and Approve Competitive Selection Committee (CSC) - CD Dewatering Building																																	
CD86820	Step 1 - Submittal Due Date - CD Dewatering Building	40	09-Nov-18 A	11-Jan-19 A	◆ Step 1 - Submittal Due Date - CD Dewatering Building																																	
CD86830	Step 1 - Qualifications Evaluation/Meeting - CD Dewatering Building	30	12-Jan-19 A	06-Mar-19 A	◆ Step 1 - Qualifications Evaluation/Meeting - CD Dewatering Building																																	
CD87010	Issue DCP and Request for Proposals - CD Dewatering Building	15	12-Mar-19 A	19-Mar-19 A	◆ Issue DCP and Request for Proposals - CD Dewatering Building																																	
CD86860	Step 2 Submittal Due Date - CD Dewatering Building	54	18-Mar-19 A	10-May-19 A	◆ Step 2 Submittal Due Date - CD Dewatering Building																																	
CD86880	Step 2 Meeting - CD Dewatering Building	30	10-May-19 A	12-Jun-19 A	◆ Step 2 Meeting - CD Dewatering Building																																	
CD86870	Step 2 Proposal Review and Evaluation - CD Dewatering Building	76	11-May-19 A	12-Jun-19 A	◆ Step 2 Proposal Review and Evaluation - CD Dewatering Building																																	
CD81410	EPA Compliance Date for Procurement - CD Dewatering Building	0		01-Aug-19*	◆ EPA Compliance Date for Procurement - CD Dewatering Building																																	
CD86890	Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Dewatering Building	60	13-Jun-19 A	11-Aug-19	◆ Negotiation Memo submitted to the County Mayor/County Mayor's designee - CD Dewatering Building																																	
CD86900	Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)	40	12-Aug-19	20-Sep-19	◆ Negotiation Memo Received from the County Mayor/County Mayor's designee (WASD Director)																																	
CD86910	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Dewatering Building	60	21-Sep-19	19-Nov-19	◆ Negotiations Commence - Contract provided to Firm (1st meeting) - CD Dewatering Building																																	
CD86920	Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Dewatering Building	60	20-Nov-19	18-Jan-20	◆ Negotiations Concluded (2nd meeting) and preparation of final Contract - CD Dewatering Building																																	
CD86930	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	19-Jan-20	18-Mar-20	◆ Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures																																	
CD86940	Submit Contract Award Recommendation/Contract for internal approvals - CD Dewatering Building	40	19-Mar-20	27-Apr-20	◆ Submit Contract Award Recommendation/Contract for internal approvals - CD Dewatering Building																																	
CD86950	Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Dewatering Building	90	28-Apr-20	26-Jul-20	◆ Submit Item to Agenda Coordinator for committee & BCC Ratification - CD Dewatering Building																																	
CD10440	Procurement - CD Dewatering Building	679	29-Mar-16 A	16-Aug-20	◆ Procurement - CD Dewatering Building																																	
CD85970	Repackage and Rebid Project - CD Dewatering Building	739	09-Aug-18 A	16-Aug-20	◆ Repackage and Rebid Project - CD Dewatering Building																																	
CD86960	Issue NTP - CD Dewatering Building	21	27-Jul-20	16-Aug-20	◆ Issue NTP - CD Dewatering Building																																	
CD83090	EPA Start Date for Construction - CD Dewatering Building	0	02-Aug-19*		◆ EPA Start Date for Construction - CD Dewatering Building																																	
CD33650	Design-Builder NTP - CD Dewatering Building	0	17-Aug-20		◆ Design-Builder NTP - CD Dewatering Building																																	
CD32790	Final Engineering by Design-Builder - CD Dewatering Building	300	17-Aug-20	12-Jun-21	◆ Final Engineering by Design-Builder - CD Dewatering Building																																	
CD32800	AHJ Permit Review - CD Dewatering Building	180	13-Feb-21	11-Aug-21	◆ AHJ Permit Review - CD Dewatering Building																																	
CD84780	Design-Builder Contract Duration - CD Dewatering Building	876	17-Aug-20	09-Jan-23	◆ Design-Builder Contract Duration - CD Dewatering Building																																	
CD10670	Construction - CD Dewatering Building	696	13-Feb-21	09-Jan-23	◆ Construction - CD Dewatering Building																																	
CD86340	Commissioning - CD Dewatering Building	30	11-Dec-22	09-Jan-23	◆ Commissioning - CD Dewatering Building																																	
CD11080	Substantial Completion (CD Compliance Date 1/13/23) - CD Dewatering Building	0		09-Jan-23*	◆ Substantial Completion (CD Compliance Date 1/13/23) - CD Dewatering Building																																	
CD81420	EPA Compliance Date for Construction - CD Dewatering Building	0		13-Jan-23*	◆ EPA Compliance Date for Construction - CD Dewatering Building																																	
CD40180	Project Closeout - CD Dewatering Building	60	10-Jan-23	10-Mar-23*	◆ Project Closeout - CD Dewatering Building																																	
CD34130	WASD Project Administration - CD Dewatering Building	2086	30-Apr-15 A	10-Mar-23	◆ WASD Project Administration - CD Dewatering Building																																	
CD34130	WASD Project Administration - CD Dewatering Building	2086	30-Apr-15 A	10-Mar-23	◆ WASD Project Administration - CD Dewatering Building																																	
<b>2.17 Chlorination Facilities</b>					◆ 2.17 Chlorination Facilities																																	
<b>Engineering Design</b>					◆ 15-Jan-16 A, Engineering Design																																	
CD83100	EPA Start Date for Engineering Design - CD Chlorination Facilities**	0	01-Oct-13 A		◆ EPA Start Date for Engineering Design - CD Chlorination Facilities**																																	
CD81430	EPA Compliance Date for Engineering Design - CD Chlorination Facilities**	0		07-Sep-14 A	◆ EPA Compliance Date for Engineering Design - CD Chlorination Facilities**																																	
CD20410	Evaluation of Design Alternatives - CD Chlorination Facilities	344	01-Oct-13 A	09-Sep-14 A	◆ Evaluation of Design Alternatives - CD Chlorination Facilities																																	
CD20420	Basis of Design Report (BODR) - CD Chlorination Facilities	91	18-Feb-15 A	19-May-15 A	◆ Basis of Design Report (BODR) - CD Chlorination Facilities																																	
CD20430	BODR Review Period - CD Chlorination Facilities	16	28-May-15 A	12-Jun-15 A	◆ BODR Review Period - CD Chlorination Facilities																																	
CD20435	Negotiate Scope and Cost with MWH - CD Chlorination Facilities	88	23-Mar-15 A	18-Jun-15 A	◆ Negotiate Scope and Cost with MWH - CD Chlorination Facilities																																	
CD20440	60% Design Submittal - CD Chlorination Facilities	78	18-Jun-15 A	03-Sep-15 A	◆ 60% Design Submittal - CD Chlorination Facilities																																	
CD20450	60% Design Review - CD Chlorination Facilities	7	04-Sep-15 A	10-Sep-15 A	◆ 60% Design Review - CD Chlorination Facilities																																	
CD20480	100% Design Submittal - CD Chlorination Facilities	43	11-Sep-15 A	23-Oct-15 A	◆ 100% Design Submittal - CD Chlorination Facilities																																	
CD10060	Engineering Design - CD Chlorination Facilities	777	01-Oct-13 A	16-Nov-15 A	◆ Engineering Design - CD Chlorination Facilities																																	
CD40480	100% Design Review/Permit Ready Submittal - CD Chlorination Facilities	17	31-Oct-15 A	16-Nov-15 A	◆ 100% Design Review/Permit Ready Submittal - CD Chlorination Facilities																																	
CD32610	Develop Equipment Pre-Purchase RTU Packages - CD Chlorination Facilities	212	18-Jun-15 A	15-Jan-16 A	◆ Develop Equipment Pre-Purchase RTU Packages - CD Chlorination Facilities																																	
CD83110	EPA Start Date for Permitting - CD Chlorination Facilities	0	08-Sep-14 A		◆ EPA Start Date for Permitting - CD Chlorination Facilities																																	
CD10250	Permitting - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A	◆ Permitting - CD Chlorination Facilities																																	
CD80050	City of Miami Building Permit - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A	◆ City of Miami Building Permit - CD Chlorination Facilities																																	

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD81440	EPA Compliance Date for Permitting - CD Chlorination Facilities	0		30-Jul-16 A	◆ EPA Compliance Date for Permitting - CD Chlorination Facilities																			
<b>Procurement</b>					20-Jun-17 A, Procurement																			
CD32160	Design Documents Sent to Procurement - CD Chlorination Facilities	0	16-Nov-15 A	20-Jun-17 A	Design Documents Sent to Procurement - CD Chlorination Facilities																			
CD32170	Submit/Approve SBD Goals and Request to Advertise - CD Chlorination Facilities	42	16-Nov-15 A	27-Dec-15 A	Submit/Approve SBD Goals and Request to Advertise - CD Chlorination Facilities																			
CD32180	Advertise Bid Package - CD Chlorination Facilities	0	28-Dec-15 A		Advertise Bid Package - CD Chlorination Facilities																			
CD32190	Bid Solicitation Period - CD Chlorination Facilities	42	28-Dec-15 A	07-Feb-16 A	Bid Solicitation Period - CD Chlorination Facilities																			
CD32200	Bids Due - CD Chlorination Facilities	0	08-Feb-16 A		◆ Bids Due - CD Chlorination Facilities																			
CD83120	EPA Start Date for Procurement - CD Chlorination Facilities	0	08-Feb-16 A		◆ EPA Start Date for Procurement - CD Chlorination Facilities																			
CD32210	Bid Review Period - CD Chlorination Facilities	14	08-Feb-16 A	21-Feb-16 A	Bid Review Period - CD Chlorination Facilities																			
CD32220	Award Recommendation - CD Chlorination Facilities	0		22-Feb-16 A	◆ Award Recommendation - CD Chlorination Facilities																			
CD10260	Procurement - CD Chlorination Facilities	135	16-Nov-15 A	29-Mar-16 A	Procurement - CD Chlorination Facilities																			
CD32230	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities	37	22-Feb-16 A	29-Mar-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities																			
CD81450	EPA Compliance Date for Procurement - CD Chlorination Facilities	0		06-Sep-16 A	◆ EPA Compliance Date for Procurement - CD Chlorination Facilities																			
CD33070	Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities	250	16-Jan-16 A	21-Sep-16 A	Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities																			
CD33100	Vendor NTP (RTU) - CD Chlorination Facilities	0		21-Sep-16 A	◆ Vendor NTP (RTU) - CD Chlorination Facilities																			
CD32600	Owner Pre-Purchase RTU - CD Chlorination Facilities	522	16-Jan-16 A	20-Jun-17 A	Owner Pre-Purchase RTU - CD Chlorination Facilities																			
CD33110	Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities	273	21-Sep-16 A	20-Jun-17 A	Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities																			
<b>Construction</b>					30-Sep-19, Construction																			
CD10498	Contractor Notice to Proceed (NTP) - CD Chlorination Facilities	0	18-Apr-16 A		◆ Contractor Notice to Proceed (NTP) - CD Chlorination Facilities																			
CD83130	EPA Start Date for Construction - CD Chlorination Facilities	0	07-Sep-16 A		◆ EPA Start Date for Construction - CD Chlorination Facilities																			
CD10500	Construction - CD Chlorination Facilities	580	18-Apr-16 A	27-Jul-18 A	Construction - CD Chlorination Facilities																			
CD86350	Commissioning - CD Chlorination Facilities	30	26-Jun-18 A	27-Jul-18 A	Commissioning - CD Chlorination Facilities																			
CD10700	Substantial Completion (CD Compliance Date 10/15/18) - CD Chlorination Facilities	0		27-Jul-18 A	◆ Substantial Completion (CD Compliance Date 10/15/18) - CD Chlorination Facilities																			
CD81460	EPA Compliance Date for Construction - CD Chlorination Facilities	0		15-Oct-18 A	◆ EPA Compliance Date for Construction - CD Chlorination Facilities																			
CD40190	Project Closeout - CD Chlorination Facilities	15	11-Aug-18 A	30-Sep-19*	Project Closeout - CD Chlorination Facilities																			
<b>Project Administration</b>					30-Sep-19, Project Administration																			
CD34140	WASD Project Administration - CD Chlorination Facilities	1600	01-Oct-13 A	30-Sep-19	WASD Project Administration - CD Chlorination Facilities																			
<b>2.18 Odor Control Systems</b>					10-Mar-23, 2.18 Odor Control																			
<b>Engineering Design</b>					17-Jun-17 A, Engineering Design																			
CD10280	Engineering Design - CD Odor Control Systems	541	06-Oct-14 A	29-Mar-16 A	Engineering Design - CD Odor Control Systems																			
CD83140	EPA Start Date for Engineering Design - CD Odor Control Systems	0	01-Oct-16 A		◆ EPA Start Date for Engineering Design - CD Odor Control Systems																			
CD81470	EPA Compliance Date for Engineering Design - CD Odor Control Systems	0		17-Jun-17 A	◆ EPA Compliance Date for Engineering Design - CD Odor Control Systems																			
<b>Permitting</b>					17-Jun-18 A, Permitting																			
CD10410	Permitting (Summary) - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A	Permitting (Summary) - CD Odor Control Systems																			
CD83150	EPA Start Date for Permitting - CD Odor Control Systems	0	18-Jun-17 A		◆ EPA Start Date for Permitting - CD Odor Control Systems																			
CD81480	EPA Compliance Date for Permitting - CD Odor Control Systems	0		17-Jun-18 A	◆ EPA Compliance Date for Permitting - CD Odor Control Systems																			
<b>Procurement</b>					16-Aug-20, Procurement																			
CD83160	EPA Start Date for Procurement - CD Odor Control Systems	0	18-Jun-18 A		◆ EPA Start Date for Procurement - CD Odor Control Systems																			
CD81490	EPA Compliance Date for Procurement - CD Odor Control Systems - CD Odor Control Systems	0		17-Jun-19 A	◆ EPA Compliance Date for Procurement - CD Odor Control Systems - CD Odor Control Systems																			
CD10650	Procurement (Summary) - CD Odor Control Systems - CD Odor Control Systems	701	07-Mar-16 A	16-Aug-20	Procurement (Summary) - CD Odor Control Systems - CD Odor Control Systems																			
<b>Construction</b>					13-Jan-23, Construction																			
CD83170	EPA Start Date for Construction - CD Odor Control Systems	0	18-Jun-19 A		◆ EPA Start Date for Construction - CD Odor Control Systems																			
CD10890	Construction (Summary) - CD Odor Control Systems	1508	30-Aug-16 A	09-Jan-23	Construction (Summary) - CD Odor Control Systems																			
CD11070	Substantial Completion (CD Compliance Date 1/13/23) - CD Odor Control Systems	0		09-Jan-23*	◆ Substantial Completion (CD Compliance Date 1/13/23) - CD Odor Control Systems																			
CD81500	EPA Compliance Date for Construction - CD Odor Control Systems	0		13-Jan-23*	◆ EPA Compliance Date for Construction - CD Odor Control Systems																			
<b>Project Administration</b>					10-Mar-23, Project Administration																			
CD34150	WASD Project Administration - CD Odor Control Systems	2292	06-Oct-14 A	10-Mar-23	WASD Project Administration - CD Odor Control Systems																			
<b>2.18 (1) Headworks Odor Controls System (Project 2.03/2.04)</b>					20-Jul-19, 2.18 (1) Headworks Odor Controls System (Project 2.03/2.04)																			
<b>Engineering Design</b>					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																			
<b>Permitting</b>					05-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																			
<b>Procurement</b>					29-Aug-16 A, Procurement																			
CD32250	Procurement (Headworks) - CD Odor Control Systems	176	07-Mar-16 A	29-Aug-16 A	Procurement (Headworks) - CD Odor Control Systems																			
<b>Construction</b>					20-Jul-19, Construction																			
CD40430	Construction (Headworks) - CD Odor Control Systems	560	30-Aug-16 A	20-Jul-19*	Construction (Headworks) - CD Odor Control Systems																			
<b>Project Administration</b>					20-Jul-19, Project Administration																			
CD85200	WASD Project Administration - CD Odor Control Systems	621	06-Oct-14 A	20-Jul-19	WASD Project Administration - CD Odor Control Systems																			
<b>2.18 (2) Dewatering Odor Control System (Project 2.16)</b>					10-Mar-23, 2.18 (2) Dewatering																			
<b>Engineering Design</b>					29-Mar-16 A, Engineering Design																			
CD21290	Engineering Design (Dewatering) - CD Odor Control Systems	333	01-May-15 A	29-Mar-16 A	Engineering Design (Dewatering) - CD Odor Control Systems																			
<b>Procurement</b>					16-Aug-20, Procurement																			
CD32270	Procurement (Dewatering) - CD Odor Control Systems	679	29-Mar-16 A	16-Aug-20	Procurement (Dewatering) - CD Odor Control Systems																			
<b>Construction</b>					10-Mar-23, Construction																			
CD85980	Final Engineering by Design-Builder - CD Odor Control Systems	936	17-Aug-20	10-Mar-23	Final Engineering by Design-Builder - CD Odor Control Systems																			
CD85990	AHJ Permit Review - CD Odor Control Systems	300	17-Aug-20	12-Jun-21	AHJ Permit Review - CD Odor Control Systems																			
CD40440	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems	180	13-Feb-21	11-Aug-21	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems																			
CD86000	Construction - CD Odor Control Systems	876	17-Aug-20	09-Jan-23	Construction - CD Odor Control Systems																			
CD40200	Project Closeout - CD Odor Control Systems	696	13-Feb-21	09-Jan-23	Project Closeout - CD Odor Control Systems																			
CD40200	Project Closeout - CD Odor Control Systems	60	10-Jan-23	10-Mar-23*	Project Closeout - CD Odor Control Systems																			
<b>Project Administration</b>					10-Mar-23, Project Administration																			
CD85210	WASD Project Administration - CD Odor Control Systems	818	01-May-15 A	10-Mar-23	WASD Project Administration - CD Odor Control Systems																			
<b>2.19 Co-Gen Improvements</b>					28-May-20, 2.19 Co-Gen Improvements																			
<b>Engineering Design</b>					14-Nov-16 A, Engineering Design																			
CD85210	Engineering Design - CD Co-Gen Improvements	1453	22-Nov-12 A	14-Nov-16 A	Engineering Design - CD Co-Gen Improvements																			



Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023		2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
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	0		14-Nov-16 A	◆ EPA Compliance Date for Engineering Design - CD Co-Gen Improvements																															
<b>Permitting</b>					◆ 29-Sep-17 A, Permitting																															
CD83190	EPA Start Date for Permitting - CD Co-Gen Improvements	0	18-Aug-15 A		Start Date for Permitting - CD Co-Gen Improvements																															
CD10470	Permitting - CD Co-Gen Improvements	1607	12-Mar-13 A	04-Aug-17 A	Permitting - CD Co-Gen Improvements																															
CD81520	EPA Compliance Date for Permitting - CD Co-Gen Improvements	0		29-Sep-17 A	◆ EPA Compliance Date for Permitting - CD Co-Gen Improvements																															
<b>Procurement</b>					◆ 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	12-Mar-14 A	29-Nov-18 A	Procurement - CD Co-Gen Improvements																															
<b>Construction</b>					◆ 21-May-20, Construction																															
CD83210	EPA Start Date for Construction - CD Co-Gen Improvements	0	31-Aug-17 A		◆ EPA Start Date for Construction - CD Co-Gen Improvements																															
CD10680	Construction - CD Co-Gen Improvements	1746	30-Jul-14 A	10-Apr-20	Construction - CD Co-Gen Improvements																															
CD11030	Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Improvements	0		10-Apr-20*	◆ Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Improvements																															
CD81540	EPA Compliance Date for Construction - CD Co-Gen Improvements	0		21-May-20*	◆ EPA Compliance Date for Construction - CD Co-Gen Improvements																															
<b>2.19 (1) Co-Gen Generator Replacement</b>					◆ 27-Jan-16 A, 2.19 (1) Co-Gen Generator Replacement																															
<b>Engineering Design</b>					◆ 10-Mar-14 A, Engineering Design																															
CD12001	Engineering Design - CD Co-Gen Generator Replacement	474	22-Nov-12 A	10-Mar-14 A	Engineering Design - CD Co-Gen Generator Replacement																															
<b>Permitting</b>					◆ 11-Mar-14 A, Permitting																															
CD12011	Permitting - CD Co-Gen Generator Replacement	365	12-Mar-13 A	11-Mar-14 A	Permitting - CD Co-Gen Generator Replacement																															
<b>Procurement</b>					◆ 30-Jul-14 A, Procurement																															
CD12021	Procurement - CD Co-Gen Generator Replacement	140	12-Mar-14 A	30-Jul-14 A	Procurement - CD Co-Gen Generator Replacement																															
<b>Construction</b>					◆ 27-Jan-16 A, Construction																															
CD12031	Construction - CD Co-Gen Generator Replacement	546	30-Jul-14 A	27-Jan-16 A	Construction - CD Co-Gen Generator Replacement																															
CD12041	2.19 (1) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Generator Replacement	0		27-Jan-16 A	◆ 2.19 (1) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Generator Replacement																															
<b>Project Administration</b>					◆ 27-Jan-16 A, Project Administration																															
CD34160	WASD Project Administration - CD Co-Gen Generator Replacement	1161	22-Nov-12 A	27-Jan-16 A	WASD Project Administration - CD Co-Gen Generator Replacement																															
<b>2.19 (2)a Co-Gen Biogas Treatment Facilities</b>					◆ 28-May-20, 2.19 (2)a Co-Gen Biogas Treatment Facilities																															
<b>Pre-Design</b>					◆ 11-Dec-15 A, Pre-Design																															
CD12231	Pre-Design - CD Co-Gen Biogas Treatment Facilities	357	19-Dec-14 A	11-Dec-15 A	Pre-Design - CD Co-Gen Biogas Treatment Facilities																															
CD30320	Negotiate Final Design - CD Co-Gen Biogas Treatment Facilities	167	19-Dec-14 A	03-Jun-15 A	CD Co-Gen Biogas Treatment Facilities																															
<b>Engineering Design</b>					◆ 02-Sep-16 A, Engineering Design																															
CD21650	Alternatives Analysis Report - CD Co-Gen Biogas Treatment Facilities	78	25-Sep-15 A	11-Dec-15 A	Alternatives Analysis Report - CD Co-Gen Biogas Treatment Facilities																															
CD33680	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities	456	04-Jun-15 A	02-Sep-16 A	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities																															
CD21660	BODR Review Period - CD Co-Gen Biogas Treatment Facilities	70	17-Dec-15 A	24-Feb-16 A	BODR Review Period - CD Co-Gen Biogas Treatment Facilities																															
CD21690	60% Design Submittal - CD Co-Gen Biogas Treatment Facilities	7	25-Feb-16 A	02-Mar-16 A	60% Design Submittal - CD Co-Gen Biogas Treatment Facilities																															
CD21700	60% Design Review - CD Co-Gen Biogas Treatment Facilities	47	14-Mar-16 A	29-Apr-16 A	60% Design Review - CD Co-Gen Biogas Treatment Facilities																															
CD21710	100% Design Submittal - CD Co-Gen Biogas Treatment Facilities	7	30-Apr-16 A	06-May-16 A	100% Design Submittal - CD Co-Gen Biogas Treatment Facilities																															
CD12101	Engineering Design - CD Co-Gen Biogas Treatment Facilities	102	07-May-16 A	16-Aug-16 A	Engineering Design - CD Co-Gen Biogas Treatment Facilities																															
CD40490	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities	457	04-Jun-15 A	02-Sep-16 A	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities																															
<b>Permitting</b>					◆ 22-Jun-17 A, Permitting																															
CD80250	FDEP Permit - CD Co-Gen Biogas Treatment Facilities	17	17-Aug-16 A	02-Sep-16 A	FDEP Permit - CD Co-Gen Biogas Treatment Facilities																															
CD71060	DERM Permit - CD Co-Gen Biogas Treatment Facilities	408	10-May-16 A	22-Jun-17 A	DERM Permit - CD Co-Gen Biogas Treatment Facilities																															
CD83520	ERP Permit - CD Co-Gen Biogas Treatment Facilities	44	10-May-16 A	22-Jun-16 A	ERP Permit - CD Co-Gen Biogas Treatment Facilities																															
CD83510	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities	10	06-Sep-16 A	15-Sep-16 A	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities																															
CD12111	Permitting - CD Co-Gen Biogas Treatment Facilities	68	08-Sep-16 A	14-Nov-16 A	Permitting - CD Co-Gen Biogas Treatment Facilities																															
CD82320	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities	56	18-Oct-16 A	12-Dec-16 A	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities																															
<b>Procurement</b>					◆ 06-Jul-17 A, Procurement																															
CD30690	Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities	409	10-May-16 A	22-Jun-17 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	270	26-Sep-16 A	22-Jun-17 A	Submit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities																															
CD30710	Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities	293	16-Sep-16 A	06-Jul-17 A	Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities																															
CD30720	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities	62	16-Sep-16 A	16-Nov-16 A	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities																															
CD30730	Bids Due - CD Co-Gen Biogas Treatment Facilities	0	17-Nov-16 A	15-Feb-17 A	Bids Due - CD Co-Gen Biogas Treatment Facilities																															
CD30740	Bid Review Period - CD Co-Gen Biogas Treatment Facilities	91	17-Nov-16 A	15-Feb-17 A	Bid Review Period - CD Co-Gen Biogas Treatment Facilities																															
CD30750	Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0	16-Feb-17 A	06-Mar-17 A	Award Recommendation - CD Co-Gen Biogas Treatment Facilities																															
CD84830	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities	19	16-Feb-17 A	06-Mar-17 A	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities																															
CD12121	Procurement - CD Co-Gen Biogas Treatment Facilities	0		06-Mar-17 A	Procurement - CD Co-Gen Biogas Treatment Facilities																															
CD30760	Final Approvals - CD Co-Gen Biogas Treatment Facilities	294	16-Sep-16 A	06-Jul-17 A	Final Approvals - CD Co-Gen Biogas Treatment Facilities																															
<b>Construction</b>					◆ 28-May-20, Construction																															
CD12130	Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities	1044	20-Jul-17 A	28-May-20	Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities																															
CD83530	Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities	0	20-Jul-17 A	26-Mar-19 A	Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities																															
CD12131	Construction - CD Co-Gen Biogas Treatment Facilities	660	20-Jul-17 A	30-Sep-19	Construction - CD Co-Gen Biogas Treatment Facilities																															
CD86360	Commissioning - CD Co-Gen Biogas Treatment Facilities	55	26-May-19 A	28-Feb-20	Commissioning - CD Co-Gen Biogas Treatment Facilities																															
CD12141	2.19 (2a) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities	0		28-Feb-20*	◆ 2.19 (2a) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities																															
CD40210	Project Closeout - CD Co-Gen Biogas Treatment Facilities	90	29-Feb-20	28-May-20*	Project Closeout - CD Co-Gen Biogas Treatment Facilities																															
<b>Project Administration</b>					◆ 28-May-20, Project Administration																															
CD34170	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities	1527	04-Jun-15 A	28-May-20	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities																															
<b>2.19 (2)b Co-Gen Restroom and Building Rehab</b>					◆ 10-May-20, 2.19 (2)b Co-Gen Restroom and Building Rehab																															
<b>Engineering Design</b>					◆ 31-Oct-16 A, Engineering Design																															
CD70980	Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab	1488	14-Apr-16 A	10-May-20	Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab																															
CD70990	BODR Review Period - CD Co-Gen Restroom and Building Rehab	200	14-Apr-16 A	31-Oct-16 A	BODR Review Period - CD Co-Gen Restroom and Building Rehab																															
CD71040	Final BODR - CD Co-Gen Restroom and Building Rehab	14	12-May-16 A	25-May-16 A	Final BODR - CD Co-Gen Restroom and Building Rehab																															



Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CD84670	Procurement of Screens for Rehab by WASD - CD Pump Station No. 1	42	23-Dec-15 A	02-Feb-16 A	Procurement of Screens for Rehab by WASD - CD Pump Station No. 1																																	
CD84240	GMOU submittal and approval - CD Pump Station No. 1	22	17-May-17 A	07-Jun-17 A	GMOU submittal and approval - CD Pump Station No. 1																																	
CD84110	Internal Bid Package Review - CD Pump Station No. 1	33	27-Sep-17 A	07-Dec-17 A	Internal Bid Package Review - CD Pump Station No. 1																																	
CD32320	Design Documents Sent to Procurement - CD Pump Station No. 1	0	08-Dec-17 A		Design Documents Sent to Procurement - CD Pump Station No. 1																																	
CD32330	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 1	15	08-Dec-17 A	15-Dec-17 A	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 1																																	
CD84690	OCI Reviews and Provides List - CD Pump Station No. 1	5	23-Dec-17 A	10-Jan-18 A	OCI Reviews and Provides List - CD Pump Station No. 1																																	
CD32340	Advertise Bid Package - CD Pump Station No. 1	0	11-Jan-18 A		Advertise Bid Package - CD Pump Station No. 1																																	
CD83280	EPA Start Date for Procurement - CD Pump Station No. 1	0	06-Feb-18 A		EPA Start Date for Procurement - CD Pump Station No. 1																																	
CD32350	Bid Solicitation Period - CD Pump Station No. 1	46	11-Jan-18 A	08-Mar-18 A	Bid Solicitation Period - CD Pump Station No. 1																																	
CD32360	Bids Due - CD Pump Station No. 1	0	09-Mar-18 A		Bids Due - CD Pump Station No. 1																																	
CD32370	Bid Review Period - CD Pump Station No. 1	31	09-Mar-18 A	06-Apr-18 A	Bid Review Period - CD Pump Station No. 1																																	
CD32380	Award Recommendation - CD Pump Station No. 1	0		06-Apr-18 A	Award Recommendation - CD Pump Station No. 1																																	
CD11020	Procurement - CD Pump Station No. 1	862	08-Dec-17 A	10-Jun-18 A	Procurement - CD Pump Station No. 1																																	
CD32390	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 1	60	07-Apr-18 A	10-Jun-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 1																																	
CD81940	EPA Compliance Date for Procurement - CD Pump Station No. 1	0		05-Feb-19 A	EPA Compliance Date for Procurement - CD Pump Station No. 1																																	
<b>Construction</b>					1634																																	
CD84680	Screen Rehab by WASD - CD Pump Station No. 1	147	07-Sep-16 A	31-Jan-17 A	Screen Rehab by WASD - CD Pump Station No. 1																																	
CD11148	Contractor Notice to Proceed (NTP) - CD Pump Station No. 1	0	11-Jun-18 A		Contractor Notice to Proceed (NTP) - CD Pump Station No. 1																																	
CD83290	EPA Start Date for Construction - CD Pump Station No. 1	0	06-Feb-19 A		EPA Start Date for Construction - CD Pump Station No. 1																																	
CD11150	Construction - CD Pump Station No. 1	451	07-Sep-16 A	15-Nov-19	Construction - CD Pump Station No. 1																																	
CD84790	Construction of PS #1 - CD Pump Station No. 1	410	11-Jun-18 A	15-Nov-19	Construction of PS #1 - CD Pump Station No. 1																																	
CD86380	Commissioning - CD Pump Station No. 1	60	17-Sep-19	15-Nov-19	Commissioning - CD Pump Station No. 1																																	
CD11210	Substantial Completion (CD Compliance Date 2/26/21) - CD Pump Station No. 1	0		15-Nov-19*	Substantial Completion (CD Compliance Date 2/26/21) - CD Pump Station No. 1																																	
CD40220	Project Closeout - CD Pump Station No. 1	30	16-Nov-19	15-Dec-19*	Project Closeout - CD Pump Station No. 1																																	
CD81950	EPA Compliance Date for Construction - CD Pump Station No. 1	0		26-Feb-21*	EPA Compliance Date for Construction - CD Pump Station No. 1																																	
<b>Project Administration</b>					1466																																	
CD34180	WASD Project Administration - CD Pump Station No. 1	1466	13-Aug-15 A	15-Dec-19	WASD Project Administration - CD Pump Station No. 1																																	
<b>2.22 Pump Station No.2</b>					1922																																	
<b>Pre-Design</b>					197																																	
CD12261	Pre-Design - CD Pump Station No. 2	198	30-Sep-14 A	13-Apr-15 A	Pre-Design - CD Pump Station No. 2																																	
<b>Engineering Design</b>					560																																	
CD83300	EPA Start Date for Engineering Design - CD Pump Station No. 2**	0	01-Oct-14 A		EPA Start Date for Engineering Design - CD Pump Station No. 2**																																	
CD81590	EPA Compliance Date for Engineering Design - CD Pump Station No. 2**	0		05-Feb-15 A	EPA Compliance Date for Engineering Design - CD Pump Station No. 2**																																	
CD20490	Basis of Design Report (BODR) - CD Pump Station No. 2	111	13-Apr-15 A	04-Aug-15 A	Basis of Design Report (BODR) - CD Pump Station No. 2																																	
CD20500	BODR Review Period - CD Pump Station No. 2	17	05-Aug-15 A	21-Aug-15 A	BODR Review Period - CD Pump Station No. 2																																	
CD30310	Negotiation of Final Design - CD Pump Station No. 2	122	21-Jul-15 A	19-Nov-15 A	Negotiation of Final Design - CD Pump Station No. 2																																	
CD20530	60% Design Submittal - CD Pump Station No. 2	70	19-Nov-15 A	27-Jan-16 A	60% Design Submittal - CD Pump Station No. 2																																	
CD20540	60% Design Review - CD Pump Station No. 2	7	28-Jan-16 A	03-Feb-16 A	60% Design Review - CD Pump Station No. 2																																	
CD20550	100% Design Submittal - CD Pump Station No. 2	35	04-Feb-16 A	09-Mar-16 A	100% Design Submittal - CD Pump Station No. 2																																	
CD40530	Develop Pre-Purchase Bid Packages (Odor Control, Valve, Flowmeter) - CD Pump Station No. 2	66	31-Jan-16 A	05-Apr-16 A	Develop Pre-Purchase Bid Packages (Odor Control, Valve, Flowmeter) - CD Pump Station No. 2																																	
CD10270	Engineering Design - CD Pump Station No. 2	365	13-Apr-15 A	13-Apr-16 A	Engineering Design - CD Pump Station No. 2																																	
CD40510	100% Design Review/Permit Ready Submittal - CD Pump Station No. 2	35	10-Mar-16 A	13-Apr-16 A	100% Design Review/Permit Ready Submittal - CD Pump Station No. 2																																	
<b>Permitting</b>					678																																	
CD83310	EPA Start Date for Permitting - CD Pump Station No. 2	0	06-Feb-15 A		EPA Start Date for Permitting - CD Pump Station No. 2																																	
CD80130	Miami 21 Zoning Permit - CD Pump Station No. 2	54	18-Apr-16 A	10-Jun-16 A	Miami 21 Zoning Permit - CD Pump Station No. 2																																	
CD82120	DERM Permit - CD Pump Station No. 2	70	13-Apr-16 A	21-Jun-16 A	DERM Permit - CD Pump Station No. 2																																	
CD82130	FDOT Permit - CD Pump Station No. 2	11	23-Sep-16 A	03-Oct-16 A	FDOT Permit - CD Pump Station No. 2																																	
CD10350	Permitting - CD Pump Station No. 2	234	13-Apr-16 A	02-Dec-16 A	Permitting - CD Pump Station No. 2																																	
CD80060	City of Miami Permit - CD Pump Station No. 2	159	27-Jun-16 A	02-Dec-16 A	City of Miami Permit - CD Pump Station No. 2																																	
CD81600	EPA Compliance Date for Permitting - CD Pump Station No. 2	0		15-Dec-16 A	EPA Compliance Date for Permitting - CD Pump Station No. 2																																	
<b>Procurement</b>					355																																	
CD40550	Advertise Pre-Purchase Package (Plug Valve) - CD Pump Station No. 2	0	06-Apr-16 A		Advertise Pre-Purchase Package (Plug Valve) - CD Pump Station No. 2																																	
CD40560	Advertise Pre-Purchase Package (Flow Meter) - CD Pump Station No. 2	0	06-Apr-16 A		Advertise Pre-Purchase Package (Flow Meter) - CD Pump Station No. 2																																	
CD40580	Vendor Bid & Award (Plug Valve) - CD Pump Station No. 2	13	06-Apr-16 A	18-Apr-16 A	Vendor Bid & Award (Plug Valve) - CD Pump Station No. 2																																	
CD40610	Vendor NTP (Plug Valve) - CD Pump Station No. 2	0	18-Apr-16 A		Vendor NTP (Plug Valve) - CD Pump Station No. 2																																	
CD40590	Vendor Bid & Award (Flow Meter) - CD Pump Station No. 2	17	06-Apr-16 A	22-Apr-16 A	Vendor Bid & Award (Flow Meter) - CD Pump Station No. 2																																	
CD40620	Vendor NTP (Flow Meter) - CD Pump Station No. 2	0	22-Apr-16 A		Vendor NTP (Flow Meter) - CD Pump Station No. 2																																	
CD40540	Advertise Pre-Purchase Package (Odor Control) - CD Pump Station No. 2	0	17-Jun-16 A		Advertise Pre-Purchase Package (Odor Control) - CD Pump Station No. 2																																	
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 Procurement - CD Pump Station No. 2																																	
CD83320	EPA Start Date for Procurement - CD Pump Station No. 2	0	29-Jul-16 A		EPA Start Date for Procurement - CD Pump Station No. 2																																	
CD40570	Vendor Bid & Award (Odor Control) - CD Pump Station No. 2	54	17-Jun-16 A	09-Aug-16 A	Vendor Bid & Award (Odor Control) - CD Pump Station No. 2																																	
CD40600	Vendor NTP (Odor Control) - CD Pump Station No. 2	0	10-Aug-16 A		Vendor NTP (Odor Control) - CD Pump Station No. 2																																	
CD30800	Advertise Bid Package - CD Pump Station No. 2	0	29-Aug-16 A		Advertise Bid Package - CD Pump Station No. 2																																	
CD30790	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 Goals and Request to Advertise - CD Pump Station No. 2																																	
CD30810	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																																	
CD30820	Bids Due - CD Pump Station No. 2	0	17-Oct-16 A		Bids Due - CD Pump Station No. 2																																	
CD40640	Fabricate & Deliver Plug Valve - CD Pump Station No. 2	226	18-Apr-16 A	29-Nov-16 A	Fabricate & Deliver Plug Valve - CD Pump Station No. 2																																	
CD30830	Bid Review Period - CD Pump Station No. 2	66	17-Oct-16 A	21-Dec-16 A	Bid Review Period - CD Pump Station No. 2																																	
CD30840	Award Recommendation - CD Pump Station No. 2	0		21-Dec-16 A	Award Recommendation - CD Pump Station No. 2																																	
CD10580	Procurement - CD Pump Station No. 2	193	15-Jul-16 A	23-Jan-17 A	Procurement - CD Pump Station No. 2																																	
CD30850	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 2	33	22-Dec-16 A	23-Jan-17 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 2																																	
CD81610	EPA Compliance Date for Procurement - CD Pump Station No. 2	0		04-Feb-17 A	EPA Compliance Date for Procurement - CD Pump Station No. 2																																	

Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2				
CD40630	Fabricate & Deliver Odor Control System - CD Pump Station No. 2	230	10-Aug-16 A	27-Mar-17 A	Fabricate & Deliver Odor Control System - CD Pump Station No. 2																																	
Construction					03-Jan-20, Construction																																	
CD10818	Contractor Notice to Proceed (NTP) - CD Pump Station No. 2	0	24-Jan-17 A		◆ Contractor Notice to Proceed (NTP) - CD Pump Station No. 2																																	
CD83330	EPA Start Date for Construction - CD Pump Station No. 2	0	05-Feb-17 A		◆ EPA Start Date for Construction - CD Pump Station No. 2																																	
CD81620	EPA Compliance Date for Construction - CD Pump Station No. 2	0		25-May-19 A	◆ EPA Compliance Date for Construction - CD Pump Station No. 2																																	
CD10820	Construction - CD Pump Station No. 2	261	24-Jan-17 A	24-Nov-19	Construction - CD Pump Station No. 2																																	
CD86390	Commissioning - CD Pump Station No. 2	30	26-Oct-19	24-Nov-19	■ Commissioning - CD Pump Station No. 2																																	
CD10970	Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2	0		24-Nov-19*	◆ Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2																																	
CD40230	Project Closeout - CD Pump Station No. 2	40	25-Nov-19	03-Jan-20*	■ Project Closeout - CD Pump Station No. 2																																	
Project Administration					03-Jan-20, Project Administration																																	
CD34190	WASD Project Administration - CD Pump Station No. 2	1000	13-Apr-15 A	03-Jan-20	WASD Project Administration - CD Pump Station No. 2																																	
2.23 O2 Plant Process Controls Phase 2					09-Mar-17 A, 2.23 O2 Plant Process Controls Phase 2																																	
Engineering Design					01-Oct-13 A, 02-Feb-14 A																																	
CD83340	EPA Start Date for Engineering Design - CD O2 Plant Process Controls Phase 2	0	01-Oct-13 A		◆ EPA Start Date for Engineering Design - CD O2 Plant Process Controls Phase 2																																	
CD10010	Engineering Design - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	Engineering Design - CD O2 Plant Process Controls Phase 2																																	
CD81630	EPA Compliance Date for Engineering Design - CD O2 Plant Process Controls Phase 2	0		02-Feb-14 A	◆ EPA Compliance Date for Engineering Design - CD O2 Plant Process Controls Phase 2																																	
Permitting					01-Oct-13 A, 02-Feb-15 A																																	
CD10090	Permitting - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	Permitting - CD O2 Plant Process Controls Phase 2																																	
CD83350	EPA Start Date for Permitting - CD O2 Plant Process Controls Phase 2	0	03-Feb-14 A		◆ EPA Start Date for Permitting - CD O2 Plant Process Controls Phase 2																																	
CD81640	EPA Compliance Date for Permitting - CD O2 Plant Process Controls Phase 2	0		02-Feb-15 A	◆ EPA Compliance Date for Permitting - CD O2 Plant Process Controls Phase 2																																	
Procurement					03-Jun-14 A, 02-Feb-16 A																																	
CD83360	EPA Start Date for Procurement - CD O2 Plant Process Controls Phase 2	0	03-Feb-15 A		◆ EPA Start Date for Procurement - CD O2 Plant Process Controls Phase 2																																	
CD10340	Procurement - CD O2 Plant Process Controls Phase 2	315	03-Jun-14 A	13-Apr-15 A	Procurement - CD O2 Plant Process Controls Phase 2																																	
CD81650	EPA Compliance Date for Procurement - CD O2 Plant Process Controls Phase 2	0		02-Feb-16 A	◆ EPA Compliance Date for Procurement - CD O2 Plant Process Controls Phase 2																																	
Construction					20-Apr-15 A, 09-Mar-17 A																																	
CD83370	EPA Start Date for Construction - CD O2 Plant Process Controls Phase 2	0	03-Feb-16 A		◆ EPA Start Date for Construction - CD O2 Plant Process Controls Phase 2																																	
CD10570	Construction - CD O2 Plant Process Controls Phase 2	372	20-Apr-15 A	25-Apr-16 A	Construction - CD O2 Plant Process Controls Phase 2																																	
CD10850	Substantial Completion (CD Compliance Date 3/09/17) - CD O2 Plant Process Controls Phase 2	0		25-Apr-16 A	◆ Substantial Completion (CD Compliance Date 3/09/17) - CD O2 Plant Process Controls Phase 2																																	
CD40240	Project Closeout - CD O2 Plant Process Controls Phase 2	172	26-Apr-16 A	14-Oct-16 A	■ Project Closeout - CD O2 Plant Process Controls Phase 2																																	
CD81660	EPA Compliance Date for Construction - CD O2 Plant Process Controls Phase 2	0		09-Mar-17 A	◆ EPA Compliance Date for Construction - CD O2 Plant Process Controls Phase 2																																	
Project Administration					14-Oct-16 A, Project Administration																																	
CD34200	WASD Project Administration - CD O2 Plant Process Controls Phase 2	1109	01-Oct-13 A	14-Oct-16 A	WASD Project Administration - CD O2 Plant Process Controls Phase 2																																	
2.24 Gas Monitoring and Alarms					19-Dec-14 A, 21-Mar-18 A, 2.24 Gas Monitoring and Alarms																																	
Pre-Design					19-Dec-14 A, 13-Apr-15 A																																	
CD12271	Pre-Design - CD Gas Monitoring and Alarms	115	19-Dec-14 A	13-Apr-15 A	Pre-Design - CD Gas Monitoring and Alarms																																	
Engineering Design					01-Jan-15 A, 11-Aug-15 A																																	
CD83380	EPA Start Date for Engineering Design - CD Gas Monitoring and Alarms**	0	01-Jan-15 A		◆ EPA Start Date for Engineering Design - CD Gas Monitoring and Alarms**																																	
CD81680	EPA Compliance Date for Engineering Design - CD Gas Monitoring and Alarms**	0		04-Mar-15 A	◆ EPA Compliance Date for Engineering Design - CD Gas Monitoring and Alarms**																																	
CD10310	Engineering Design - CD Gas Monitoring and Alarms	121	13-Apr-15 A	11-Aug-15 A	Engineering Design - CD Gas Monitoring and Alarms																																	
Construction					12-Oct-16 A, 21-Mar-18 A																																	
CD31030	Contractor Notice to Proceed (NTP) - CD Gas Monitoring and Alarms	0	12-Oct-16 A		◆ Contractor Notice to Proceed (NTP) - CD Gas Monitoring and Alarms																																	
CD83410	EPA Start Date for Construction - CD Gas Monitoring and Alarms	0	05-Mar-17 A		◆ EPA Start Date for Construction - CD Gas Monitoring and Alarms																																	
CD81710	EPA Compliance Date for Construction - CD Gas Monitoring and Alarms**	0		19-Sep-17 A	◆ EPA Compliance Date for Construction - CD Gas Monitoring and Alarms**																																	
CD10840	Construction - CD Gas Monitoring and Alarms	353	12-Oct-16 A	29-Sep-17 A	Construction - CD Gas Monitoring and Alarms																																	
CD10930	Substantial Completion (CD Compliance Date 9/19/17) - CD Gas Monitoring and Alarms	0		29-Sep-17 A	◆ Substantial Completion (CD Compliance Date 9/19/17) - CD Gas Monitoring and Alarms																																	
CD40250	Project Closeout - CD Gas Monitoring and Alarms	60	30-Sep-17 A	21-Mar-18 A	■ Project Closeout - CD Gas Monitoring and Alarms																																	
Project Administration					21-Mar-18 A, Project Administration																																	
CD34210	WASD Project Administration - CD Gas Monitoring and Alarms	961	13-Apr-15 A	21-Mar-18 A	WASD Project Administration - CD Gas Monitoring and Alarms																																	
2.25 Ventilation Improvements					11-Jun-14 A, 27-Feb-25																																	
Engineering Design					11-Jun-14 A, 07-Jul-21																																	
CD11320	Engineering Design - CD Ventilation Improvements	2584	11-Jun-14 A	07-Jul-21	Engineering Design - CD Ventilation Improvements																																	
CD83420	EPA Start Date for Engineering Design - CD Ventilation Improvements	0	01-Jan-21*		◆ EPA Start Date for Engineering Design - CD Ventilation Improvements																																	
CD81720	EPA Compliance Date for Engineering Design - CD Ventilation Improvements	0		07-Jul-21*	◆ EPA Compliance Date for Engineering Design - CD Ventilation Improvements																																	
Permitting					30-Sep-15 A, 07-Jul-22																																	
CD11360	Permitting - CD Ventilation Improvements	2473	30-Sep-15 A	07-Jul-22	Permitting - CD Ventilation Improvements																																	
CD83430	EPA Start Date for Permitting - CD Ventilation Improvements	0	08-Jul-21*		◆ EPA Start Date for Permitting - CD Ventilation Improvements																																	
CD81730	EPA Compliance Date for Permitting - CD Ventilation Improvements	0		07-Jul-22*	◆ EPA Compliance Date for Permitting - CD Ventilation Improvements																																	
Procurement					07-Mar-16 A, 07-Jul-23																																	
CD11480	Procurement - CD Ventilation Improvements	2640	07-Mar-16 A	07-Jul-23	Procurement - CD Ventilation Improvements																																	
CD83440	EPA Start Date for Procurement - CD Ventilation Improvements	1963	07-Mar-16 A	10-Jun-18 A	◆ EPA Start Date for Procurement - CD Ventilation Improvements																																	
CD81740	EPA Compliance Date for Procurement - CD Ventilation Improvements	0	08-Jul-22*		◆ EPA Compliance Date for Procurement - CD Ventilation Improvements																																	
Construction					30-Aug-16 A, 27-Feb-25																																	
CD11560	Construction - CD Ventilation Improvements	3041	30-Aug-16 A	13-Jan-20	Construction - CD Ventilation Improvements																																	
CD11650	Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements	2365	30-Aug-16 A	13-Jan-20	◆ Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements																																	
CD83450	EPA Start Date for Construction - CD Ventilation Improvements	0	08-Jul-23*		◆ EPA Start Date for Construction - CD Ventilation Improvements																																	
CD81750	EPA Compliance Date for Construction - CD Ventilation Improvements	0		27-Feb-25*	◆ EPA Compliance Date for Construction - CD Ventilation Improvements																																	
Project Administration					13-Jan-20, Project Administration																																	
CD34220	WASD Project Administration - CD Ventilation Improvements	3328	11-Jun-14 A	13-Jan-20	WASD Project Administration - CD Ventilation Improvements																																	
2.25 (1) HVAC Improvements for Air Scrubber Building					20-Feb-19 A, 2.25 (1) HVAC Improvements for Air Scrubber Building																																	
Pre-Design					20-Feb-19 A, 20-Feb-19 A																																	
CD12281	Child Project Cancelled (WASD h House HVAC Improvements)	0	20-Feb-19 A	20-Feb-19 A	◆ Child Project Cancelled (WASD h House HVAC Improvements)																																	
2.25 (2) Headworks HVAC Improvements (Project 2.03/2.04)					20-Jul-19, 2.25 (2) Headworks HVAC Improvements (Project 2.03/2.04)																																	
Engineering Design					28-Jan-16 A, Engineering Design																																	

Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD70660	Engineering Design - Headworks HVAC Improvements (Project 2.03/2.04)	480	06-Oct-14 A	28-Jan-16 A	Engineering Design - Headworks HVAC Improvements (Project 2.03/2.04)																																			
Permitting		189	29-Jan-16 A	05-Aug-16 A	05-Aug-16 A, Permitting																																			
CD70670	Permitting - Headworks HVAC Improvements (Project 2.03/2.04)	190	29-Jan-16 A	05-Aug-16 A	Permitting - Headworks HVAC Improvements (Project 2.03/2.04)																																			
Procurement		175	07-Mar-16 A	29-Aug-16 A	29-Aug-16 A, Procurement																																			
CD70680	Procurement - Headworks HVAC Improvements (Project 2.03/2.04)	176	07-Mar-16 A	29-Aug-16 A	Procurement - Headworks HVAC Improvements (Project 2.03/2.04)																																			
Construction		560	30-Aug-16 A	20-Jul-19	20-Jul-19, Construction																																			
CD70690	Construction - Headworks HVAC Improvements (Project 2.03/2.04)	560	30-Aug-16 A	20-Jul-19	Construction - Headworks HVAC Improvements (Project 2.03/2.04)																																			
Project Administration		1254	06-Oct-14 A	20-Jul-19	20-Jul-19, Project Administration																																			
CD85240	WASD Project Administration - Headworks HVAC Improvements (Project 2.03/2.04)	1254	06-Oct-14 A	20-Jul-19	WASD Project Administration - Headworks HVAC Improvements (Project 2.03/2.04)																																			
<b>2.25 (3) Digester Control Building HVAC Improvements (Project 2.15(1))</b>		1413	11-Jun-14 A	13-Jan-20	<b>13-Jan-20, 2.25 (3) Digester Control Building HVAC Improvements (Project 2.15(1))</b>																																			
Engineering Design		475	11-Jun-14 A	29-Sep-15 A	11-Jun-14 A, Engineering Design																																			
CD70620	Engineering Design - Digester Control Building HVAC Improvements (Project 2.15(1))	476	11-Jun-14 A	29-Sep-15 A	Engineering Design - Digester Control Building HVAC Improvements (Project 2.15(1))																																			
Permitting		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	30-Sep-15 A	24-Aug-16 A	Permitting - Digester Control Building HVAC Improvements (Project 2.15(1))																																			
Procurement		198	15-Apr-16 A	30-Oct-16 A	30-Oct-16 A, Procurement																																			
CD70640	Procurement - Digester Control Building HVAC Improvements (Project 2.15(1))	199	15-Apr-16 A	30-Oct-16 A	Procurement - Digester Control Building HVAC Improvements (Project 2.15(1))																																			
Construction		540	31-Oct-16 A	13-Jan-20	13-Jan-20, Construction																																			
CD70650	Construction - Digester Control Building HVAC Improvements (Project 2.15(1))	540	31-Oct-16 A	13-Jan-20	Construction - Digester Control Building HVAC Improvements (Project 2.15(1))																																			
Project Administration		1413	11-Jun-14 A	13-Jan-20	13-Jan-20, Project Administration																																			
CD85250	WASD Project Administration - Digester Control Building HVAC Improvements (Project 2.15(1))	1413	11-Jun-14 A	13-Jan-20	WASD Project Administration - Digester Control Building HVAC Improvements (Project 2.15(1))																																			
<b>2.25 (4) Pump Station 1 HVAC Improvements (Project 2.21)</b>		1070	15-Oct-16 A	15-Nov-19	<b>15-Nov-19, 2.25 (4) Pump Station 1 HVAC Improvements (Project 2.21)</b>																																			
Engineering Design		208	15-Oct-16 A	11-May-17 A	11-May-17 A, Engineering Design																																			
CD70570	Engineering Design - Pump Station 1 HVAC Improvements (Project 2.21)	209	15-Oct-16 A	11-May-17 A	Engineering Design - Pump Station 1 HVAC Improvements (Project 2.21)																																			
Permitting		264	15-May-17 A	08-Jan-18 A	08-Jan-18 A, Permitting																																			
CD70580	Permitting - Pump Station 1 HVAC Improvements (Project 2.21)	264	15-May-17 A	08-Jan-18 A	Permitting - Pump Station 1 HVAC Improvements (Project 2.21)																																			
Procurement		216	08-Dec-17 A	10-Jun-18 A	10-Jun-18 A, Procurement																																			
CD70590	Procurement - Pump Station 1 HVAC Improvements (Project 2.21)	216	08-Dec-17 A	10-Jun-18 A	Procurement - Pump Station 1 HVAC Improvements (Project 2.21)																																			
Construction		410	11-Jun-18 A	15-Nov-19	15-Nov-19, Construction																																			
CD70610	Construction - Pump Station 1 HVAC Improvements (Project 2.21)	410	11-Jun-18 A	15-Nov-19	Construction - Pump Station 1 HVAC Improvements (Project 2.21)																																			
Project Administration		965	15-Oct-16 A	15-Nov-19	15-Nov-19, Project Administration																																			
CD85260	WASD Project Administration - Pump Station 1 HVAC Improvements (Project 2.21)	965	15-Oct-16 A	15-Nov-19	WASD Project Administration - Pump Station 1 HVAC Improvements (Project 2.21)																																			
<b>2.25 (5) Pump Station 2 HVAC Improvements (Project 2.22)</b>		911	15-Apr-15 A	24-Nov-19	<b>24-Nov-19, 2.25 (5) Pump Station 2 HVAC Improvements (Project 2.22)</b>																																			
Engineering Design		362	15-Apr-15 A	11-Apr-16 A	11-Apr-16 A, Engineering Design																																			
CD70530	Engineering Design - Pump Station 2 HVAC Improvements (Project 2.22)	363	15-Apr-15 A	11-Apr-16 A	Engineering Design - Pump Station 2 HVAC Improvements (Project 2.22)																																			
Permitting		234	12-Apr-16 A	02-Dec-16 A	02-Dec-16 A, Permitting																																			
CD70540	Permitting - Pump Station 2 HVAC Improvements (Project 2.22)	235	12-Apr-16 A	02-Dec-16 A	Permitting - Pump Station 2 HVAC Improvements (Project 2.22)																																			
Procurement		192	15-Jul-16 A	23-Jan-17 A	23-Jan-17 A, Procurement																																			
CD70550	Procurement - Pump Station 2 HVAC Improvements (Project 2.22)	193	15-Jul-16 A	23-Jan-17 A	Procurement - Pump Station 2 HVAC Improvements (Project 2.22)																																			
Construction		261	24-Jan-17 A	24-Nov-19	24-Nov-19, Construction																																			
CD70600	Construction - Pump Station 2 HVAC Improvements (Project 2.22)	261	24-Jan-17 A	24-Nov-19	Construction - Pump Station 2 HVAC Improvements (Project 2.22)																																			
Project Administration		911	15-Apr-15 A	24-Nov-19	24-Nov-19, Project Administration																																			
CD85270	WASD Project Administration - Pump Station 2 HVAC Improvements (Project 2.22)	911	15-Apr-15 A	24-Nov-19	WASD Project Administration - Pump Station 2 HVAC Improvements (Project 2.22)																																			
<b>2.26 Rehabilitation of Walkways and Stairways</b>		5110	01-Oct-13 A	27-Sep-27	<b>27-Sep-27, 2.26 Rehabilitation of Walkways and Stairways</b>																																			
Construction		5110	01-Oct-13 A	27-Sep-27	Construction - CD Rehab of Walkways & Stairways																																			
CD83460	EPA Start Date for Construction - CD Rehab of Walkways & Stairways	0	01-Oct-13 A	27-Sep-27	EPA Start Date for Construction - CD Rehab of Walkways & Stairways																																			
CD10070	Construction - CD Rehab of Walkways & Stairways	3741	01-Oct-13 A	27-Mar-27	Construction - CD Rehab of Walkways & Stairways																																			
CD11710	Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Walkways & Stairways	0		27-Mar-27*	Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Walkways & Stairways																																			
CD81760	EPA Compliance Date for Construction - CD Rehab of Walkways & Stairways	0		27-Sep-27*	EPA Compliance Date for Construction - CD Rehab of Walkways & Stairways																																			
Project Administration		3741	01-Oct-13 A	27-Mar-27	Project Administration - CD Rehab of Walkways & Stairways																																			
CD34230	WASD Project Administration - CD Rehab of Walkways & Stairways	3741	01-Oct-13 A	27-Mar-27	WASD Project Administration - CD Rehab of Walkways & Stairways																																			
<b>2.27 Oxygen Production</b>		2728	19-Dec-14 A	07-Jun-22	<b>07-Jun-22, 2.27 Oxygen Production</b>																																			
Engineering Design		926	01-Jan-15 A	15-Jul-17 A	15-Jul-17 A, Engineering Design																																			
CD83470	EPA Start for Engineering Design - CD Oxygen Production	0	01-Jan-15 A	15-Jul-17 A	EPA Start for Engineering Design - 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 Oxygen Production																																			
Permitting		85	05-Apr-17 A	29-Jun-17 A	29-Jun-17 A, Permitting																																			
CD10550	Permitting - Site Preparation (utilities and demolition)	86	05-Apr-17 A	29-Jun-17 A	Permitting - Site Preparation (utilities and demolition)																																			
Procurement		421	05-Jun-17 A	28-Dec-18 A	28-Dec-18 A, Procurement																																			
CD83490	EPA Start Date for Procurement - Site Preparation**	0	16-Jul-17 A	15-Jul-18 A	EPA Start Date for Procurement - Site Preparation**																																			
CD81790	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation**	0		15-Jul-18 A	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation**																																			
CD10800	Procurement (Summary) - CD Oxygen Production & Site Preparation	314	05-Jun-17 A	28-Dec-18 A	Procurement (Summary) - CD Oxygen Production & Site Preparation																																			
Design-Build		1294	16-Jul-18 A	13-Feb-22	13-Feb-22, Design-Build																																			
CD83500	EPA Start Date for Construction - Site Preparation**	0	16-Jul-18 A	10-Oct-21	EPA Start Date for Construction - Site Preparation**																																			
CD11010	Construction (Summary) - CD Oxygen Production & Site Preparation	926	29-Mar-19 A	10-Oct-21	Construction (Summary) - CD Oxygen Production & Site Preparation																																			
CD86160	Substantial Completion (CD Compliance Date 2/13/22) - CD Oxygen Production & Site Preparation	0		10-Oct-21	Substantial Completion (CD Compliance Date 2/13/22) - CD Oxygen Production & Site Preparation																																			
CD81800	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22*	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation																																			
<b>2.27 (1) Oxygen Production Site Preparation</b>		518	28-Jan-16 A	29-Jun-17 A	<b>29-Jun-17 A, 2.27 (1) Oxygen Production Site Preparation</b>																																			
Pre-Design		245	28-Jan-16 A	29-Sep-16 A	29-Sep-16 A, Pre-Design																																			
CD70870	Pre-Design - Site Preparation (utilities and demolition)	246	28-Jan-16 A	29-Sep-16 A	Pre-Design - Site Preparation (utilities and demolition)																																			
Engineering Design		264	30-Sep-16 A	21-Jun-17 A	21-Jun-17 A, Engineering Design																																			
CD82150	30% Design Submittal - Site Preparation (utilities and demolition)	189	30-Sep-16 A	06-Apr-17 A	30% Design Submittal - Site Preparation (utilities and demolition)																																			
CD82160	30% Design Review - Site Preparation (utilities and demolition)	176	26-Oct-16 A	19-Apr-17 A	30% Design Review - Site Preparation (utilities and demolition)																																			
CD82170	100% Design Submittal NFC - Site Preparation (utilities and demolition)	205	02-Nov-16 A	25-May-17 A	100% Design Submittal NFC - Site Preparation (utilities and demolition)																																			



Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Engineering Design</b>					08-Nov-16 A, Engineering Design																																	
CD70010	Engineering Design - CDWWTP Contractor's Trailers Site Prep	200	22-Apr-16 A	08-Nov-16 A	Engineering Design - CDWWTP Contractor's Trailers Site Prep																																	
<b>Permitting</b>					01-May-17 A, Permitting																																	
CD80010	Florida Department of Health Permit - CDWWTP Contractor's Trailers Site Prep	6	14-Dec-16 A	19-Dec-16 A	Florida Department of Health Permit - CDWWTP Contractor's Trailers Site Prep																																	
CD80020	DERM Permit - CDWWTP Contractor's Trailers Site Prep	86	12-Dec-16 A	07-Mar-17 A	DERM Permit - CDWWTP Contractor's Trailers Site Prep																																	
CD70020	Permitting - CDWWTP Contractor's Trailers Site Prep	175	08-Nov-16 A	01-May-17 A	Permitting - CDWWTP Contractor's Trailers 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 Site Prep																																	
<b>Procurement</b>					19-Oct-17 A, Procurement																																	
CD84570	Design Documents Sent to Procurement - CDWWTP Contractor's Trailers Site Prep	0	02-May-17 A	19-Oct-17 A	Design Documents Sent to Procurement - CDWWTP Contractor's Trailers Site Prep																																	
CD84580	Submit/Approve SBD Goals and Request to Advertise - CDWWTP Contractor's Trailers Site Prep	15	02-May-17 A	16-May-17 A	Submit/Approve SBD Goals and Request to Advertise - CDWWTP Contractor's Trailers Site Prep																																	
CD84590	Advertise Bid Package - CDWWTP Contractor's Trailers Site Prep	0	17-May-17 A	16-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	Bid Solicitation Period - CDWWTP Contractor's Trailers Site Prep																																	
CD84610	Bids Due - CDWWTP Contractor's Trailers Site Prep	0	30-Jun-17 A	29-Jun-17 A	Bids Due - CDWWTP Contractor's Trailers Site Prep																																	
CD84620	Bid Review Period - CDWWTP Contractor's Trailers Site Prep	60	30-Jun-17 A	28-Aug-17 A	Bid Review Period - CDWWTP Contractor's Trailers Site Prep																																	
CD84630	Award Recommendation - CDWWTP Contractor's Trailers Site Prep	0	29-Aug-17 A	28-Aug-17 A	Award Recommendation - CDWWTP Contractor's Trailers Site Prep																																	
CD70030	Procurement - CDWWTP Contractor's Trailers Site Prep	162	02-May-17 A	19-Oct-17 A	Procurement - CDWWTP Contractor's Trailers Site Prep																																	
CD84640	Final Approvals - CDWWTP Contractor's Trailers Site Prep	43	29-Aug-17 A	19-Oct-17 A	Final Approvals - CDWWTP Contractor's Trailers Site Prep																																	
<b>Construction</b>					31-Jul-19, Construction																																	
CD84650	Contractor Notice to Proceed(NTP) - CDWWTP Contractor's Trailers Site Prep	0	05-Feb-18 A	31-Jul-19	Contractor Notice to Proceed(NTP) - CDWWTP Contractor's Trailers Site Prep																																	
CD70040	Construction - CDWWTP Contractor's Trailers Site Prep	90	05-Feb-18 A	12-Sep-18 A	Construction - CDWWTP Contractor's Trailers Site Prep																																	
CD84660	Substantial Completion - CDWWTP Contractor's Trailers Site Prep	0	12-Sep-18 A	12-Sep-18 A	Substantial Completion - CDWWTP Contractor's Trailers Site Prep																																	
CD81910	Project Closeout - Contractor's Trailers Site Prep	30	13-Sep-18 A	31-Jul-19*	Project Closeout - Contractor's Trailers Site Prep																																	
<b>Project Administration</b>					31-Jul-19, Project Administration																																	
CD85300	WASD Project Administration - Contractor's Trailers Site Prep	657	22-Apr-16 A	31-Jul-19	WASD Project Administration - Contractor's Trailers Site Prep																																	
<b>2.TE CD Temporary Electrical Facilities</b>					31-Aug-18 A, 2.TE CD Temporary Electrical Facilities																																	
<b>Pre-Design</b>					22-Sep-17 A, Pre-Design																																	
CD84840	Pre-Design - CD Temporary Electrical Facilities	575	26-Feb-16 A	22-Sep-17 A	Pre-Design - CD Temporary Electrical Facilities																																	
<b>Engineering Design</b>					31-Aug-18 A, Engineering Design																																	
CD84850	Engineering Design - CD Temporary Electrical Facilities	124	25-Sep-17 A	12-Apr-18 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																																	
<b>2.SM CDWWTP Stormwater Master Plan</b>					28-Jul-17 A, 2.SM CDWWTP Stormwater Master Plan																																	
<b>Engineering Design</b>					28-Jul-17 A, Engineering Design																																	
CD80000	Develop Stormwater Master Plan	397	27-Jun-16 A	28-Jul-17 A	Develop Stormwater Master Plan																																	
<b>Project Administration</b>					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																																	
<b>3. North District WWTP</b>					30-Aug-19, 3.01 Headworks and Sludge Degritting & Transfer																																	
<b>3.01 Headworks and Sludge Degritting &amp; Transfer</b>					30-Aug-19, 3.01 Headworks and Sludge Degritting & Transfer																																	
<b>Engineering Design</b>					19-Sep-14 A, Engineering Design																																	
ND70790	EPA Start Date for Engineering Design - ND Headworks & Sludge Degritting	0	20-Mar-13 A	19-Sep-14 A	EPA Start Date for Engineering Design - ND Headworks & Sludge Degritting																																	
ND10000	Engineering Design - ND Headworks & Sludge Degritting	479	20-Mar-13 A	11-Jul-14 A	Engineering Design - ND Headworks & Sludge Degritting																																	
ND70320	EPA Compliance Date for Engineering Design - ND Headworks & Sludge Degritting	0	19-Sep-14 A	19-Sep-14 A	EPA Compliance Date for Engineering Design - ND Headworks & Sludge Degritting																																	
<b>Permitting</b>					30-Sep-15 A, Permitting																																	
ND70800	EPA Start Date for Permitting - ND Headworks & Sludge Degritting	0	11-Jul-14 A	30-Sep-15 A	EPA Start Date for Permitting - ND Headworks & Sludge Degritting																																	
ND70330	EPA Compliance Date for Permitting - ND Headworks & Sludge Degritting**	0	05-Sep-15 A	30-Sep-15 A	EPA Compliance Date for Permitting - ND Headworks & Sludge Degritting**																																	
ND10010	Permitting - ND Headworks & Sludge Degritting	477	11-Jun-14 A	30-Sep-15 A	Permitting - ND Headworks & Sludge Degritting																																	
<b>Procurement</b>					15-Nov-16 A, Procurement																																	
ND70810	EPA Start Date for Procurement - ND Headworks & Sludge Degritting	0	01-Oct-14 A	15-Nov-16 A	EPA Start Date for Procurement - ND Headworks & Sludge Degritting																																	
ND11445	Owner Pre-Purchase - Procurement Electrical Equip. - ND Headworks & Sludge Degritting	71	04-Dec-14 A	12-Feb-15 A	Owner Pre-Purchase - Procurement Electrical Equip. - ND Headworks & Sludge Degritting																																	
ND20850	Owner Pre-Purchase - Procurement Screens - ND Headworks & Sludge Degritting	95	04-Dec-14 A	08-Mar-15 A	Owner Pre-Purchase - Procurement Screens - ND Headworks & Sludge Degritting																																	
ND10050	Procurement - ND Headworks & Sludge Degritting	208	08-Apr-15 A	01-Nov-15 A	Procurement - ND Headworks & Sludge Degritting																																	
ND70340	EPA Compliance Date for Procurement - ND Headworks & Sludge Degritting	0	03-Dec-15 A	01-Nov-15 A	EPA Compliance Date for Procurement - ND Headworks & Sludge Degritting																																	
ND11365	Owner Pre-Purchase/Fabricate/Deliver Screens - ND Headworks & Sludge Degritting	285	09-Mar-15 A	18-Dec-15 A	Owner Pre-Purchase/Fabricate/Deliver Screens - ND Headworks & Sludge Degritting																																	
ND20840	Owner Pre-Purchase - Fabricate/Deliver Electrical Equip. - ND Headworks & Sludge Degritting	981	13-Feb-15 A	15-Nov-16 A	Owner Pre-Purchase - Fabricate/Deliver Electrical Equip. - ND Headworks & Sludge Degritting																																	
<b>Construction</b>					30-Aug-19, Construction																																	
ND21360	Contractor NTP - ND Headworks & Sludge Degritting	0	02-Nov-15 A	30-Aug-19	Contractor NTP - ND Headworks & Sludge Degritting																																	
ND70820	EPA Start Date for Construction - ND Headworks & Sludge Degritting	0	04-Dec-15 A	30-Aug-19	EPA Start Date for Construction - ND Headworks & Sludge Degritting																																	
ND71230	Milestone #1 - Commissioning of Electrical Annex - ND Headworks & Sludge Degritting	0	27-Dec-16 A	30-Aug-19	Milestone #1 - Commissioning of Electrical Annex - ND Headworks & Sludge Degritting																																	
ND10080	Construction Phase 1: Screens - ND Headworks & Sludge Degritting	576	02-Nov-15 A	30-May-17 A	Construction Phase 1: Screens - ND Headworks & Sludge Degritting																																	
ND20830	Substantial Completion Phase 1/Milestone #2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0	30-May-17 A	30-May-17 A	Substantial Completion Phase 1/Milestone #2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting																																	
ND10170	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	795	02-Nov-15 A	06-Dec-17 A	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting																																	
ND10340	Substantial Completion Phase 2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0	06-Dec-17 A	06-Dec-17 A	Substantial Completion Phase 2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting																																	
ND70350	EPA Compliance Date for Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	0	07-Apr-18 A	06-Dec-17 A	EPA Compliance Date for Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting																																	
ND40280	Project Closeout - ND Headworks & Sludge Degritting	64	07-Dec-17 A	30-Aug-19*	Project Closeout - ND Headworks & Sludge Degritting																																	
<b>Project Administration</b>					30-Aug-19, Project Administration																																	
ND21500	WASD Project Administration - ND Headworks & Sludge Degritting	1816	20-Mar-13 A	30-Aug-19	WASD Project Administration - ND Headworks & Sludge Degritting																																	
<b>3.02 Primary Clarifiers and Odor Control</b>					06-Apr-23, 3.02 Primary Clarifiers and Odor Control																																	
<b>Engineering Design</b>					15-May-17 A, Engineering Design																																	
ND70830	EPA Start Date for Engineering Design - ND Primary Clarifiers & Odor Control	0	01-Nov-15 A	15-May-17 A	EPA Start Date for Engineering Design - ND Primary Clarifiers & Odor Control																																	
ND10090	Engineering Design - ND Primary Clarifiers & Odor Control	958	03-Sep-14 A	17-Apr-17 A	Engineering Design - ND Primary Clarifiers & Odor Control																																	
ND70360	EPA Compliance Date for Engineering Design - ND Primary Clarifiers & Odor Control	0	15-May-17 A	15-May-17 A	EPA Compliance Date for Engineering Design - ND Primary Clarifiers & Odor Control																																	
<b>Permitting</b>					10-Oct-17 A, Permitting																																	
ND70840	EPA Start Date for Permitting - ND Primary Clarifiers & Odor Control	0	10-Mar-17 A	10-Oct-17 A	EPA Start Date for Permitting - ND Primary Clarifiers & Odor Control																																	
ND70370	EPA Compliance Date for Permitting - ND Primary Clarifiers & Odor Control*	0	05-Sep-17 A	10-Oct-17 A	EPA Compliance Date for Permitting - ND Primary Clarifiers & Odor Control*																																	









Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023		2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
ND20090	Engineering Design - ND Secondary Clarifiers (Remaining Scope)	925	28-Aug-14 A	09-Mar-17 A	Engineering Design - ND Secondary Clarifiers (Remaining Scope)																															
ND40490	100% Design Review/Permit Ready Submittal - ND Secondary Clarifiers (Remaining Scope)	28	10-Feb-17 A	09-Mar-17 A	100% Design Review/Permit Ready Submittal - ND Secondary Clarifiers (Remaining Scope)																															
<b>Permitting</b>					945 27-Mar-15 A 10-Oct-17 A																															
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	Permitting - ND Secondary Clarifiers (Remaining Scope)	945	27-Mar-15 A	10-Oct-17 A	Permitting - ND Secondary Clarifiers (Remaining Scope)																															
ND70260	City of North Miami Permit - ND Secondary Clarifiers (Remaining Scope)	186	24-Apr-17 A	10-Oct-17 A	City of North Miami Permit - ND Secondary Clarifiers (Remaining Scope)																															
<b>Procurement</b>					586 26-May-17 A 16-Dec-18 A																															
ND71560	GMOU submittal and approval - ND Secondary Clarifiers (Remaining Scope)	21	26-May-17 A	15-Jun-17 A	GMOU 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 Sent to Procurement - ND Secondary Clarifiers (Remaining Scope)																															
ND20970	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)	60	01-Dec-17 A	21-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)																															
ND20980	Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)	0	22-Feb-18 A		Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)																															
ND20990	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope)	37	22-Feb-18 A	26-Apr-18 A	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope)																															
ND21000	Bids Due - ND Secondary Clarifiers (Remaining Scope)	0	27-Apr-18 A		Bids Due - ND Secondary Clarifiers (Remaining Scope)																															
ND21010	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)	30	27-Apr-18 A	02-Oct-18 A	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)																															
ND21020	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)	0		02-Oct-18 A	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, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)																															
<b>Construction</b>					1396 20-Dec-18 A 15-Nov-22																															
ND20118	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)	0	20-Dec-18 A		Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)																															
ND20120	Construction - ND Secondary Clarifiers (Remaining Scope)	1395	20-Dec-18 A	14-Oct-22	Construction - ND Secondary Clarifiers (Remaining Scope)																															
ND71840	Commissioning - ND Secondary Clarifiers	30	15-Sep-22	14-Oct-22	Commissioning - ND Secondary Clarifiers																															
ND20130	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)	0		14-Oct-22*	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)																															
ND40320	Project Closeout - ND Secondary Clarifiers	32	15-Oct-22	15-Nov-22*	Project Closeout - ND Secondary Clarifiers																															
<b>Project Administration</b>					3545 28-Aug-14 A 15-Nov-22																															
ND21550	WASD Project Administration - ND Secondary Clarifiers	3545	28-Aug-14 A	15-Nov-22	WASD Project Administration - ND Secondary Clarifiers																															
<b>3.06 Disinfection</b>					2334 21-Apr-14 A 09-Sep-20																															
<b>Pre-Design</b>					114 16-Feb-15 A 10-Jun-15 A																															
ND20010	Pre-Design - ND Disinfection	115	16-Feb-15 A	10-Jun-15 A	Pre-Design - ND Disinfection																															
<b>Engineering Design</b>					1081 21-Apr-14 A 06-Apr-17 A																															
ND20000	Review Existing Design for Storm Surge & Code Changes - ND Disinfection	253	21-Apr-14 A	29-Dec-14 A	Review Existing Design 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	EPA Start Date for Engineering Design - ND Disinfection	0	01-Feb-17 A		EPA Start Date for Engineering Design - ND Disinfection																															
ND70520	EPA Compliance Date for Engineering Design - ND Disinfection	0		06-Apr-17 A	EPA Compliance Date for Engineering Design - ND Disinfection																															
<b>Permitting</b>					901 25-Jul-16 A 22-Feb-19 A																															
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	FDEP Permit - ND Disinfection																															
ND10200	Permitting - ND Disinfection	464	25-Jul-16 A	22-Feb-19 A	Permitting - ND Disinfection																															
ND71870	Bldg Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection	112	23-Aug-18 A	22-Feb-19 A	Bldg Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection																															
<b>Procurement</b>					634 04-Aug-17 A 06-Apr-19 A																															
ND71590	GMOU submittal and approval - ND Disinfection	26	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	Internal Bid Package Review - 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 Package - ND Disinfection																															
ND21070	Bid Solicitation Period - ND Disinfection	60	05-Jan-18 A	07-Mar-18 A	Bid Solicitation Period - ND Disinfection																															
ND21080	Bids Due - ND Disinfection	0	08-Mar-18 A		Bids Due - ND Disinfection																															
ND71020	EPA Start Date for Procurement - ND Disinfection	0	07-Apr-18 A		EPA Start Date for Procurement - ND Disinfection																															
ND21090	Bid Review Period - ND Disinfection	30	08-Mar-18 A	30-Aug-18 A	Bid Review Period - ND Disinfection																															
ND21100	Award Recommendation - ND Disinfection	0		30-Aug-18 A	Award Recommendation - ND Disinfection																															
ND10260	Procurement - ND Disinfection	227	21-Nov-17 A	10-Sep-18 A	Procurement - ND Disinfection																															
ND21110	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Disinfection	71	31-Aug-18 A	10-Sep-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Disinfection																															
ND70540	EPA Compliance Date for Procurement - ND Disinfection	0		06-Apr-19 A	EPA Compliance Date for Procurement - ND Disinfection																															
<b>Construction</b>					538 25-Feb-19 A 09-Sep-20																															
ND10328	Contractor Notice to Proceed (NTP) - ND Disinfection	0	25-Feb-19 A		Contractor Notice to Proceed (NTP) - ND Disinfection																															
ND71030	EPA Start Date for Construction - ND Disinfection	0	07-Apr-19 A		EPA Start Date for Construction - ND Disinfection																															
ND10330	Construction - ND Disinfection	520	25-Feb-19 A	28-Jul-20	Construction - ND Disinfection																															
ND71850	Commissioning - ND Disinfection	30	29-Jun-20	28-Jul-20	Commissioning - ND Disinfection																															
ND10380	Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection	0		28-Jul-20*	Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection																															
ND40330	Project Closeout - ND Disinfection	30	29-Jul-20	27-Aug-20*	Project Closeout - ND Disinfection																															
ND70550	EPA Compliance Date for Construction - ND Disinfection	0		09-Sep-20*	EPA Compliance Date for Construction - ND Disinfection																															
<b>Project Administration</b>					1735 11-Jun-15 A 27-Aug-20																															
ND21560	WASD Project Administration - ND Disinfection	1735	11-Jun-15 A	27-Aug-20	WASD Project Administration - ND Disinfection																															
<b>3.07 Effluent Disposal</b>					2868 21-Feb-14 A 28-Dec-21																															
<b>Pre-Design</b>					145 06-Oct-14 A 28-Feb-15 A																															
ND11415	2 - Pre-Design - ND Ocean Outfall Pump Station	146	06-Oct-14 A	28-Feb-15 A	2 - Pre-Design - ND Ocean Outfall Pump Station																															
<b>Engineering Design</b>					825 09-Jul-14 A 12-Sep-16 A																															
					Ocean Outfall Pump Station - Engineering Design																															

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
ND20780	1b - Engineering Design - DW Pump Station Electrical	119	09-Jul-14 A	06-Oct-14 A	V Pump Station Electrical																							
ND10120	Engineering Design (Summary) - ND Effluent Disposal	431	09-Jul-14 A	16-Oct-15 A	Engineering Design (Summary) - ND Effluent Disposal																							
ND20730	1a - Engineering Design - DW Pump Station Mechanical	431	12-Aug-14 A	16-Oct-15 A	Engineering Design - DW Pump Station Mechanical																							
ND71040	EPA Start Date for Engineering Design - ND Effluent Disposal	0	01-Dec-15 A		EPA Start Date for Engineering Design - ND Effluent Disposal																							
ND70560	EPA Compliance Date for Engineering Design - ND Effluent Disposal	0		12-Sep-16 A	EPA Compliance Date for Engineering Design - ND Effluent Disposal																							
<b>Permitting</b>					1775 17-Feb-15 A 27-Dec-19																							
ND20790	1b - Permitting - DW Pump Station Electrical	31	17-Feb-15 A	19-Mar-15 A	DW Pump Station Electrical																							
ND10140	Permitting (Summary) - ND Effluent Disposal	291	17-Feb-15 A	04-Dec-15 A	Permitting (Summary) - ND Effluent Disposal																							
ND20740	1a - Permitting - DW Pump Station Mechanical	207	12-May-15 A	04-Dec-15 A	1a - Permitting - DW Pump Station Mechanical																							
ND71050	EPA Start Date for Permitting - ND Effluent Disposal	0	13-Sep-16 A		EPA Start Date for Permitting - ND Effluent Disposal																							
ND70570	EPA Compliance Date for Permitting - ND Effluent Disposal	0		27-Dec-19*	EPA Compliance Date for Permitting - ND Effluent Disposal																							
<b>Procurement</b>					2268 21-Feb-14 A 07-May-20																							
ND20800	1b - Procurement - DW Pump Station Electrical	110	21-Feb-14 A	10-Jun-14 A	Procurement - DW Pump Station Electrical																							
ND11425	1b - Owner Pre-Purchase Elect. Equip. - DW Pump Station Electrical	586	10-May-14 A	16-Dec-15 A	1b - Owner Pre-Purchase Elect. Equip. - DW Pump Station Electrical																							
ND21120	1a - Design Documents Sent to Procurement - DW Pump Station Mechanical	0	06-May-16 A		1a - Design Documents Sent to Procurement - DW Pump Station Mechanical																							
ND21130	1a - Submit/Approve SBD Goals and Request to Advertise - DW Pump Station Mechanical	28	06-May-16 A	02-Jun-16 A	1a - Submit/Approve SBD Goals and Request to Advertise - DW Pump Station Mechanical																							
ND21140	1a - Advertise Bid Package - DW Pump Station Mechanical	0	03-Jun-16 A		1a - Advertise Bid Package - DW Pump Station Mechanical																							
ND21150	1a - Bid Solicitation Period - DW Pump Station Mechanical	41	03-Jun-16 A	13-Jul-16 A	1a - Bid Solicitation Period - DW Pump Station Mechanical																							
ND21160	1a - Bids Due - DW Pump Station Mechanical	0	14-Jul-16 A		1a - Bids Due - DW Pump Station Mechanical																							
ND21170	1a - Bid Review Period - DW Pump Station Mechanical	50	14-Jul-16 A	01-Sep-16 A	1a - Bid Review Period - DW Pump Station Mechanical																							
ND21180	1a - Award Recommendation - DW Pump Station Mechanical	0		01-Sep-16 A	1a - Award Recommendation - DW Pump Station Mechanical																							
ND20750	1a - Procurement - DW Pump Station Mechanical	165	06-May-16 A	17-Oct-16 A	1a - Procurement - DW Pump Station Mechanical																							
ND21190	1a - Final Approvals (BCC, Mayor, Risk Mgmt.) - DW Pump Station Mechanical	46	02-Sep-16 A	17-Oct-16 A	1a - Final Approvals (BCC, Mayor, Risk Mgmt.) - DW Pump Station Mechanical																							
ND10230	Procurement (Summary) - ND Effluent Disposal	970	21-Feb-14 A	17-Oct-16 A	Procurement (Summary) - ND Effluent Disposal																							
ND71060	EPA Start Date for Procurement - ND Effluent Disposal	0	13-Sep-17 A		EPA Start Date for Procurement - ND Effluent Disposal																							
ND70580	EPA Compliance Date for Procurement - ND Effluent Disposal	0		07-May-20*	EPA Compliance Date for Procurement - ND Effluent Disposal																							
<b>Construction</b>					2585 01-Dec-14 A 28-Dec-21																							
ND11345	2 - Construction - ND Ocean Outfall Pump Station	96	01-Dec-14 A	06-Mar-15 A	2 - Construction - ND Ocean Outfall Pump Station																							
ND11355	2 - Substantial Completion (CD Compliance Date 12/28/21) - ND Ocean Outfall Pump Station	0		06-Mar-15 A	2 - Substantial Completion (CD Compliance Date 12/28/21) - ND Ocean Outfall Pump Station																							
ND20810	1b - Construction - DW Pump Station Electrical	317	18-Feb-15 A	31-Dec-15 A	1b - Construction - DW Pump Station Electrical																							
ND20820	1b - Substantial Completion (CD Compliance Date 12/28/21) - DW Pump Station Electrical	0		31-Dec-15 A	1b - Substantial Completion (CD Compliance Date 12/28/21) - DW Pump Station Electrical																							
ND20758	1a - Contractor Notice to Proceed (NTP) - DW Pump Station Mechanical	0	18-Oct-16 A		1a - Contractor Notice to Proceed (NTP) - DW Pump Station Mechanical																							
ND20760	1a - Construction - DW Pump Station Mechanical	609	18-Oct-16 A	29-Jun-18 A	1a - Construction - DW Pump Station Mechanical																							
ND10460	Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal	0		29-Jun-18 A	Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal																							
ND10458	1a - Substantial Completion (CD Compliance Date 12/28/21) - DW Pump Station Mechanical	0		29-Jun-18 A	1a - Substantial Completion (CD Compliance Date 12/28/21) - DW Pump Station Mechanical																							
ND10280	Construction (Summary) - ND Effluent Disposal	1217	18-Feb-15 A	18-Jul-18 A	Construction (Summary) - ND Effluent Disposal																							
ND40340	Project Closeout - DW Pump Station Mechanical	90	29-Jun-18 A	30-Aug-19*	Project Closeout - DW Pump Station Mechanical																							
ND71070	EPA Start Date for Construction - ND Effluent Disposal	0	08-May-20*		EPA Start Date for Construction - ND Effluent Disposal																							
ND70590	EPA Compliance Date for Construction - ND Effluent Disposal	0		28-Dec-21*	EPA Compliance Date for Construction - ND Effluent Disposal																							
<b>Project Administration</b>					1560 09-Jul-14 A 30-Aug-19																							
ND21570	WASD Project Administration - DW Pump Station Electrical	1560	09-Jul-14 A	30-Aug-19	WASD Project Administration - DW Pump Station Electrical																							
<b>3.08 Plant Wide Electrical</b>					3044 21-Apr-14 A 20-Aug-22																							
<b>Engineering Design</b>					1924 21-Apr-14 A 20-Jan-17 A																							
ND71080	EPA Start Date for Engineering Design - ND Plant Wide Electrical	0	21-Apr-14 A		EPA Start Date for Engineering Design - ND Plant Wide Electrical																							
ND10040	Engineering Design - ND Plant Wide Electrical	1914	01-May-14 A	05-Jun-15 A	Engineering Design - ND Plant Wide Electrical																							
ND70600	EPA Compliance Date for Engineering Design - ND Plant Wide Electrical**	0		20-Jan-17 A	EPA Compliance Date for Engineering Design - ND Plant Wide Electrical**																							
<b>Permitting</b>					1819 01-May-15 A 23-Dec-19																							
ND71090	EPA Start Date for Permitting - ND Plant Wide Electrical	0	21-Jan-17 A		EPA Start Date for Permitting - ND Plant Wide Electrical																							
ND70610	EPA Compliance Date for Permitting - ND Plant Wide Electrical	0		20-Jan-18 A	EPA Compliance Date for Permitting - ND Plant Wide Electrical																							
ND10180	Permitting - ND Plant Wide Electrical	1819	01-May-15 A	23-Dec-19	Permitting - ND Plant Wide Electrical																							
<b>Procurement</b>					2142 12-Mar-15 A 21-Apr-20																							
ND71100	EPA Start Date for Procurement - ND Plant Wide Electrical	0	21-Jan-18 A		EPA Start Date for Procurement - ND Plant Wide Electrical																							
ND70620	EPA Compliance Date for Procurement - ND Plant Wide Electrical	0		20-Jan-19 A	EPA Compliance Date for Procurement - ND Plant Wide Electrical																							
ND10250	Procurement - ND Plant Wide Electrical	2142	12-Mar-15 A	21-Apr-20	Procurement - ND Plant Wide Electrical																							
<b>Construction</b>					2516 01-Oct-15 A 20-Aug-22																							
ND71110	EPA Start Date for Construction - ND Plant Wide Electrical	0	21-Jan-19 A		EPA Start Date for Construction - ND Plant Wide Electrical																							
ND10320	Construction - ND Plant Wide Electrical	2339	01-Oct-15 A	15-Jun-21	Construction - ND Plant Wide Electrical																							
ND10480	Substantial Completion (CD Compliance Date 8/20/22) - ND Plant Wide Electrical	0		15-Jun-21*	Substantial Completion (CD Compliance Date 8/20/22) - ND Plant Wide Electrical																							
ND70630	EPA Compliance Date for Construction - ND Plant Wide Electrical	0		20-Aug-22*	EPA Compliance Date for Construction - ND Plant Wide Electrical																							
<b>Project Administration</b>					2857 01-May-14 A 29-Jul-22																							
ND21580	WASD Project Administration - ND Plant Wide Electrical	2857	01-May-14 A	29-Jul-22	WASD Project Administration - ND Plant Wide Electrical																							
<b>3.08 (1) - NDWWTP General Electrical In-house Construction (Feeders 1-2)</b>					624 01-May-14 A 15-Jan-16 A																							
<b>Engineering Design</b>					400 01-May-14 A 05-Jun-15 A																							
ND20470	Engineering Design - Electrical Feeders 1-2	401	01-May-14 A	05-Jun-15 A	Engineering Design - Electrical Feeders 1-2																							
<b>Permitting</b>					35 01-May-15 A 05-Jun-15 A																							
ND70230	Permitting - Electrical Feeders 1-2	36	01-May-15 A	05-Jun-15 A	Permitting - Electrical Feeders 1-2																							
<b>Procurement</b>					202 12-Mar-15 A 30-Sep-15 A																							
ND40520	Procurement - Electrical Feeders 1-2	203	12-Mar-15 A	30-Sep-15 A	Procurement - Electrical Feeders 1-2																							
<b>Construction</b>					106 01-Oct-15 A 15-Jan-16 A																							
ND21460	Construction - Electrical Feeders 1-2	107	01-Oct-15 A	15-Jan-16 A	Construction - Electrical Feeders 1-2																							
<b>Project Administration</b>					106 01-Oct-15 A 15-Jan-16 A																							
ND71740	WASD Project Administration - Electrical Feeders 1-2	107	01-Oct-15 A	15-Jan-16 A	WASD Project Administration - Electrical Feeders 1-2																							
<b>3.08 (2) - Electrical Feeders 3-6 (Project 3.01)</b>					1345 01-May-14 A 06-Dec-17 A																							

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>Engineering Design</b>					Engineering Design																			
ND70180	Engineering Design - Electrical Feeders 3-6 (Project 3.01)	401	01-May-14 A	05-Jun-15 A	Engineering Design - Electrical Feeders 3-6 (Project 3.01)																			
<b>Permitting</b>					Permitting																			
ND70190	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)																			
<b>Procurement</b>					Procurement																			
ND40530	Procurement - Electrical Feeders 3-6 (Project 3.01)	207	08-Apr-15 A	01-Nov-15 A	Procurement - Electrical Feeders 3-6 (Project 3.01)																			
<b>Construction</b>					Construction																			
ND21470	Construction - Electrical Feeders 3-6 (Project 3.01)	795	02-Nov-15 A	06-Dec-17 A	Construction - Electrical Feeders 3-6 (Project 3.01)																			
<b>Project Administration</b>					Project Administration																			
ND71750	WASD Project Administration - Electrical Feeders 3-6 (Project 3.01)	1345	01-May-14 A	06-Dec-17 A	WASD Project Administration - Electrical Feeders 3-6 (Project 3.01)																			
<b>3.08 (3) - Electrical Feeders 7-8 (Project 3.04)</b>					3.08 (3) - Electrical Feeders 7-8 (Project 3.04)																			
<b>Engineering Design</b>					Engineering Design																			
ND70140	Engineering Design - Electrical Feeders 7-8 (Project 3.04)	815	01-Jun-18 A	05-Mar-21	Engineering Design - Electrical Feeders 7-8 (Project 3.04)																			
<b>Permitting</b>					Permitting																			
ND70150	Permitting - Electrical Feeders 7-8 (Project 3.04)	270	06-Mar-21	30-Nov-21	Permitting - Electrical Feeders 7-8 (Project 3.04)																			
<b>Procurement</b>					Procurement																			
ND40540	Procurement - Electrical Feeders 7-8 (Project 3.04)	550	29-Jul-20	29-Jan-22	Procurement - Electrical Feeders 7-8 (Project 3.04)																			
<b>Construction</b>					Construction																			
ND21480	Construction - Electrical Feeders 7-8 (Project 3.04)	181	30-Jan-22	29-Jul-22	Construction - Electrical Feeders 7-8 (Project 3.04)																			
<b>Project Administration</b>					Project Administration																			
ND71760	WASD Project Administration - Electrical Feeders 7-8 (Project 3.04)	1311	01-Jun-18 A	29-Jul-22	WASD Project Administration - Electrical Feeders 7-8 (Project 3.04)																			
<b>3.08 (4) - Electrical Feeders 9-14</b>					3.08 (4) - Electrical Feeders 9-14																			
<b>Engineering Design</b>					Engineering Design																			
ND40500	Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14	0	18-Oct-18 A		Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14																			
ND71210	Pre-Design - Electrical Feeders 9-10, 13-14	60	18-Oct-18 A	26-Jul-19	Pre-Design - Electrical Feeders 9-10, 13-14																			
<b>Engineering Design</b>					Engineering Design																			
ND71890	Engineering Design - Electrical Feeders 9-10, 13-14	60	27-Jul-19	24-Sep-19	Engineering Design - Electrical Feeders 9-10, 13-14																			
<b>Permitting</b>					Permitting																			
ND71220	Permitting - Electrical Feeders 9-10, 13-14	90	25-Sep-19	23-Dec-19	Permitting - Electrical Feeders 9-10, 13-14																			
<b>Procurement</b>					Procurement																			
ND40550	Procurement - Electrical Feeders 9-10, 13-14	120	24-Dec-19	21-Apr-20	Procurement - Electrical Feeders 9-10, 13-14																			
<b>Construction</b>					Construction																			
ND71600	Construction - Electrical Feeders 11&12	1839	10-Jan-17 A	13-Sep-21	Construction - Electrical Feeders 11&12																			
ND71610	Construction - Electrical Feeders 9-14	1839	10-Jan-17 A	15-Jun-21	Construction - Electrical Feeders 9-14																			
ND21490	Construction - Electrical Feeders 9-10, 13-14	420	22-Apr-20	15-Jun-21	Construction - Electrical Feeders 9-10, 13-14																			
ND71860	Commissioning - Electrical Feeders 9-14	30	17-May-21	15-Jun-21	Commissioning - Electrical Feeders 9-14																			
ND40350	Project Closeout - Electrical Feeders 9-14	90	16-Jun-21	13-Sep-21*	Project Closeout - Electrical Feeders 9-14																			
<b>Project Administration</b>					Project Administration																			
ND71770	WASD Project Administration - Electrical Feeders 9-14	1299	10-Jan-17 A	23-Dec-19	WASD Project Administration - Electrical Feeders 9-14																			
<b>3.09 Flood Mitigation</b>					3.09 Flood Mitigation																			
<b>Engineering Design</b>					Engineering Design																			
ND71120	EPA Start Date for Engineering Design - ND Flood Mitigation	0	21-Apr-14 A		EPA Start Date for Engineering Design - ND Flood Mitigation																			
ND20650	Flood Mitigation Interim Solution Letter - ND Flood Mitigation	0	24-Nov-14 A		Flood Mitigation Interim Solution Letter - ND Flood Mitigation																			
ND10030	Engineering Design - ND Flood Mitigation	422	04-Apr-14 A	30-May-15 A	Engineering Design - ND Flood Mitigation																			
ND70640	EPA Compliance Date for Engineering Design - ND Flood Mitigation	0		30-May-15 A	EPA Compliance Date for Engineering Design - ND Flood Mitigation																			
<b>Permitting</b>					Permitting																			
ND71130	EPA Start Date for Permitting - ND Flood Mitigation	0	27-Nov-14 A		EPA Start Date for Permitting - ND Flood Mitigation																			
ND10060	Permitting - ND Flood Mitigation	1	01-May-15 A	01-May-15 A	Permitting - ND Flood Mitigation																			
ND70650	EPA Compliance Date for Permitting - ND Flood Mitigation	0		26-Nov-15 A	EPA Compliance Date for Permitting - ND Flood Mitigation																			
<b>Procurement</b>					Procurement																			
ND71140	EPA Start Date for Procurement - ND Flood Mitigation	0	27-Nov-15 A		EPA Start Date for Procurement - ND Flood Mitigation																			
ND10110	Procurement - ND Flood Mitigation	421	01-May-15 A	24-Jun-16 A	Procurement - ND Flood Mitigation																			
ND70660	EPA Compliance Date for Procurement - ND Flood Mitigation	0		25-Nov-16 A	EPA Compliance Date for Procurement - ND Flood Mitigation																			
<b>Construction</b>					Construction																			
ND10160	Construction - ND Flood Mitigation	854	01-May-15 A	31-Aug-17 A	Construction - ND Flood Mitigation																			
ND10220	Substantial Completion (CD Compliance Date 8/13/17) - ND Flood Mitigation	0		24-Jun-16 A	Substantial Completion (CD Compliance Date 8/13/17) - ND Flood Mitigation																			
ND71150	EPA Start Date for Construction - ND Flood Mitigation	0	26-Nov-16 A		EPA Start Date for Construction - ND Flood Mitigation																			
ND70670	EPA Compliance Date for Construction - ND Flood Mitigation	0		31-Aug-17 A	EPA Compliance Date for Construction - ND Flood Mitigation																			
<b>Project Administration</b>					Project Administration																			
ND21590	WASD Project Administration - ND Flood Mitigation	812	04-Apr-14 A	24-Jun-16 A	WASD Project Administration - ND Flood Mitigation																			
<b>3.10 Yard Piping Replacement</b>					3.10 Yard Piping Replacement																			
<b>Pre-Design</b>					Pre-Design																			
ND11435	Pre-Design - ND Secondary Clarifiers	0	06-Apr-15 A	06-Apr-15 A	Pre-Design - ND Secondary Clarifiers																			
<b>Engineering Design</b>					Engineering Design																			
ND10100	Engineering Design - ND Yard Piping Replacement	832	06-Apr-15 A	16-Jul-17 A	Engineering Design - ND Yard Piping Replacement																			
ND71160	EPA Start Date for Engineering Design - ND Yard Piping Replacement	0	06-Apr-15 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																			
<b>Permitting</b>					Permitting																			
ND10150	Permitting - ND Yard Piping Replacement	1031	06-Apr-15 A	12-Jan-18 A	Permitting - ND Yard Piping Replacement																			
ND71170	EPA Start Date for Permitting - ND Yard Piping Replacement	1	06-Apr-15 A	06-Apr-15 A	EPA Start Date for Permitting - ND Yard Piping Replacement																			
ND70690	EPA Compliance Date for Permitting - ND Yard Piping Replacement	0		12-Jan-18 A	EPA Compliance Date for Permitting - ND Yard Piping Replacement																			
<b>Procurement</b>					Procurement																			
ND10240	Procurement - ND Yard Piping Replacement	1305	05-Apr-15 A	09-Oct-18 A	Procurement - ND Yard Piping Replacement																			
ND71180	EPA Start Date for Procurement - ND Yard Piping Replacement	2	05-Apr-15 A	06-Apr-15 A	EPA Start Date for Procurement - ND Yard Piping Replacement																			



Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
<b>Construction</b>																																				
CT33301	Construction -MDWASD CM Team I/ Repair (MDWASD )	3736	01-Oct-13 A	27-Sep-27																																
<b>Project Administration</b>																																				
CT80760	WASD Project Administration -MDWASD CM Team I/ Repair (MDWASD )	3736	01-Oct-13 A	27-Sep-27																																
<b>4.01 (4) - WWCTLD WASD In-House I/ Repairs</b>																																				
<b>Construction</b>																																				
CT33302	Construction - WWCTLD WASD In-House I/ Repair (MDWASD )	3742	01-Oct-13 A	27-Sep-27																																
<b>Project Administration</b>																																				
CT80770	WASD Project Administration - WWCTLD WASD In-House I/ Repair (MDWASD )	3742	01-Oct-13 A	27-Sep-27																																
<b>4.02 Government Cut FM - Phase 1&amp;2</b>																																				
<b>Construction</b>																																				
CT71240	EPA Start Date for Construction - Government Cut FM Phase 1 & 2	0	01-Oct-12 A	30-Sep-13 A																																
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																																
CT50600	EPA Compliance Date for Construction - Government Cut FM Phase 1 & 2	0		30-Sep-13 A																																
<b>Project Administration</b>																																				
CT80780	WASD Project Administration - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A																																
<b>4.03 Government Cut FM - Phase 3</b>																																				
<b>Engineering Design</b>																																				
CT71250	EPA Start Date for Engineering Design - Government Cut FM Phase 3	0	30-Jan-13 A	22-Jan-14 A																																
CT10000	Engineering Design (DCP) - Government Cut FM Phase 3	358	30-Jan-13 A	22-Jan-14 A																																
CT50610	EPA Compliance Date for Engineering Design - Government Cut FM Phase 3	0		22-Jan-14 A																																
<b>Procurement</b>																																				
CT10170	Procurement - Government Cut FM Phase 3	329	28-Feb-13 A	22-Jan-14 A																																
CT71260	EPA Start Date for Procurement - Government Cut FM Phase 3	0	08-May-14 A																																	
CT50620	EPA Compliance Date for Procurement - Government Cut FM Phase 3	0		07-May-15 A																																
<b>Design-Build</b>																																				
CT71270	EPA Start Date for Construction - Government Cut FM Phase 3	0	08-May-15 A	08-Apr-17 A																																
CT10020	Permitting - Government Cut FM Phase 3	444	02-May-14 A	19-Jul-15 A																																
CT22250	Final Design (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																																
CT10360	Substantial Completion (CD Compliance Date 4/08/17) - Government Cut FM Phase 3	0		23-Nov-16 A																																
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																																
<b>Project Administration</b>																																				
CT38440	WASD Project Administration - Government Cut FM Phase 3	1483	30-Jan-13 A	21-Feb-17 A																																
<b>4.04 North Dade 72 inch PCCP FM Rehabilitation</b>																																				
<b>Engineering Design</b>																																				
CT71290	EPA Start Date for Engineering Design - North Dade 72" PCCP FM Rehab	0	01-Oct-13 A	06-Mar-14 A																																
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		06-Mar-14 A																																
<b>Permitting</b>																																				
CT71300	EPA Start Date for Permitting - North Dade 72" PCCP FM Rehab	419	04-Oct-14 A	27-Nov-15 A																																
CT50650	EPA Compliance Date for Permitting - North Dade 72" PCCP FM Rehab**	0		06-Mar-15 A																																
CT10150	Permitting - North Dade 72" PCCP FM Rehab	263	10-Mar-15 A	27-Nov-15 A																																
<b>Procurement</b>																																				
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																																	
CT50660	EPA Compliance Date for Procurement - North Dade 72" PCCP FM Rehab	0		05-Mar-16 A																																
<b>Design-Build</b>																																				
CT22240	Final Design (Design-Builder) - North Dade 72" PCCP FM Rehab	117	10-Mar-15 A	05-Mar-18 A																																
CT10310	Construction - North Dade 72" PCCP FM Rehab	179	10-Mar-15 A	04-Sep-15 A																																
CT10410	Substantial Completion (CD Compliance Date 3/05/18) - North Dade 72" PCCP FM Rehab	219	30-Sep-15 A	05-May-16 A																																
CT40390	Project Closeout - North Dade 72" PCCP FM Rehab	0		05-May-16 A																																
CT71320	EPA Start Date for Construction - North Dade 72" PCCP FM Rehab	240	06-May-16 A	31-Dec-16 A																																
CT50670	EPA Compliance Date for Construction - North Dade 72" PCCP FM Rehab	0		09-Jul-17 A																																
<b>Project Administration</b>																																				
CT38430	WASD Project Administration - North Dade 72" PCCP FM Rehab	1328	13-May-13 A	31-Dec-16 A																																
<b>4.05 South Dade 54 inch PCCP FM Rehabilitation</b>																																				
<b>Engineering Design</b>																																				
CT71330	EPA Start Date for Engineering Design - South Dade 54" PCCP FM Rehab**	422	05-Aug-14 A	01-Oct-15 A																																
CT50680	EPA Compliance Date for Engineering Design - South Dade 54" PCCP FM Rehab**	0		20-Feb-15 A																																
CT10060	Engineering Design - South Dade 54" PCCP FM Rehab	423	05-Aug-14 A	01-Oct-15 A																																
<b>Permitting</b>																																				
CT71340	EPA Start Date for Permitting - South Dade 54" PCCP FM Rehab	446	14-Oct-15 A	02-Jan-17 A																																
CT10160	Permitting - South Dade 54" PCCP FM Rehab	0		02-Jan-17 A																																
CT50690	EPA Compliance Date for Permitting - South Dade 54" PCCP FM Rehab	129	14-Oct-15 A	19-Feb-16 A																																
<b>Procurement</b>																																				
CT71350	EPA Start Date for Procurement - South Dade 54" PCCP FM Rehab	0	07-Apr-15 A	15-Dec-16 A																																
CT10240	Procurement - South Dade 54" PCCP FM Rehab	618	07-Apr-15 A	15-Dec-16 A																																
CT50700	EPA Compliance Date for Procurement - South Dade 54" PCCP FM Rehab	116	03-Jun-16 A	26-Sep-16 A																																
<b>Construction</b>																																				
CT71360	EPA Start Date for Construction - South Dade 54" PCCP FM Rehab	826	26-Sep-16 A	23-Dec-18 A																																

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
CT10320	Construction - South Dade 54" PCCP FM Rehab	428	26-Sep-16 A	14-Sep-18 A	Construction - South Dade 54" PCCP FM Rehab																							
CT10390	Substantial Completion (CD Compliance Date 12/23/18) - South Dade 54" PCCP FM Rehab	0		14-Sep-18 A	Substantial Completion (CD Compliance Date 12/23/18) - South Dade 54" PCCP FM Rehab																							
CT50710	EPA Compliance Date for Construction - South Dade 54" PCCP FM Rehab	0		23-Dec-18 A	EPA Compliance Date for Construction - South Dade 54" PCCP FM Rehab																							
<b>4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)</b>					<b>4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)</b>																							
<b>Engineering Design</b>					<b>Engineering Design</b>																							
CT12001	30% Design Submittal - 48/54 Inch FM (Phase 1)	208	05-Aug-14 A	28-Feb-15 A	30% Design Submittal - 48/54 Inch FM (Phase 1)																							
CT22220	30% Submittal Review - 48/54 Inch FM (Phase 1)	137	02-Mar-15 A	16-Jul-15 A	30% Submittal 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	60% Design Submittal - 48/54 Inch FM (Phase 1)																							
CT22610	60% Design Review - 48/54 Inch FM (Phase 1)	19	25-Jul-15 A	12-Aug-15 A	60% Design Review - 48/54 Inch FM (Phase 1)																							
CT22570	90% Design Submittal - 48/54 Inch FM (Phase 1)	30	13-Aug-15 A	11-Sep-15 A	90% Design Submittal - 48/54 Inch FM (Phase 1)																							
CT80410	Engineering Design - 48/54 Inch FM (Phase 1)	423	05-Aug-14 A	01-Oct-15 A	Engineering Design - 48/54 Inch FM (Phase 1)																							
CT38110	90% Submittal Review - 48/54 Inch FM (Phase 1)	18	14-Sep-15 A	01-Oct-15 A	90% Submittal Review - 48/54 Inch FM (Phase 1)																							
<b>Permitting</b>					<b>Permitting - 48/54 Inch FM (Phase 1)</b>																							
CT12021	Permitting - 48/54 Inch FM (Phase 1)	128	14-Oct-15 A	19-Feb-16 A	Permitting - 48/54 Inch FM (Phase 1)																							
<b>Procurement</b>					<b>Procurement - 48/54 Inch FM (Phase 1)</b>																							
CT30011	Submit/Approve SBD Goals and Request to Advertise - 48/54 Inch FM (Phase 1)	47	21-Mar-16 A	06-May-16 A	Submit/Approve SBD Goals and Request to Advertise - 48/54 Inch FM (Phase 1)																							
CT38060	Pre-Purchase Bid Package - 48/54 Inch FM (Phase 1)	39	25-Apr-16 A	02-Jun-16 A	Pre-Purchase Bid Package - 48/54 Inch FM (Phase 1)																							
CT30001	Design Documents Sent to Procurement - 48/54 Inch FM (Phase 1)	0	03-Jun-16 A		Design Documents Sent to Procurement - 48/54 Inch FM (Phase 1)																							
CT38070	Advertise Pre-Purchase Package - 48/54 Inch FM (Phase 1)	0	03-Jun-16 A		Advertise Pre-Purchase Package - 48/54 Inch FM (Phase 1)																							
CT30021	Advertise Bid Package - 48/54 Inch FM (Phase 1)	0	17-Jun-16 A		Advertise Bid Package - 48/54 Inch FM (Phase 1)																							
CT30031	Bid Solicitation Period - 48/54 Inch FM (Phase 1)	40	17-Jun-16 A	26-Jul-16 A	Bid Solicitation Period - 48/54 Inch FM (Phase 1)																							
CT30041	Bids Due - 48/54 Inch FM (Phase 1)	0	27-Jul-16 A		Bids Due - 48/54 Inch FM (Phase 1)																							
CT38100	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)																							
CT38080	Vendor NTP - 48/54 Inch FM (Phase 1)	0		28-Jul-16 A	Vendor NTP - 48/54 Inch FM (Phase 1)																							
CT30051	Bid Review Period - 48/54 Inch FM (Phase 1)	48	27-Jul-16 A	12-Sep-16 A	Bid Review Period - 48/54 Inch FM (Phase 1)																							
CT30061	Award Recommendation - 48/54 Inch FM (Phase 1)	0		12-Sep-16 A	Award Recommendation - 48/54 Inch FM (Phase 1)																							
CT12011	Procurement - 48/54 Inch FM (Phase 1)	116	03-Jun-16 A	26-Sep-16 A	Procurement - 48/54 Inch FM (Phase 1)																							
CT30071	Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)	14	13-Sep-16 A	26-Sep-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)																							
CT30270	Pre-Purchase 54" Pipe & Valves - 48/54 Inch FM (Phase 1)	528	25-Apr-16 A	30-Oct-17 A	Pre-Purchase 54" Pipe & Valves - 48/54 Inch FM (Phase 1)																							
CT38090	Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings - 48/54 Inch FM (Phase 1)	433	29-Jul-16 A	30-Oct-17 A	Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings - 48/54 Inch FM (Phase 1)																							
<b>Construction</b>					<b>Construction - 48/54 Inch FM (Phase 1)</b>																							
CT30081	Contractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)	0	19-Oct-16 A		Contractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)																							
CT12091	Transfer of 4.05(2) to WASD - 8/54 Inch FM	0		02-Dec-16 A	Transfer of 4.05(2) to WASD - 8/54 Inch FM																							
CT12031	Construction - 48/54 Inch FM (Phase 1)	405	19-Oct-16 A	14-Sep-18 A	Construction - 48/54 Inch FM (Phase 1)																							
CT81120	Commissioning - 48/54 Inch FM (Phase 1)	30	21-May-18 A	14-Sep-18 A	Commissioning - 48/54 Inch FM (Phase 1)																							
CT12041	Substantial Completion Phase 1 (CD Compliance Date 12/23/18) - 48/54 Inch FM (Phase 1)	0		14-Sep-18 A	Substantial Completion Phase 1 (CD Compliance Date 12/23/18) - 48/54 Inch FM (Phase 1)																							
CT40400	Project Closeout - 48/54 Inch FM (Phase 1)	90	15-Sep-18 A	30-Oct-19	Project Closeout - 48/54 Inch FM (Phase 1)																							
<b>Project Administration</b>					<b>Project Administration - 48/54 Inch FM (Phase 1)</b>																							
CT38420	WASD Project Administration - 48/54 Inch FM (Phase 1)	1301	05-Aug-14 A	30-Oct-19	WASD Project Administration - 48/54 Inch FM (Phase 1)																							
<b>4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave</b>					<b>4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave</b>																							
<b>Engineering Design</b>					<b>Engineering Design</b>																							
CT10040	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	387	11-Dec-12 A	02-Jan-14 A	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT71370	EPA Start Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	0	01-Oct-13 A		EPA Start Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT50720	EPA Compliance Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-14 A	EPA Compliance Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing																							
<b>Permitting</b>					<b>Permitting - Replace Tamiami Canal/NW 37 Ave Crossing</b>																							
CT10120	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	61	12-Mar-13 A	11-May-13 A	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT71380	EPA Start Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-14 A		EPA Start Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT50730	EPA Compliance Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-15 A	EPA Compliance Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing																							
<b>Procurement</b>					<b>Procurement - Replace Tamiami Canal/NW 37 Ave Crossing</b>																							
CT10200	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	144	13-May-13 A	03-Oct-13 A	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT71390	EPA Start Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-15 A		EPA Start Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT50740	EPA Compliance Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-16 A	EPA Compliance Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing																							
<b>Construction</b>					<b>Construction - Replace Tamiami Canal/NW 37 Ave Crossing</b>																							
CT10280	Construction - Replace Tamiami Canal/NW 37 Ave Crossing	233	07-Oct-13 A	27-May-14 A	Construction - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT10350	Substantial Completion (CD Compliance Date 10/29/2016) - Replace Tamiami Canal/NW 37 Ave Crossing	0		27-May-14 A	Substantial Completion (CD Compliance Date 10/29/2016) - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT71400	EPA Start Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-16 A		EPA Start Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing																							
CT50750	EPA Compliance Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing	0		29-Oct-16 A	EPA Compliance Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing																							
<b>Project Administration</b>					<b>Project Administration - Replace Tamiami Canal/NW 37 Ave Crossing</b>																							
CT80790	WASD Project Administration - Replace Tamiami Canal/NW 37 Ave Crossing	532	11-Dec-12 A	27-May-14 A	WASD Project Administration - Replace Tamiami Canal/NW 37 Ave Crossing																							
<b>4.07 Replacement of 18 inch DIP FM in Miami Lakes</b>					<b>4.07 Replacement of 18 inch DIP FM in Miami Lakes</b>																							
<b>Engineering Design</b>					<b>Engineering Design</b>																							
CT71410	EPA Start Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0	01-Nov-13 A		EPA Start Date for Engineering Design - Replace 18" DIP FM in Miami Lakes																							
CT10090	Engineering Design - Replace 18" DIP FM in Miami Lakes	789	11-Mar-12 A	08-May-14 A	Engineering Design - Replace 18" DIP FM in Miami Lakes																							
CT50760	EPA Compliance Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0		08-May-14 A	EPA Compliance Date for Engineering Design - Replace 18" DIP FM in Miami Lakes																							
<b>Permitting</b>					<b>Permitting - Replace 18" DIP FM in Miami Lakes</b>																							
CT71420	EPA Start Date for Permitting - Replace 18" DIP FM in Miami Lakes	0	09-Jun-14 A		EPA Start Date for Permitting - Replace 18" DIP FM in Miami Lakes																							
CT10140	Permitting - Replace 18" DIP FM in Miami Lakes	137	09-Jun-14 A	23-Oct-14 A	Permitting - Replace 18" DIP FM in Miami Lakes																							
CT50770	EPA Compliance Date for Permitting - Replace 18" DIP FM in Miami Lakes	0		05-Mar-15 A	EPA Compliance Date for Permitting - Replace 18" DIP FM in Miami Lakes																							
<b>Procurement</b>					<b>Procurement - Replace 18" DIP FM in Miami Lakes</b>																							
CT71430	EPA Start Date for Procurement - Replace 18" DIP FM in Miami Lakes	497	24-Oct-14 A	04-Mar-16 A	EPA Start Date for 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	Procurement - Replace 18" DIP FM in Miami Lakes																							
CT50780	EPA Compliance Date for Procurement - Replace 18" DIP FM in Miami Lakes	0		04-Mar-16 A	EPA Compliance Date for Procurement - Replace 18" DIP FM in Miami Lakes																							
<b>Construction</b>					<b>Construction - Replace 18" DIP FM in Miami Lakes</b>																							
		677	02-Jun-15 A	09-Apr-17 A	Construction - Replace 18" DIP FM in Miami Lakes																							



Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																											
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
CT10300	Construction - Replace 18" DIP FM in Miami Lakes	189	02-Jun-15 A	07-Dec-15 A	Construction - Replace 18" DIP FM in Miami Lakes																											
CT10370	Substantial Completion (CD Compliance Date 4/09/17) - Replace 18" DIP FM in Miami Lakes	0		07-Dec-15 A	Substantial Completion (CD Compliance Date 4/09/17) - Replace 18" DIP FM in Miami Lakes																											
CT71440	EPA Start Date for Construction - Replace 18" DIP FM in Miami Lakes	0	05-Mar-16 A		EPA Start Date for Construction - Replace 18" DIP FM in Miami Lakes																											
CT40420	Project Closeout - Replace 18" DIP FM in Miami Lakes	220	08-Dec-15 A	14-Jul-16 A	Project Closeout - Replace 18" DIP FM in Miami Lakes																											
CT50790	EPA Compliance Date for Construction - Replace 18" DIP FM in Miami Lakes	0		09-Apr-17 A	EPA Compliance Date for Construction - Replace 18" DIP FM in Miami Lakes																											
<b>Project Administration</b>					14-Jul-16 A, Project Administration																											
CT38400	WASD Project Administration - Replace 18" DIP FM in Miami Lakes	1586	11-Mar-12 A	14-Jul-16 A	WASD Project Administration - Replace 18" DIP FM in Miami Lakes																											
<b>4.08 Rehabilitation of 54 inch PCCP FM in the City</b>					31-Dec-19, 4.08 Rehabilitation of 54 inch PCCP FM in the City																											
<b>Engineering Design</b>					11-Nov-15 A, Engineering Design																											
CT71450	EPA Start Date for Engineering Design - Rehab 54" PCCP FM in the City**	0	06-Oct-14 A		EPA Start Date for Engineering Design - Rehab 54" PCCP FM in the City**																											
CT50800	EPA Compliance Date for Engineering Design - Rehab 54" PCCP FM in the City**	0		03-Apr-15 A	EPA Compliance Date for Engineering Design - Rehab 54" PCCP FM in the City**																											
CT10080	Engineering Design (DCP) - Rehab 54" PCCP FM in the City	245	12-Mar-15 A	11-Nov-15 A	Engineering Design (DCP) - Rehab 54" PCCP FM in the City																											
<b>Permitting</b>					29-Dec-15 A, Permitting																											
CT71460	EPA Start Date for Permitting - Rehab 54" PCCP FM in the City**	0	04-Apr-15 A		EPA Start Date for Permitting - Rehab 54" PCCP FM in the City**																											
CT10130	Permitting - Rehab 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	Permitting - Rehab 54" PCCP FM in the City																											
CT50820	EPA Compliance Date for Permitting - Rehab 54" PCCP FM in the City	0		29-Dec-15 A	EPA Compliance Date for Permitting - Rehab 54" PCCP FM in the City																											
<b>Procurement</b>					26-Sep-16 A, Procurement																											
CT71470	EPA Start Date for Procurement - Rehab 54" PCCP FM in the City**	0	06-Mar-15 A		EPA Start Date for Procurement - Rehab 54" PCCP FM in the City**																											
CT50810	10/25/18	0		08-Jul-16 A	10/25/18																											
CT10210	Procurement - Rehab 54" PCCP FM in the City	248	23-Jan-16 A	26-Sep-16 A	Procurement - Rehab 54" PCCP FM in the City																											
<b>Construction</b>					16-Jun-17 A, Construction																											
CT71480	EPA Start Date for Construction - Rehab 54" PCCP FM in the City**	0	20-Sep-16 A		EPA Start Date for Construction - Rehab 54" PCCP FM in the City**																											
CT50830	EPA Compliance Date for Construction - Rehab 54" PCCP FM in the City**	0		09-Apr-17 A	EPA Compliance Date for Construction - Rehab 54" PCCP FM in the City**																											
CT10290	Construction - Rehab 54" PCCP FM in the City	263	27-Sep-16 A	16-Jun-17 A	Construction - Rehab 54" PCCP FM in the City																											
<b>4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)</b>					16-Jun-17 A, 4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)																											
<b>Pre-Design</b>					Design																											
CT22070	Pre-Design - Rehab 2 Miles of 54" PCCP FM in the City	135	27-Oct-14 A	11-Mar-15 A	Pre-Design - Rehab 2 Miles of 54" PCCP FM in the City																											
<b>Engineering Design</b>					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	Basis of Design 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	BODR Design 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	As-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	Negotiate Scope & Fee of 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	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 - Rehab 2 Miles of 54" PCCP FM in the City																											
<b>Permitting</b>					11-Jul-15 A, Permitting																											
CT22110	Permitting - Rehab 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	Permitting - Rehab 2 Miles of 54" PCCP FM in the City																											
<b>Procurement</b>					26-Sep-16 A, Procurement																											
CT33021	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City	21	23-Jan-16 A	12-Feb-16 A	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City																											
CT33011	Design Documents Sent to Procurement - Rehab 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A		Design Documents Sent to Procurement - Rehab 2 Miles of 54" PCCP FM in the City																											
CT33031	Advertise Bid Package - Rehab 2 Miles of 54" PCCP FM in the City	0	25-May-16 A		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	06-Jul-16 A	Bid Solicitation Period - Rehab 2 Miles of 54" PCCP FM in the City																											
CT33051	Bids Due - Rehab 2 Miles of 54" PCCP FM in the City	0	07-Jul-16 A		Bids Due - Rehab 2 Miles of 54" PCCP FM in the City																											
CT33061	Bid Review Period - Rehab 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A	Bid Review Period - Rehab 2 Miles of 54" PCCP FM in the City																											
CT33071	Award Recommendation - Rehab 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A	Award Recommendation - Rehab 2 Miles of 54" PCCP FM in the City																											
CT50940	Bid Protest - Rehab 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A	Bid Protest - Rehab 2 Miles of 54" PCCP FM in the City																											
CT22120	Procurement - Rehab 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A	Procurement - Rehab 2 Miles of 54" PCCP FM in the City																											
CT33081	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP FM in the City	3	24-Sep-16 A	26-Sep-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP FM in the City																											
<b>Construction</b>					16-Jun-17 A, Construction																											
CT33091	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City	0	27-Sep-16 A		Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City																											
CT22650	Construction - Rehab 2 Miles of 54" PCCP FM in the City	263	27-Sep-16 A	28-May-17 A	Construction - 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	0		16-Jun-17 A	Substantial Completion (CD Compliance Date 05/28/17) - Rehab 2 Miles of 54" PCCP FM in the City																											
<b>Project Administration</b>					16-Jun-17 A, Project Administration																											
CT38390	WASD Project Administration - Rehab 2 Miles of 54" PCCP FM in the City	828	12-Mar-15 A	16-Jun-17 A	WASD Project Administration - Rehab 2 Miles of 54" PCCP FM in the City																											
<b>4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)</b>					31-Dec-19, 4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)																											
<b>Pre-Design</b>					Design																											
CT22660	Pre-Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	135	27-Oct-14 A	11-Mar-15 A	Pre-Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
<b>Engineering Design</b>					18-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	Basis of Design 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	BODR Design Review - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT80430	Engineering Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	373	12-Mar-15 A	18-Mar-16 A	Engineering Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT22710	Develop Performance Specifications - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	170	01-Oct-15 A	18-Mar-16 A	Develop Performance Specifications - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
<b>Permitting</b>					11-Jul-15 A, Permitting																											
CT22740	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	22	01-Jul-15 A	22-Jul-15 A	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
<b>Procurement</b>					26-Sep-16 A, Procurement																											
CT35200	Submit/Approve SBD Goals and Request to Advertise - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	21	23-Jan-16 A	12-Feb-16 A	Submit/Approve SBD Goals and Request to Advertise - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT35190	Design Documents Sent to Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A		Design Documents Sent to Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT35210	Advertise Bid Package - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	25-May-16 A		Advertise Bid Package - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT35220	Bid Solicitation Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	43	25-May-16 A	06-Jul-16 A	Bid Solicitation Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT35230	Bids Due - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	07-Jul-16 A		Bids Due - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT35240	Bid Review Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A	Bid Review Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT35250	Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A	Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT50950	Bid Protest - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A	Bid Protest - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											
CT22750	Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A	Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																											





Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Engineering Design</b>					ep-15 A, Engineering Design																																	
CT31001	30% Design Submittal - 4.09 (20-21)	34	01-May-15 A	03-Jun-15 A	Submittal - 4.09 (20-21)																																	
CT31011	60% Design Submittal - 4.09 (20-21)	28	04-Jun-15 A	01-Jul-15 A	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)																																	
<b>Permitting</b>					21-Dec-15 A, Permitting																																	
CT12411	Permitting - 4.09 (20-21)	83	29-Sep-15 A	21-Dec-15 A	Permitting - 4.09 (20-21)																																	
<b>Procurement</b>					09-Jun-16 A, Procurement																																	
CT35370	100% Design Documents Sent to Procurement - 4.09 (20-21)	170	22-Dec-15 A	09-Jun-16 A	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 Advertise - 4.09 (20-21)																																	
CT35390	Advertise Bid Package - 4.09 (20-21)	0	07-Mar-16 A		◆ Advertise 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 (20-21)																																	
CT35410	Bids Due - 4.09 (20-21)	0	06-Apr-16 A		◆ 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		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	■ Final Approvals - 4.09 (20-21)																																	
CT50960	P.O. Issued - 4.09 (20-21)	0		09-Jun-16 A	◆ P.O. Issued - 4.09 (20-21)																																	
<b>Construction</b>					31-Jul-19, Construction																																	
CT35450	Contractor Notice to Proceed (NTP) - 4.09 (20-21)	0	22-Aug-16 A		◆ Contractor Notice to Proceed (NTP) - 4.09 (20-21)																																	
CT12431	Construction - 4.09 (20-21)	197	22-Aug-16 A	06-Mar-17 A	Construction - 4.09 (20-21)																																	
CT12441	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (20-21)	0		06-Mar-17 A	◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (20-21)																																	
CT40470	Project Closeout - 4.09 (20-21)	212	07-Mar-17 A	31-Jul-19	Project Closeout - 4.09 (20-21)																																	
<b>Project Administration</b>					31-Jul-19, Project Administration																																	
CT38350	WASD Project Administration - 4.09 (20-21)	888	01-May-15 A	31-Jul-19	WASD Project Administration - 4.09 (20-21)																																	
<b>4.09 (22) Replacement of 2,013 LF of 6" ACP FM from PS#358 to PS#0352</b>					02-Aug-18 A, 4.09 (22) Replacement of 2,013 LF of 6" ACP FM from PS#358 to PS#0352																																	
<b>Pre-Design</b>					Pre-Design																																	
CT22280	Pre-Design - 4.09 (22)	180	01-Nov-14 A	30-Apr-15 A	Pre-Design - 4.09 (22)																																	
<b>Engineering Design</b>					A, Engineering Design																																	
CT37360	30% Design Submittal - 4.09 (22)	87	01-May-15 A	27-Jul-15 A	Submittal - 4.09 (22)																																	
CT37370	60% Design Submittal - 4.09 (22)	29	01-May-15 A	29-May-15 A	n Submittal - 4.09 (22)																																	
CT37380	90% Design Submittal - 4.09 (22)	26	01-Jun-15 A	26-Jun-15 A	ign Submittal - 4.09 (22)																																	
CT12451	Engineering Design - 4.09 (22)	29	29-Jun-15 A	27-Jul-15 A	ing Design - 4.09 (22)																																	
<b>Permitting</b>					18-Dec-15 A, Permitting																																	
CT12461	Permitting - 4.09 (22)	126	14-Aug-15 A	18-Dec-15 A	Permitting - 4.09 (22)																																	
<b>Procurement</b>					20-May-16 A, Procurement																																	
CT35460	Design Documents Sent to Procurement - 4.09 (22)	154	18-Dec-15 A	20-May-16 A	Design Documents Sent to Procurement - 4.09 (22)																																	
CT35470	Submit/Approve SBD Goals and Request to Advertise - 4.09 (22)	0	18-Dec-15 A	06-Mar-16 A	■ Submit/Approve SBD Goals and Request to Advertise - 4.09 (22)																																	
CT35480	Advertise Bid Package - 4.09 (22)	80	07-Mar-16 A		◆ Advertise Bid Package - 4.09 (22)																																	
CT35490	Bid Solicitation Period - 4.09 (22)	0	07-Mar-16 A	03-Apr-16 A	■ Bid Solicitation Period - 4.09 (22)																																	
CT35500	Bids Due - 4.09 (22)	28	04-Apr-16 A		◆ Bids 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)																																	
<b>Construction</b>					02-Aug-18 A, Construction																																	
CT35540	Contractor Notice to Proceed (NTP) - 4.09 (22)	363	03-Oct-16 A	02-Aug-18 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)																																	
<b>Project Administration</b>					02-Aug-18 A, Project Administration																																	
CT38340	WASD Project Administration - 4.09 (22)	884	01-May-15 A	02-Aug-18 A	WASD Project Administration - 4.09 (22)																																	
<b>4.09 (23) Replacment of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St &amp; 286LF Along 187 Ave.</b>					14-Dec-15 A, Pre-Design																																	
<b>Pre-Design</b>					Pre-Design - 4.09 (23)																																	
CT22290	Pre-Design - 4.09 (23)	1265	03-Jun-15 A	14-Mar-19 A	Pre-Design - 4.09 (23)																																	
<b>Engineering Design</b>					27-Jul-16 A, Engineering Design																																	
CT35001	30% Design Submittal - 4.09 (23)	194	03-Jun-15 A	14-Dec-15 A	30% Design Submittal - 4.09 (23)																																	
CT35011	60% Design Submittal - 4.09 (23)	195	03-Jun-15 A	14-Dec-15 A	60% Design Submittal - 4.09 (23)																																	
CT12501	Engineering Design - 4.09 (23)	226	14-Dec-15 A	27-Jul-16 A	Engineering Design - 4.09 (23)																																	
CT35021	90% Design Submittal - 4.09 (23)	71	17-Dec-15 A	25-Feb-16 A	90% Design Submittal - 4.09 (23)																																	
CT50310	90% Design Review - 4.09 (23)	30	25-Feb-16 A	25-Mar-16 A	90% Design Review - 4.09 (23)																																	
CT50540	100% Design Submittal Permit Ready - 4.09 (23)	137	14-Dec-15 A	28-Apr-16 A	100% Design Submittal Permit Ready - 4.09 (23)																																	
<b>Permitting</b>					28-Oct-16 A, Permitting																																	
CT50230	Public Works Permit - 4.09 (23)	34	26-Mar-16 A	28-Apr-16 A	Public Works Permit - 4.09 (23)																																	
CT12511	Permitting - 4.09 (23)	8	29-Apr-16 A	06-May-16 A	Permitting - 4.09 (23)																																	
CT50220	RER DERM Permit - 4.09 (23)	82	07-May-16 A	27-Jul-16 A	RER DERM Permit - 4.09 (23)																																	
<b>Procurement</b>					07-Dec-17 A, Procurement																																	
CT80270	GMOU submittal and approval - 4.09 (23)	92	28-Jul-16 A	27-Oct-16 A	GMOU submittal and approval - 4.09 (23)																																	
CT80290	Internal Bid Package Review - 4.09 (23)	93	28-Jul-16 A	28-Oct-16 A	Internal Bid Package Review - 4.09 (23)																																	
CT35550	Design Documents Sent to Procurement - 4.09 (23)	93	28-Jul-16 A	28-Oct-16 A	Design Documents Sent to Procurement - 4.09 (23)																																	
CT35560	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)	380	02-Dec-16 A	07-Dec-17 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)																																	
CT35570	Advertise Bid Package - 4.09 (23)	23	02-Dec-16 A	24-Dec-16 A	◆ Advertise Bid Package - 4.09 (23)																																	



Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CT50480	RER DERM/FDEP Permit - 4.09 (29-31)	362	13-May-16 A	09-May-17 A	RER DERM/FDEP Permit - 4.09 (29-31)																																	
<b>Procurement</b>					22-Sep-17 A, Procurement																																	
CT80280	GMOU submittal and approval - 4.09 (29-31)	21	01-Mar-17 A	21-Mar-17 A	GMOU submittal and approval - 4.09 (29-31)																																	
CT80180	Internal Bid Package Review - 4.09 (29-31)	12	21-Apr-17 A	02-May-17 A	Internal Bid Package Review - 4.09 (29-31)																																	
CT35910	Design Documents Sent to Procurement - 4.09 (29-31)	0	03-May-17 A		Design Documents Sent to Procurement - 4.09 (29-31)																																	
CT35920	Submit/Approve SBD Goals and Request to Advertise - 4.09 (29-31)	22	03-May-17 A	24-May-17 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (29-31)																																	
CT35930	Advertise Bid Package - 4.09 (29-31)	0	25-May-17 A		Advertise Bid Package - 4.09 (29-31)																																	
CT35940	Bid Solicitation Period - 4.09 (29-31)	54	25-May-17 A	17-Jul-17 A	Bid Solicitation Period - 4.09 (29-31)																																	
CT35950	Bids Due - 4.09 (29-31)	0	18-Jul-17 A		Bids Due - 4.09 (29-31)																																	
CT35960	Bid Review Period - 4.09 (29-31)	29	18-Jul-17 A	15-Aug-17 A	Bid Review Period - 4.09 (29-31)																																	
CT35970	Award Recommendation - 4.09 (29-31)	0		15-Aug-17 A	Award Recommendation - 4.09 (29-31)																																	
CT12771	Procurement - 4.09 (29-31)	166	03-May-17 A	22-Sep-17 A	Procurement - 4.09 (29-31)																																	
CT35980	Final Approvals - 4.09 (29-31)	61	16-Aug-17 A	22-Sep-17 A	Final Approvals - 4.09 (29-31)																																	
<b>Construction</b>					28-Nov-19, Construction																																	
CT35990	Contractor Notice to Proceed (NTP) - 4.09 (29-31)	0	05-Mar-18 A		Contractor Notice to Proceed (NTP) - 4.09 (29-31)																																	
CT12781	Construction - 4.09 (29-31)	320	05-Mar-18 A	30-Aug-19	Construction - 4.09 (29-31)																																	
CT12791	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29-31)	0		30-Aug-19*	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29-31)																																	
CT40540	Project Closeout - 4.09 (29-31)	90	31-Aug-19	28-Nov-19*	Project Closeout - 4.09 (29-31)																																	
<b>Project Administration</b>					28-Nov-19, Project Administration																																	
CT38280	WASD Project Administration - 4.09 (29-31)	1522	30-Sep-14 A	28-Nov-19	WASD Project Administration - 4.09 (29-31)																																	
<b>4.09 (32) Replacement of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd</b>					05-Apr-19 A, 4.09 (32) Replacement of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd																																	
<b>Pre-Design</b>					30-Apr-15 A, Pre-Design																																	
CT22340	Pre-Design - 4.09 (32)	155	26-Nov-14 A	30-Apr-15 A	Pre-Design - 4.09 (32)																																	
<b>Engineering Design</b>					12-Aug-15 A, Engineering Design																																	
CT37420	30% Design Submittal - 4.09 (32)	55	01-May-15 A	24-Jun-15 A	30% Design Submittal - 4.09 (32)																																	
CT37430	60% Design Submittal - 4.09 (32)	27	25-Jun-15 A	21-Jul-15 A	60% Design Submittal - 4.09 (32)																																	
CT37440	90% Design Submittal - 4.09 (32)	22	22-Jul-15 A	12-Aug-15 A	90% Design Submittal - 4.09 (32)																																	
CT12801	Engineering Design - 4.09 (32)	103	01-May-15 A	12-Aug-15 A	Engineering Design - 4.09 (32)																																	
<b>Permitting</b>					21-Dec-15 A, Permitting																																	
CT12811	Permitting - 4.09 (32)	84	28-Sep-15 A	21-Dec-15 A	Permitting - 4.09 (32)																																	
<b>Procurement</b>					22-Aug-16 A, Procurement																																	
CT36000	Design Documents Sent to Procurement - 4.09 (32)	0	22-Dec-15 A		Design Documents Sent to Procurement - 4.09 (32)																																	
CT36010	Submit/Approve SBD Goals and Request to Advertise - 4.09 (32)	84	22-Dec-15 A	14-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (32)																																	
CT36020	Advertise Bid Package - 4.09 (32)	0	15-Mar-16 A		Advertise Bid Package - 4.09 (32)																																	
CT36030	Bid Solicitation Period - 4.09 (32)	30	15-Mar-16 A	13-Apr-16 A	Bid Solicitation Period - 4.09 (32)																																	
CT36040	Bids Due - 4.09 (32)	0	14-Apr-16 A		Bids Due - 4.09 (32)																																	
CT36050	Bid Review Period - 4.09 (32)	15	14-Apr-16 A	28-Apr-16 A	Bid Review Period - 4.09 (32)																																	
CT36060	Award Recommendation - 4.09 (32)	0		28-Apr-16 A	Award Recommendation - 4.09 (32)																																	
CT12821	Procurement - 4.09 (32)	245	22-Dec-15 A	22-Aug-16 A	Procurement - 4.09 (32)																																	
CT36070	Final Approvals - 4.09 (32)	117	28-Apr-16 A	22-Aug-16 A	Final Approvals - 4.09 (32)																																	
CT51020	P.O. Issued - 4.09 (32)	0		22-Aug-16 A	P.O. Issued - 4.09 (32)																																	
<b>Construction</b>					05-Apr-19 A, Construction																																	
CT36080	Contractor Notice to Proceed (NTP) - 4.09 (32)	0	14-Feb-17 A		Contractor Notice to Proceed (NTP) - 4.09 (32)																																	
CT12831	Construction - 4.09 (32)	242	14-Feb-17 A	13-Oct-17 A	Construction - 4.09 (32)																																	
CT12841	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (32)	0		13-Oct-17 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (32)																																	
CT40550	Project Closeout - 4.09 (32)	90	14-Oct-17 A	05-Apr-19 A	Project Closeout - 4.09 (32)																																	
<b>Project Administration</b>					05-Apr-19 A, Project Administration																																	
CT38270	WASD Project Administration - 4.09 (32)	987	01-May-15 A	05-Apr-19 A	WASD Project Administration - 4.09 (32)																																	
<b>4.09 (33) Replace 1701 LF 4" ACP from PVT PS at SW104th Ave. &amp; 169th St. to MH42 at SW103rd Ave.</b>					31-Aug-18 A, 4.09 (33) Replace 1701 LF 4" ACP from PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.																																	
<b>Engineering Design</b>					25-Apr-16 A, Engineering Design																																	
CT12851	Engineering Design - 4.09 (33)	73	12-Feb-16 A	25-Apr-16 A	Engineering Design - 4.09 (33)																																	
<b>Permitting</b>					20-Jun-16 A, Permitting																																	
CT50300	Miami Dade Public Works Permit - 4.09 (33)	29	28-Apr-16 A	26-May-16 A	Miami Dade Public Works Permit - 4.09 (33)																																	
CT12861	Permitting - 4.09 (33)	54	28-Apr-16 A	20-Jun-16 A	Permitting - 4.09 (33)																																	
CT50290	RER (DERM) / FDEP Permit - 4.09 (33)	42	10-May-16 A	20-Jun-16 A	RER (DERM) / FDEP Permit - 4.09 (33)																																	
<b>Construction</b>					13-Oct-16 A, Construction																																	
CT12881	Construction (WASD House) - 4.09 (33)	12	01-Aug-16 A	12-Aug-16 A	Construction (WASD House) - 4.09 (33)																																	
CT12891	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (33)	0		12-Aug-16 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (33)																																	
CT40560	Project Closeout - 4.09 (33)	436	13-Aug-16 A	13-Oct-16 A	Project Closeout - 4.09 (33)																																	
<b>Project Administration</b>					31-Aug-18 A, Project Administration																																	
CT38260	WASD Project Administration - 4.09 (33)	23	31-Aug-18 A	31-Aug-18 A	WASD Project Administration - 4.09 (33)																																	
<b>4.09 (34-43) Replace ACP DM with 8" &amp; 12" DI FM from SW108 P/SW177 St to SW95 Ave</b>					07-Apr-20, 4.09 (34-43) Replace ACP DM with 8" & 12" DI FM from SW108 P/SW177 St to SW95 Ave																																	
<b>Pre-Design</b>					23-Sep-16 A, Pre-Design																																	
CT22370	Pre-Design - 4.09 (34-43)	338	21-Oct-15 A	23-Sep-16 A	Pre-Design - 4.09 (34-43)																																	
<b>Engineering Design</b>					10-May-18 A, Engineering Design																																	
CT37880	30% Design Submittal - 4.09 (34-43)	90	23-Sep-16 A	21-Dec-16 A	30% Design Submittal - 4.09 (34-43)																																	
CT50430	30% Design Review - 4.09 (34-43)	37	22-Dec-16 A	27-Jan-17 A	30% Design Review - 4.09 (34-43)																																	
CT37890	60% Design Submittal - 4.09 (34-43)	39	28-Jan-17 A	07-Mar-17 A	60% Design Submittal - 4.09 (34-43)																																	
CT50440	60% Design Review - 4.09 (34-43)	48	08-Mar-17 A	24-Apr-17 A	60% Design Review - 4.09 (34-43)																																	
CT37900	90% Design Submittal - 4.09 (34-43)	39	25-Apr-17 A	02-Jun-17 A	90% Design Submittal - 4.09 (34-43)																																	
CT50320	90% Design Review - 4.09 (34-43)	138	05-Jun-17 A	20-Oct-17 A	90% Design Review - 4.09 (34-43)																																	
CT12951	Engineering Design - 4.09 (34-43)	420	23-Sep-16 A	10-May-18 A	Engineering Design - 4.09 (34-43)																																	
CT80510	100% Design/Permit Ready Submittal - 4.09 (34-43)	27	21-Oct-17 A	10-May-18 A	100% Design/Permit Ready Submittal - 4.09 (34-43)																																	

Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Permitting</b>					415 10-Mar-17 A 29-Aug-18 A																																	
CT81070	MDCPW Permit - 4.09 (34-43)	45	10-Mar-17 A	11-Apr-17 A	MDCPW Permit - 4.09 (34-43)																																	
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 (34-43)																																	
CT50560	Submittal of Municipality Permit - 4.09 (34-43)	0	26-May-17 A		Submittal of Municipality Permit - 4.09 (34-43)																																	
CT12961	Permitting - 4.09 (34-43)	220	10-Mar-17 A	29-Aug-18 A	Permitting - 4.09 (34-43)																																	
CT50550	RER (DERM) Permit - 4.09 (34-43)	45	15-Aug-17 A	29-Aug-18 A	RER (DERM) Permit - 4.09 (34-43)																																	
<b>Procurement</b>					280 21-May-18 A 20-Dec-18 A																																	
CT80190	Internal Bid Package Review - 4.09 (34-43)	3	21-May-18 A	10-Jul-18 A	Internal Bid Package Review - 4.09 (34-43)																																	
CT36180	Design Documents Sent to Procurement - 4.09 (34-43)	0	11-Jul-18 A		Design Documents Sent to Procurement - 4.09 (34-43)																																	
CT36190	Submit/Approve SBD Goals and Request to Advertise - 4.09 (34-43)	45	11-Jul-18 A	20-Aug-18 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (34-43)																																	
CT36200	Advertise Bid Package - 4.09 (34-43)	0	21-Aug-18 A		Advertise Bid Package - 4.09 (34-43)																																	
CT36210	Bid Solicitation Period - 4.09 (34-43)	45	21-Aug-18 A	24-Sep-18 A	Bid Solicitation Period - 4.09 (34-43)																																	
CT36220	Bids Due - 4.09 (34-43)	0	25-Sep-18 A		Bids Due - 4.09 (34-43)																																	
CT36230	Bid Review Period - 4.09 (34-43)	30	25-Sep-18 A	09-Nov-18 A	Bid Review Period - 4.09 (34-43)																																	
CT36240	Award Recommendation - 4.09 (34-43)	0		09-Nov-18 A	Award Recommendation - 4.09 (34-43)																																	
CT12971	Procurement - 4.09 (34-43)	210	11-Jul-18 A	20-Dec-18 A	Procurement - 4.09 (34-43)																																	
CT36250	Final Approvals - 4.09 (34-43)	34	10-Nov-18 A	20-Dec-18 A	Final Approvals - 4.09 (34-43)																																	
<b>Construction</b>					405 18-Feb-19 A 07-Apr-20																																	
CT36260	Contractor Notice to Proceed (NTP) - 4.09 (34-43)	0	18-Feb-19 A		Contractor Notice to Proceed (NTP) - 4.09 (34-43)																																	
CT12981	Construction - 4.09 (34-43)	365	18-Feb-19 A	17-Feb-20	Construction - 4.09 (34-43)																																	
CT12991	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (34-43)	0		17-Feb-20*	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (34-43)																																	
CT40570	Project Closeout - 4.09 (34-43)	50	18-Feb-20	07-Apr-20*	Project Closeout - 4.09 (34-43)																																	
<b>Project Administration</b>					1005 23-Sep-16 A 07-Apr-20																																	
CT38250	WASD Project Administration - 4.09 (34-43)	1005	23-Sep-16 A	07-Apr-20	WASD Project Administration - 4.09 (34-43)																																	
<b>4.09 (46) Replacement of 157 LF of 6" ACP FM from SW107th Ct/155th St to SW 107th Ave./155th St.</b>					1771 03-Jun-15 A 07-Apr-20																																	
<b>Pre-Design</b>					478 03-Jun-15 A 23-Sep-16 A																																	
CT22400	Pre-Design - 4.09 (46)	479	03-Jun-15 A	23-Sep-16 A	Pre-Design - 4.09 (46)																																	
<b>Engineering Design</b>					462 23-Sep-16 A 30-Apr-18 A																																	
CT37910	30% Design Submittal - 4.9 (46)	90	23-Sep-16 A	21-Dec-16 A	30% Design Submittal - 4.9 (46)																																	
CT50450	30% Design Review - 4.09 (46)	37	22-Dec-16 A	27-Jan-17 A	30% Design Review - 4.09 (46)																																	
CT37920	60% Design Submittal - 4.09 (46)	39	28-Jan-17 A	07-Mar-17 A	60% Design Submittal - 4.09 (46)																																	
CT50460	60% Design Review - 4.09 (46)	48	08-Mar-17 A	24-Apr-17 A	60% Design Review - 4.09 (46)																																	
CT37930	90% Design Submittal - 4.09 (46)	42	25-Apr-17 A	05-Jun-17 A	90% Design Submittal - 4.09 (46)																																	
CT50470	90% Design Review - 4.09 (46)	148	06-Jun-17 A	20-Oct-17 A	90% Design Review - 4.09 (46)																																	
CT13101	Engineering Design - 4.09 (46)	431	23-Sep-16 A	30-Apr-18 A	Engineering Design - 4.09 (46)																																	
CT80520	100% Design/Permit Ready Submittal - 4.09 (46)	27	21-Oct-17 A	30-Apr-18 A	100% Design/Permit Ready Submittal - 4.09 (46)																																	
<b>Permitting</b>					189 10-Mar-17 A 27-Aug-18 A																																	
CT50580	Public Works Permit - 4.09 (46)	90	10-Mar-17 A	11-Apr-17 A	Public Works Permit - 4.09 (46)																																	
CT13111	Permitting - 4.09 (46)	90	10-Mar-17 A	27-Aug-18 A	Permitting - 4.09 (46)																																	
CT50570	RER (DERM) Permit - 4.09 (46)	45	08-Jun-18 A	27-Aug-18 A	RER (DERM) Permit - 4.09 (46)																																	
<b>Procurement</b>					569 15-Aug-17 A 20-Dec-18 A																																	
CT80310	GMOU submittal and approval - 4.09 (46)	22	15-Aug-17 A	05-Sep-17 A	GMOU submittal and approval - 4.09 (46)																																	
CT80200	Internal Bid Package Review - 4.09 (46)	3	21-May-18 A	10-Jul-18 A	Internal Bid Package Review - 4.09 (46)																																	
CT36270	Design Documents Sent to Procurement - 4.09 (46)	0	11-Jul-18 A		Design Documents Sent to Procurement - 4.09 (46)																																	
CT36280	Submit/Approve SBD Goals and Request to Advertise - 4.09 (46)	45	11-Jul-18 A	20-Aug-18 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (46)																																	
CT36290	Advertise Bid Package - 4.09 (46)	0	21-Aug-18 A		Advertise Bid Package - 4.09 (46)																																	
CT36300	Bid Solicitation Period - 4.09 (46)	45	21-Aug-18 A	24-Sep-18 A	Bid Solicitation Period - 4.09 (46)																																	
CT36310	Bids Due - 4.09 (46)	0	25-Sep-18 A		Bids Due - 4.09 (46)																																	
CT36320	Bid Review Period - 4.09 (46)	30	25-Sep-18 A	09-Nov-18 A	Bid Review Period - 4.09 (46)																																	
CT36330	Award Recommendation - 4.09 (46)	0		09-Nov-18 A	Award Recommendation - 4.09 (46)																																	
CT13121	Procurement - 4.09 (46)	210	11-Jul-18 A	20-Dec-18 A	Procurement - 4.09 (46)																																	
CT36340	Final Approvals - 4.09 (46)	34	10-Nov-18 A	20-Dec-18 A	Final Approvals - 4.09 (46)																																	
<b>Construction</b>					405 18-Feb-19 A 07-Apr-20																																	
CT36350	Contractor Notice to Proceed (NTP) - 4.09 (46)	0	18-Feb-19 A		Contractor Notice to Proceed (NTP) - 4.09 (46)																																	
CT13131	Construction - 4.09 (46)	365	18-Feb-19 A	17-Feb-20	Construction - 4.09 (46)																																	
CT13191	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (46)	0		17-Feb-20*	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (46)																																	
CT40590	Project Closeout - 4.09 (46)	50	18-Feb-20	07-Apr-20*	Project Closeout - 4.09 (46)																																	
<b>Project Administration</b>					839 23-Sep-16 A 07-Apr-20																																	
CT38240	WASD Project Administration - 4.09 (46)	839	23-Sep-16 A	07-Apr-20	WASD Project Administration - 4.09 (46)																																	
<b>4.09 (47) Replacement of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.</b>					962 12-Feb-15 A 23-Jan-18 A																																	
<b>Pre-Design</b>					77 12-Feb-15 A 30-Apr-15 A																																	
CT22410	Pre-Design - 4.09 (47)	78	12-Feb-15 A	30-Apr-15 A	Pre-Design - 4.09 (47)																																	
<b>Engineering Design</b>					137 01-May-15 A 15-Sep-15 A																																	
CT37450	30% Design Submittal - 4.09 (47)	54	01-May-15 A	23-Jun-15 A	30% Design Submittal - 4.09 (47)																																	
CT37460	60% Design Submittal - 4.09 (47)	37	24-Jun-15 A	30-Jul-15 A	60% Design Submittal - 4.09 (47)																																	
CT13151	Engineering Design - 4.09 (47)	138	01-May-15 A	15-Sep-15 A	Engineering Design - 4.09 (47)																																	
CT37470	90% Design Submittal - 4.09 (47)	44	03-Aug-15 A	15-Sep-15 A	90% Design Submittal - 4.09 (47)																																	
<b>Permitting</b>					83 29-Sep-15 A 21-Dec-15 A																																	
CT13161	Permitting - 4.09 (47)	84	29-Sep-15 A	21-Dec-15 A	Permitting - 4.09 (47)																																	
<b>Procurement</b>					157 22-Dec-15 A 27-May-16 A																																	
CT36360	Design Documents Sent to Procurement - 4.09 (47)	0	22-Dec-15 A		Design Documents Sent to Procurement - 4.09 (47)																																	
CT36370	Submit/Approve SBD Goals and Request to Advertise - 4.09 (47)	84	22-Dec-15 A	14-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (47)																																	







Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CT13911	Permitting - 4.09 (68)	143	16-Nov-15 A	06-Apr-16 A	Permitting - 4.09 (68)																			
<b>Procurement</b>					29-Jun-16 A, Procurement																			
CT36990	Design Documents Sent to Procurement - 4.09 (68)	0	07-Apr-16 A	29-Jun-16 A	◆ Design Documents Sent to Procurement - 4.09 (68)																			
CT37000	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)																			
CT37010	Advertise Bid Package - 4.09 (68)	0	15-Apr-16 A		◆ Advertise Bid Package - 4.09 (68)																			
CT37020	Bid Solicitation Period - 4.09 (68)	39	15-Apr-16 A	23-May-16 A	■ Bid Solicitation Period - 4.09 (68)																			
CT37030	Bids Due - 4.09 (68)	0	23-May-16 A		◆ Bids Due - 4.09 (68)																			
CT37040	Bid Review Period - 4.09 (68)	3	24-May-16 A	26-May-16 A	Bid Review Period - 4.09 (68)																			
CT37050	Award Recommendation - 4.09 (68)	0	26-May-16 A		◆ Award Recommendation - 4.09 (68)																			
CT13921	Procurement - 4.09 (68)	84	07-Apr-16 A	29-Jun-16 A	Procurement - 4.09 (68)																			
CT37060	Final Approvals - 4.09 (68)	34	27-May-16 A	29-Jun-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)																			
<b>Construction</b>					30-Sep-19, Construction																			
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 Decree) - 4.09 (68)																			
CT40690	Project Closeout - 4.09 (68)	212	15-Mar-17 A	30-Sep-19	Project Closeout - 4.09 (68)																			
<b>Project Administration</b>					30-Sep-19, Project Administration																			
CT38170	WASD Project Administration - 4.09 (68)	1103	06-Oct-14 A	30-Sep-19	WASD Project Administration - 4.09 (68)																			
<b>4.09 (69) Replacement of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.</b>					28-Aug-18 A, 4.09 (69) Replacement of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.																			
<b>Pre-Design</b>					Pre-Design																			
CT22590	Pre-Design - 4.09 (69)	318	16-Jun-14 A	30-Apr-15 A	Pre-Design (69)																			
<b>Engineering Design</b>					15 A, Engineering Design																			
CT37480	30% Design Submittal - 4.09 (69)	29	01-May-15 A	29-May-15 A	Submittal - 4.09 (69)																			
CT37490	60% Design Submittal - 4.09 (69)	33	01-Jun-15 A	03-Jul-15 A	In Submittal - 4.09 (69)																			
CT37500	90% Design Submittal - 4.09 (69)	40	06-Jul-15 A	14-Aug-15 A	Design Submittal - 4.09 (69)																			
CT13951	Engineering Design - 4.09 (69)	105	01-May-15 A	14-Aug-15 A	Engineering Design - 4.09 (69)																			
<b>Permitting</b>					18-Jan-16 A, Permitting																			
CT13961	Permitting - 4.09 (69)	92	19-Oct-15 A	18-Jan-16 A	Permitting - 4.09 (69)																			
<b>Procurement</b>					19-May-16 A, Procurement																			
CT37080	Design Documents Sent to Procurement - 4.09 (69)	0	19-Jan-16 A	19-May-16 A	◆ Design Documents Sent to Procurement - 4.09 (69)																			
CT37090	Submit/Approve SBD Goals and Request to Advertise - 4.09 (69)	48	19-Jan-16 A	06-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise - 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	07-Mar-16 A	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	Bid Review Period - 4.09 (69)																			
CT37140	Award Recommendation - 4.09 (69)	0	11-Apr-16 A		◆ Award Recommendation - 4.09 (69)																			
CT13971	Procurement - 4.09 (69)	122	19-Jan-16 A	19-May-16 A	Procurement - 4.09 (69)																			
CT37150	Final Approvals - 4.09 (69)	38	12-Apr-16 A	19-May-16 A	■ Final Approvals - 4.09 (69)																			
<b>Construction</b>					28-Aug-18 A, Construction																			
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	Construction - 4.09 (69)																			
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)																			
<b>Project Administration</b>					25-Mar-17 A, Project Administration																			
CT38150	WASD Project Administration - 4.09 (69)	694	01-May-15 A	25-Mar-17 A	WASD Project Administration - 4.09 (69)																			
<b>4.09 (70) Replace 8000LF of 10" ACP FM at US-1 from SW 184th St. to N. of Caribbean Blvd</b>					16-Mar-16 A, 4.09 (70) Replace 8000LF of 10" ACP FM at US-1 from SW 184th St. to N. of Caribbean Blvd																			
<b>Pre-Design</b>					13-Sep-14 A, Pre-Design																			
CT20000	Pre-Design - 4.09 (70)	44	13-Sep-14 A	26-Oct-14 A	Pre-Design (70)																			
CT33000	Pre-Design (Revised Project Scope) - 4.09 (70)	119	29-Jun-15 A	25-Oct-15 A	Pre-Design (Revised Project Scope) - 4.09 (70)																			
<b>Engineering Design</b>					16-Mar-16 A, Engineering Design																			
CT14001	Engineering Design (Original Project Scope) - 4.09 (70)	245	27-Oct-14 A	28-Jun-15 A	Engineering 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)																			
<b>Project Administration</b>					16-Mar-16 A, Project Administration																			
CT38160	WASD Project Administration - 4.09 (70)	507	27-Oct-14 A	16-Mar-16 A	WASD Project Administration - 4.09 (70)																			
<b>4.09 (71) Replace 8" ACP FM from PS#0445, West to NW 207th St, 4" From PS#0444 to NW207St</b>					30-Aug-19, 4.09 (71) Replace 8" ACP FM from PS#0445, West to NW 207th St, 4" From PS#0444 to NW207St																			
<b>Pre-Design</b>					01-Nov-14 A, Pre-Design																			
CT22550	Pre-Design - 4.09 (71)	91	01-Nov-14 A	30-Jan-15 A	Pre-Design (71)																			
<b>Engineering Design</b>					19-Apr-16 A, Engineering Design																			
CT14051	Engineering Design - 4.09 (71)	442	02-Feb-15 A	19-Apr-16 A	Engineering Design - 4.09 (71)																			
<b>Permitting</b>					28-Jul-16 A, Permitting																			
CT50410	DERM Permit - 4.09 (71)	100	19-Apr-16 A	28-Jul-16 A	DERM Permit - 4.09 (71)																			
CT14061	Permitting - 4.09 (71)	20	20-Apr-16 A	09-May-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)																			
<b>Procurement</b>					23-Jan-18 A, Procurement																			
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	Internal Bid Package Review - 4.09 (71)																			
CT37170	Design Documents Sent to Procurement - 4.09 (71)	0	22-May-17 A		◆ Design 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	Submit/Approve SBD Goals and Request to Advertise - 4.09 (71)																			
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)																			







Activity ID | Activity Name | Original Duration | Start | Finish | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024

Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PS723000	Commissioning - Upgrade PS#0692	30	01-May-20	30-May-20																																				
PS10860	Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692	0		30-May-20*																																				
PS50930	EPA Compliance Date for Construction - Upgrade PS#0692	0		17-Jun-20*																																				
PS40790	Project Closeout - Upgrade PS#0692	60	31-May-20	29-Jul-20*																																				
Project Administration																																								
PS35340	WASD Project Administration - Upgrade PS#0692	1647	26-Nov-14 A	29-Jul-20																																				
5.04 Replacement of Switchgear PS#0414 and Generator Replacement																																								
Engineering Design																																								
PS51660	EPA Start Date for Engineering Design - PS#0414**	0	07-Oct-14 A	30-Mar-16 A																																				
PS50940	EPA Compliance Date for Engineering Design - PS#0414**	0		13-May-15 A																																				
PS10100	Engineering Design - PS#0414	416	09-Feb-15 A	30-Mar-16 A																																				
Permitting																																								
PS51670	EPA Start Date for Permitting - PS#0414**	0	14-May-15 A	15-Jul-17 A																																				
PS10250	Permitting - PS#0414	387	25-May-16 A	15-Jun-17 A																																				
PS50950	EPA Compliance Date for Permitting - PS#0414	0		15-Jul-17 A																																				
Procurement																																								
PS51680	EPA Start Date for Procurement - PS#0414**	0	08-Jun-15 A	15-Aug-17 A																																				
PS50960	EPA Compliance Date for Procurement - PS#0414**	0		20-Sep-17 A																																				
PS10420	Procurement - PS#0414	310	15-Nov-16 A	20-Sep-17 A																																				
Construction																																								
PS51690	EPA Start Date for Construction - PS#0414**	0	16-Aug-17 A	15-Jun-19 A																																				
PS10610	Construction - PS#0414	301	21-Sep-17 A	11-Jun-19 A																																				
PS50970	EPA Compliance Date for Construction - PS#0414	0		15-Jun-19 A																																				
Project Administration																																								
PS35330	WASD Project Administration - PS#0414	1316	09-Feb-15 A	10-Aug-19																																				
5.04 (1) Replacement of Switchgear PS#0414																																								
Pre-Design																																								
PS20240	Pre-Design - PS#0414	112	17-Oct-14 A	06-Feb-15 A																																				
Engineering Design																																								
PS20001	Basis of Design Report (BODR) - PS#0414	114	09-Feb-15 A	02-Jun-15 A																																				
PS20011	BODR Review Period - PS#0414	34	03-Jun-15 A	06-Jul-15 A																																				
PS31250	Negotiate Scope & Fee of Remaining Design - PS#0414	153	08-Jul-15 A	07-Dec-15 A																																				
PS20021	30% Design Submittal - PS#0414	74	29-Sep-15 A	11-Dec-15 A																																				
PS20031	30% Design Review - PS#0414	12	12-Dec-15 A	23-Dec-15 A																																				
PS20041	60% Design Submittal - PS#0414	47	24-Dec-15 A	08-Feb-16 A																																				
PS20051	60% Design Review - PS#0414	22	08-Feb-16 A	29-Feb-16 A																																				
PS723120	Engineering Design - PS#0414	0	09-Feb-15 A	30-Mar-16 A																																				
PS20061	100% Design Submittal - PS#0414	45	15-Feb-16 A	30-Mar-16 A																																				
Permitting																																								
PS50370	DERM Permit Submittal - PS#0414	0	25-May-16 A																																					
PS723130	Permitting - PS#0414	0	25-May-16 A	25-May-16 A																																				
PS50390	Dem Permit Submittal Review - PS#0414	16	25-May-16 A	09-Jun-16 A																																				
PS50430	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0414	14	10-Jun-16 A	23-Jun-16 A																																				
PS50380	Municipality Bldg. Dept. Submittal - PS#0414	0	30-Sep-16 A																																					
PS50410	Municipality Bldg. Dept. Submittal Review - PS#0414	31	30-Sep-16 A	30-Oct-16 A																																				
PS50450	DERM Permit Approval - PS#0414	166	30-Jun-16 A	12-Dec-16 A																																				
PS50440	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0414	140	30-Nov-16 A	18-Apr-17 A																																				
PS50460	Municipality Bldg. Dept. Submittal Approval - PS#0414	58	19-Apr-17 A	15-Jun-17 A																																				
Procurement																																								
PS32290	Design Documents Sent to Procurement - PS#0414	0	15-Nov-16 A																																					
PS723140	Procurement - PS#0414	0	15-Nov-16 A	15-Nov-16 A																																				
PS32300	Submit/Approve SBD Goals and Request to Advertise - PS#0414	127	15-Nov-16 A	21-Mar-17 A																																				
PS32310	Advertise Bid Package - PS#0414	0	22-Mar-17 A																																					
PS32320	Bid Solicitation Period - PS#0414	36	22-Mar-17 A	26-Apr-17 A																																				
PS32330	Bids Due - PS#0414	0	27-Apr-17 A																																					
PS32340	Bid Review Period - PS#0414	84	27-Apr-17 A	19-Jul-17 A																																				
PS32350	Award Recommendation - PS#0414	0		19-Jul-17 A																																				
PS32360	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0414	63	20-Jul-17 A	20-Sep-17 A																																				
Construction																																								
PS32370	Contractor Notice to Proceed (NTP) - PS#0414	0	21-Sep-17 A																																					
PS723790	FPL Connection - PS#0414	0		12-Apr-19 A																																				
PS723150	Construction - PS#0414	301	21-Sep-17 A	11-Jun-19 A																																				
PS723010	Commissioning - PS#0414	56	15-Apr-19 A	11-Jun-19 A																																				
PS10770	Substantial Completion (CD Compliance Date 6/15/19) - PS#0414	0		11-Jun-19 A																																				
PS40800	Project Closeout - PS#0414	60	12-Jun-19 A	10-Aug-19*																																				
5.04 (2) Generator Replacement																																								
Pre-Design																																								
PS723160	Pre-Design - PS#0414 Generator Replacement	90	15-Aug-18 A	30-May-19 A																																				
Engineering Design																																								
PS723200	30% Design Submittal - PS#0414 Generator Replacement	60	31-May-19 A	31-Oct-19																																				
PS723210	30% Design Review - PS#0414 Generator Replacement	14	01-Nov-19	14-Nov-19																																				
PS723250	100% Design Submittal - PS#0414 Generator Replacement	60	15-Nov-19	13-Jan-20																																				
PS723240	Engineering Design - PS#0414 Generator Replacement	164	31-May-19 A	12-Feb-20																																				







Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Procurement</b>					<p>451 09-Dec-16 A 25-Jan-18 A</p> <p>25-Jan-18 A, Procurement</p> <ul style="list-style-type: none"> <li>◆ Design Documents Sent to Procurement - PS#0417</li> <li>◆ EPA Start Date for Procurement - PS#0417</li> <li>◆ Submit/Approve SBD Goals and Request to Advertise - PS#0417</li> <li>◆ Advertise Bid Package - PS#0417</li> <li>◆ Bid Solicitation Period - PS#0417</li> <li>◆ Bids Due - PS#0417</li> <li>◆ EPA Compliance Date for Procurement - PS#0417</li> <li>◆ Bid Review Period - PS#0417</li> <li>◆ Award Recommendation - PS#0417</li> <li>◆ Procurement - PS#0417</li> <li>◆ Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0417</li> </ul>																																	
<b>Construction</b>					<p>999 01-Oct-17 A 25-Jul-20</p> <p>25-Jul-20, Construction</p> <ul style="list-style-type: none"> <li>◆ EPA Start Date for Construction - PS#0417**</li> <li>◆ Contractor Notice to Proceed (NTP) - PS#0417</li> <li>◆ FPL Connection - PS#0417</li> <li>◆ Construction - PS#0417</li> <li>◆ Commissioning - PS#0417</li> <li>◆ Substantial Completion (CD Compliance Date 7/25/20) - PS#0417</li> <li>◆ Project Closeout - PS#0417</li> <li>◆ EPA Compliance Date for Construction - PS#0417</li> <li>◆ Project Administration - PS#0417</li> </ul>																																	
<b>Project Administration</b>					<p>1478 06-Feb-15 A 06-May-20</p> <p>06-May-20, Project Administration</p> <ul style="list-style-type: none"> <li>◆ WASD Project Administration - PS#0417</li> </ul>																																	
<b>5.08 Replacement of Electrical and Mechanical Equipment in PS#0107</b>					<p>1635 10-Aug-14 A 27-Jan-19 A</p> <p>27-Jan-19 A, 5.08 Replacement of Electrical and Mechanical Equipment in PS#0107</p>																																	
<b>Pre-Design</b>					<p>63 06-Apr-15 A 08-Jun-15 A</p> <p>08-Jun-15 A, Pre-Design</p> <ul style="list-style-type: none"> <li>◆ Pre-Design - PS#0107</li> </ul>																																	
<b>Engineering Design</b>					<p>703 07-Oct-14 A 09-Sep-16 A</p> <p>09-Sep-16 A, Engineering Design</p> <ul style="list-style-type: none"> <li>◆ EPA Start Date for Engineering Design - PS#0107**</li> <li>◆ 30% Design Submittal - PS#0107</li> <li>◆ 30% Design Review - PS#0107</li> <li>◆ 60% Design Submittal - PS#0107</li> <li>◆ 60% Design Review - PS#0107</li> <li>◆ 100% Design Submittal - PS#0107</li> <li>◆ Engineering Design - PS#0107</li> <li>◆ EPA Compliance Date for Engineering Design - PS#0107</li> </ul>																																	
<b>Permitting</b>					<p>941 10-Aug-14 A 08-Mar-17 A</p> <p>08-Mar-17 A, Permitting</p> <ul style="list-style-type: none"> <li>◆ EPA Start Date for Permitting - PS#0107**</li> <li>◆ Permitting - PS#0107</li> <li>◆ EPA Compliance Date for Permitting - PS#0107</li> </ul>																																	
<b>Procurement</b>					<p>647 24-Mar-16 A 03-Dec-17 A</p> <p>03-Dec-17 A, Procurement</p> <ul style="list-style-type: none"> <li>◆ Design Documents Sent to Procurement - PS#0107</li> <li>◆ Submit/Approve SBD Goals and Request to Advertise - PS#0107</li> <li>◆ Advertise Bid Package - PS#0107</li> <li>◆ Bid Solicitation Period - PS#0107</li> <li>◆ Bids Due - PS#0107</li> <li>◆ Bid Review Period - PS#0107</li> <li>◆ Award Recommendation - PS#0107</li> <li>◆ Procurement - PS#0107</li> <li>◆ Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0107</li> <li>◆ P.O. Issued - PS#0107</li> <li>◆ EPA Start Date for Procurement - PS#0107</li> <li>◆ EPA Compliance Date for Procurement - PS#0107</li> </ul>																																	
<b>Construction</b>					<p>819 03-Nov-16 A 27-Jan-19 A</p> <p>27-Jan-19 A, Construction</p> <ul style="list-style-type: none"> <li>◆ Contractor Notice to Proceed (NTP) - PS#0107</li> <li>◆ EPA Start Date for Construction - PS#0107</li> <li>◆ Construction - PS#0107</li> <li>◆ Substantial Completion (CD Compliance Date 1/27/19) - PS#0107</li> <li>◆ Project Closeout - PS#0107</li> <li>◆ EPA Compliance Date for Construction - PS#0107</li> <li>◆ Project Administration - PS#0107</li> </ul>																																	
<b>Project Administration</b>					<p>955 08-Jun-15 A 24-Aug-18 A</p> <p>24-Aug-18 A, Project Administration</p> <ul style="list-style-type: none"> <li>◆ WASD Project Administration - PS#0107</li> </ul>																																	
<b>5.09 Replacement of Pumping and Electrical Equipment at PS#0301 (w/ Updated EPA Dates)</b>					<p>2716 08-Sep-14 A 13-Feb-22</p> <p>13-Feb-22, 5.09 Replacement of Pumping and Electrical Equipment at PS#0301 (w/ Updated EPA Dates)</p>																																	
<b>Pre-Design</b>					<p>1242 08-Sep-14 A 01-Jun-18 A</p> <p>01-Jun-18 A, Pre-Design</p> <ul style="list-style-type: none"> <li>◆ Pre-Design - PS#0301</li> </ul>																																	
<b>Engineering Design</b>					<p>1727 07-Oct-14 A 04-Feb-19 A</p> <p>04-Feb-19 A, Engineering Design</p> <ul style="list-style-type: none"> <li>◆ EPA Start Date for Engineering Design - PS#0301**</li> <li>◆ Basis of Design Report (BODR) - PS#0301</li> <li>◆ BODR Review Period - PS#0301</li> <li>◆ Negotiate Scope &amp; Fee of Remaining Design (HDR) - PS#0301</li> <li>◆ 30% Design Submittal - PS#0301</li> <li>◆ 30% Design Review - PS#0301</li> <li>◆ 60% Design Submittal - PS#0301</li> </ul>																																	

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
PS30860	60% Design Review - PS#0301	17	09-Jan-16 A	25-Jan-16 A	60% Design Review - PS#0301																							
PS10070	Engineering Design - PS#0301	548	24-Nov-14 A	24-May-16 A	Engineering Design - PS#0301																							
PS30870	100% Design Submittal - PS#0301	120	26-Jan-16 A	24-May-16 A	100% Design Submittal - PS#0301																							
PS51260	EPA Compliance Date for Engineering Design - PS#0301	0		31-Oct-17 A	EPA Compliance Date for Engineering Design - PS#0301																							
PS72630	Project on Hold - PS#0301 Construction	96	28-Jul-17 A	22-Dec-17 A	Project on Hold - PS#0301 Construction																							
PS72610	100% Revised Design/Permit Ready Submittal - PS#0301 Construction	62	20-Mar-18 A	18-Dec-18 A	100% Revised Design/Permit Ready Submittal - PS#0301 Construction																							
PS72890	Final Bid Set Submittal - PS#0301 Construction	30	25-Jan-19 A	04-Feb-19 A	Final Bid Set Submittal - PS#0301 Construction																							
<b>Permitting</b>					<b>1023 23-May-16 A 06-Aug-19</b>																							
PS41620	DERM Permit - PS#0301	64	23-May-16 A	04-Nov-16 A	DERM Permit - PS#0301																							
PS41660	Municipality Bldg. Dept. Permit Approval - PS#0301	8	29-Sep-16 A	07-Dec-16 A	Municipality Bldg. Dept. Permit Approval - PS#0301																							
PS51870	EPA Start Date for Permitting - PS#0301 Construction	0	01-Nov-17 A		EPA Start Date for Permitting - PS#0301 Construction																							
PS51270	EPA Compliance Date for Permitting - PS#0301 Construction	0		29-Apr-18 A	EPA Compliance Date for Permitting - PS#0301 Construction																							
PS72780	Site Plan Approval for Revised Drawings - PS#0301 Construction	60	04-Jun-18 A	21-Jun-18 A	Site Plan Approval for Revised Drawings - PS#0301 Construction																							
PS723770	Tree Permit - PS#0301 Construction	30	07-Nov-18 A	05-Mar-19 A	Tree Permit - PS#0301 Construction																							
PS72620	DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction	60	10-Aug-18 A	09-Mar-19 A	DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction																							
PS723760	Wetland Delineation Permit - PS#0301 Construction	30	07-Nov-18 A	09-Mar-19 A	Wetland Delineation Permit - PS#0301 Construction																							
PS72800	City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction	60	28-Feb-19 A	30-Apr-19 A	City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction																							
PS10220	Permitting for Revised Drawings - PS#0301 Construction	117	10-Aug-18 A	06-Aug-19	Permitting for Revised Drawings - PS#0301 Construction																							
PS72790	MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction	22	24-Jun-19 A	06-Aug-19	MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction																							
<b>Procurement</b>					<b>1068 08-Dec-16 A 07-Oct-19</b>																							
PS32650	Design Documents Sent to Procurement - PS#0301	0	08-Dec-16 A		Design Documents Sent to Procurement - PS#0301																							
PS32660	Submit/Approve SBD Goals and Request to Advertise - PS#0301	105	08-Dec-16 A	22-Mar-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0301																							
PS32670	Advertise Bid Package - PS#0301	0	23-Mar-17 A		Advertise Bid Package - PS#0301																							
PS32680	Bid Solicitation Period - PS#0301	35	23-Mar-17 A	26-Apr-17 A	Bid Solicitation Period - PS#0301																							
PS32690	Bids Due - PS#0301	0	27-Apr-17 A		Bids Due - PS#0301																							
PS32700	Bid Review Period - PS#0301	93	27-Apr-17 A	28-Jul-17 A	Bid Review Period - PS#0301																							
PS32710	Scope Change Letter sent to EPA - PS#0301	0		28-Jul-17 A	Scope Change Letter sent to EPA - PS#0301																							
PS51880	EPA Start Date for Procurement - PS#0301 Construction	0	30-Apr-18 A		EPA Start Date for Procurement - PS#0301 Construction																							
PS51280	EPA Compliance Date for Procurement - PS#0301 Construction	0		26-Oct-18 A	EPA Compliance Date for Procurement - PS#0301 Construction																							
PS72830	Submit/Approve SBD Goals and Request to Advertise - PS#0301 Construction	38	12-Jan-19 A	21-Feb-19 A	Submit/Approve SBD Goals and Request to Advertise - PS#0301 Construction																							
PS72820	Design Documents Sent to Procurement - PS#0301 Construction	0	28-Mar-19 A		Design Documents Sent to Procurement - PS#0301 Construction																							
PS32720	Advertise Bid Package - PS#0301 Construction	0	04-Apr-19 A		Advertise Bid Package - PS#0301 Construction																							
PS72840	Bid Solicitation Period - PS#0301 Construction	45	04-Apr-19 A	10-Jul-19	Bid Solicitation Period - PS#0301 Construction																							
PS72850	Bids Due - PS#0301 Construction	0	11-Jul-19		Bids Due - PS#0301 Construction																							
PS72860	Bid Review Period - PS#0301 Construction	29	11-Jul-19	08-Aug-19	Bid Review Period - PS#0301 Construction																							
PS72870	Award Recommendation - PS#0301 Construction	0		08-Aug-19	Award Recommendation - PS#0301 Construction																							
PS72600	Procurement of Revised Scope - PS#0301 Construction	194	28-Mar-19 A	07-Oct-19	Procurement of Revised Scope - PS#0301 Construction																							
PS72880	Final Approval - PS#0301 Construction	60	09-Aug-19	07-Oct-19	Final Approval - PS#0301 Construction																							
<b>Construction</b>					<b>1202 27-Oct-18 A 13-Feb-22</b>																							
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	08-Oct-19		Contractor Notice to Proceed (NTP) - PS#0301 Construction																							
PS72590	Construction of New PS - PS#0301 Construction	600	08-Oct-19	29-May-21	Construction of New PS - PS#0301 Construction																							
PS723050	Commissioning - PS#0301 Construction	60	31-Mar-21	29-May-21	Commissioning - PS#0301 Construction																							
PS10790	Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction	0		29-May-21*	Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction																							
PS723820	Demolition of Existing PS & Construction of New Generator Tank - PS#0301 Construction	200	30-May-21	15-Dec-21	Demolition of Existing PS & Construction of New Generator Tank - PS#0301 Construction																							
PS51290	EPA Compliance Date for Construction - PS#0301 Construction	0		24-Jan-22*	EPA Compliance Date for Construction - PS#0301 Construction																							
PS40840	Project Closeout - PS#0301 Construction	60	16-Dec-21	13-Feb-22*	Project Closeout - PS#0301 Construction																							
<b>Project Administration</b>					<b>2223 24-Nov-14 A 13-Feb-22</b>																							
PS35280	WASD Project Administration - PS#0301 Construction	2223	24-Nov-14 A	13-Feb-22	WASD Project Administration - PS#0301 Construction																							
<b>5.10 Upgrade of PS#0488</b>					<b>1332 07-Oct-14 A 09-May-18 A</b>																							
<b>Pre-Design</b>					<b>152 01-Nov-14 A 02-Apr-15 A</b>																							
PS30980	Pre-Design - Upgrade PS#0488	153	01-Nov-14 A	02-Apr-15 A	Pre-Design - Upgrade PS#0488																							
<b>Engineering Design</b>					<b>298 07-Oct-14 A 01-Aug-15 A</b>																							
PS51900	EPA Start Date for Engineering Design - Upgrade PS#0488**	0	07-Oct-14 A		EPA Start Date for Engineering Design - Upgrade PS#0488**																							
PS51250	EPA Compliance Date for Engineering Design - Upgrade PS#0488**	0		13-May-15 A	EPA Compliance Date for Engineering Design - Upgrade PS#0488**																							
PS31320	30% Design Submittal - Upgrade PS#0488	67	03-Apr-15 A	08-Jun-15 A	30% Design Submittal - Upgrade PS#0488																							
PS31330	30% Design Review - Upgrade PS#0488	14	09-Jun-15 A	22-Jun-15 A	30% Design Review - Upgrade PS#0488																							
PS30950	60% Design Submittal - Upgrade PS#0488	24	23-Jun-15 A	16-Jul-15 A	60% Design Submittal - Upgrade PS#0488																							
PS30960	60% Design Review - Upgrade PS#0488	7	17-Jul-15 A	23-Jul-15 A	60% Design Review - Upgrade PS#0488																							
PS30970	100% Design Submittal - Upgrade PS#0488	9	24-Jul-15 A	01-Aug-15 A	100% Design Submittal - Upgrade PS#0488																							
PS10090	Engineering Design - Upgrade PS#0488	120	03-Apr-15 A	01-Aug-15 A	Engineering Design - Upgrade PS#0488																							
<b>Permitting</b>					<b>401 14-May-15 A 18-Jun-16 A</b>																							
PS51910	EPA Start Date for Permitting - Upgrade PS#0488**	0	14-May-15 A		EPA Start Date for Permitting - Upgrade PS#0488**																							
PS10240	Permitting - Upgrade PS#0488	93	17-Aug-15 A	17-Nov-15 A	Permitting - Upgrade PS#0488																							
PS51240	EPA Compliance Date for Permitting - Upgrade PS#0488	0		18-Jun-16 A	EPA Compliance Date for Permitting - Upgrade PS#0488																							
<b>Procurement</b>					<b>646 08-Jun-15 A 15-Mar-17 A</b>																							
PS51920	EPA Start Date for Procurement - Upgrade PS#0488**	0	08-Jun-15 A		EPA Start Date for Procurement - Upgrade PS#0488**																							
PS32200	Design Documents Sent to Procurement - Upgrade PS#0488	0	18-Nov-15 A		Design Documents Sent to 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	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0488																							
PS32220	Advertise Bid Package - Upgrade PS#0488	0	18-Jan-16 A		Advertise Bid Package - Upgrade PS#0488																							
PS32230	Bid Solicitation Period - Upgrade PS#0488	31	18-Jan-16 A	17-Feb-16 A	Bid Solicitation Period - Upgrade PS#0488																							
PS32240	Bids Due - Upgrade PS#0488	0	18-Feb-16 A		Bids Due - Upgrade PS#0488																							
PS32250	Bid Review Period - Upgrade PS#0488	15	18-Feb-16 A	03-Mar-16 A	Bid Review Period - Upgrade PS#0488																							







Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
PS72720	WASD Project Administration - PS#0065 Compliance Project	422	27-Oct-14 A	22-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
<b>5.15 (1.1) FM for Pump Station 0065 Phase 1</b>					446	01-Aug-14 A	21-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																														
Pre-Design					87	01-Aug-14 A	26-Oct-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS31110	Pre-Design - FM for PS#0065 Phase 1	87	01-Aug-14 A	26-Oct-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Engineering Design					81	27-Oct-14 A	16-Jan-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS31060	Engineering Design - FM for PS#0065 Phase 1	82	27-Oct-14 A	16-Jan-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Permitting					28	19-Jan-15 A	16-Feb-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS31070	Permitting - FM for PS#0065 Phase 1	29	19-Jan-15 A	16-Feb-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Procurement					91	23-Feb-15 A	25-May-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS31080	Procurement - FM for PS#0065 Phase 1	92	23-Feb-15 A	25-May-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Construction					148	26-May-15 A	21-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS31090	Construction - FM for PS#0065 Phase 1	149	26-May-15 A	21-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
PS31100	Substantial Completion (CD Compliance Date 12/31/15) - FM for PS#0065 Phase 1	0		21-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Project Administration					359	27-Oct-14 A	21-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72730	WASD Project Administration - FM for PS#0065 Phase 1	360	27-Oct-14 A	21-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
<b>5.15 (1.2) FM for Pump Station 0065 Phase 2 (Non-Consent Decree)</b>					1561	28-Aug-14 A	25-Jan-18 A	WASD Project Administration - PS#0065 Compliance Project																														
Pre-Design					425	28-Aug-14 A	27-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72170	Pre-Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	426	28-Aug-14 A	27-Oct-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Engineering Design					216	28-Oct-15 A	31-May-16 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72180	Engineering Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	217	28-Oct-15 A	31-May-16 A	WASD Project Administration - PS#0065 Compliance Project																																	
Permitting					77	01-Jun-16 A	17-Aug-16 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72190	Permitting - FM for PS#0065 Phase 2 (Non-Consent Decree)	78	01-Jun-16 A	17-Aug-16 A	WASD Project Administration - PS#0065 Compliance Project																																	
Procurement					199	19-Sep-16 A	06-Apr-17 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72200	Procurement - FM for PS#0065 Phase 2 (Non-Consent Decree)	200	19-Sep-16 A	06-Apr-17 A	WASD Project Administration - PS#0065 Compliance Project																																	
Construction					608	07-Apr-17 A	25-Jan-18 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72210	Construction - FM for PS#0065 Phase 2 (Non-Consent Decree)	294	07-Apr-17 A	25-Jan-18 A	WASD Project Administration - PS#0065 Compliance Project																																	
PS72220	Substantial Completion - FM for PS#0065 Phase 2 (Non-Consent Decree)	0		25-Jan-18 A	WASD Project Administration - PS#0065 Compliance Project																																	
Project Administration					821	28-Oct-15 A	25-Jan-18 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72740	WASD Project Administration - FM for PS#0065 Phase 2 (Non-Consent Decree)	821	28-Oct-15 A	25-Jan-18 A	WASD Project Administration - PS#0065 Compliance Project																																	
<b>5.15 (2) Pump Station 0201 Compliance Project</b>					976	01-Jan-13 A	04-Sep-15 A	WASD Project Administration - PS#0065 Compliance Project																														
Engineering Design					367	01-Jan-13 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12052	Engineering Design - PS#0201 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Permitting					172	06-Jan-14 A	27-Jun-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12062	Permitting - PS#0201 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Procurement					262	30-Jun-14 A	19-Mar-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12072	Procurement - PS#0201 Compliance Project	263	30-Jun-14 A	19-Mar-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Construction					168	20-Mar-15 A	04-Sep-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12082	Construction - PS#0201 Compliance Project	169	20-Mar-15 A	04-Sep-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
PS12092	Substantial Completion (CD Compliance Date 12/31/15) - PS#0201 Compliance Project	0		04-Sep-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Project Administration					976	01-Jan-13 A	04-Sep-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72750	WASD Project Administration - PS#0201 Compliance Project	977	01-Jan-13 A	04-Sep-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
<b>5.15 (3) Pump Station 0334 Compliance Project</b>					1093	01-Jan-13 A	30-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																														
Engineering Design					367	01-Jan-13 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12102	Engineering Design - PS#0334 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Permitting					172	06-Jan-14 A	27-Jun-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12112	Permitting - PS#0334 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Procurement					232	17-Jun-14 A	04-Feb-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12122	Procurement - PS#0334 Compliance Project	233	17-Jun-14 A	04-Feb-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Construction					328	05-Feb-15 A	30-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12132	Construction - PS#0334 Compliance Project	329	05-Feb-15 A	30-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
PS12142	Substantial Completion (CD Compliance Date 12/31/15) - PS#0334 Compliance Project	0		30-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Project Administration					1093	01-Jan-13 A	30-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72690	WASD Project Administration - PS#0334 Compliance Project	1094	01-Jan-13 A	30-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
<b>5.15 (3.1) FM for Pump Station 0334</b>					846	01-Jan-13 A	27-Apr-15 A	WASD Project Administration - PS#0065 Compliance Project																														
Engineering Design					367	01-Jan-13 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12152	Engineering Design - FM for Pump Station 0334	368	01-Jan-13 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Permitting					219	06-Jan-14 A	13-Aug-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12162	Permitting - FM for Pump Station 0334	220	06-Jan-14 A	13-Aug-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Procurement					146	30-Jun-14 A	23-Nov-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12172	Procurement - FM for Pump Station 0334	147	30-Jun-14 A	23-Nov-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Construction					154	24-Nov-14 A	27-Apr-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12182	Construction - FM for Pump Station 0334	155	24-Nov-14 A	27-Apr-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
PS12192	Substantial Completion (CD Compliance Date 12/31/15) - FM for Pump Station 0334	0		27-Apr-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
Project Administration					846	01-Jan-13 A	27-Apr-15 A	WASD Project Administration - PS#0065 Compliance Project																														
PS72700	WASD Project Administration - FM for Pump Station 0334	847	01-Jan-13 A	27-Apr-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
<b>5.15 (4) Pump Station No. 0374 Upgrade</b>					1118	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														
Engineering Design					1118	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12202	Engineering Design - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Permitting					1118	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12212	Permitting - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Procurement					1118	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														
PS12222	Procurement - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																																	
Construction					1118	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0065 Compliance Project																														

Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PS12232	Construction - PS#0374 Upgrade - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	Construction - PS#0374 Upgrade - Completed In-House																																			
PS12242	Substantial Completion (CD Compliance Date 12/31/15) - PS#0374 Upgrade	0		03-Jan-14 A	2/31/15) - PS#0374 Upgrade																																			
Project Administration																																								
PS72710	WASD Project Administration - PS#0374 Upgrade - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0374 Upgrade - Completed In-House																																			
<b>5.15 (4.1) Pump Station No. 0374 FM Installation</b>																																								
Engineering Design																																								
PS12252	Engineering Design - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	PS#0374 FM Installation																																			
Permitting																																								
PS12262	Permitting - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	0374 FM Installation																																			
Procurement																																								
PS12272	Procurement - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	PS#0374 FM Installation																																			
Construction																																								
PS12282	Construction - PS#0374 FM Installation - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	Construction - PS#0374 FM Installation - Completed 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 Installation																																			
Project Administration																																								
PS72680	WASD Project Administration - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0374 FM Installation																																			
<b>5.15 (5) Pump Station 0607 Compliance Project</b>																																								
Engineering Design																																								
PS12302	Engineering Design - PS#0607 Compliance Project	367	01-Jan-13 A	03-Jan-14 A	PS#0607 Compliance Project																																			
Permitting																																								
PS12312	Permitting - PS#0607 Compliance Project	152	06-Jan-14 A	06-Jun-14 A	0607 Compliance Project																																			
Procurement																																								
PS12322	Procurement - PS#0607 Compliance Project	210	30-Jun-14 A	26-Jan-15 A	PS#0607 Compliance Project																																			
Construction																																								
PS12332	Construction - PS#0607 Compliance Project	269	27-Jan-15 A	23-Oct-15 A	Oct-15 A, Construction																																			
PS12342	Substantial Completion (CD Compliance Date 12/31/15) - PS#0607 Compliance Project	0		23-Oct-15 A	Construction - PS#0607 Compliance Project																																			
Project Administration																																								
PS72670	WASD Project Administration - PS#0607 Compliance Project	1025	01-Jan-13 A	23-Oct-15 A	Substantial Completion (CD Compliance Date 12/31/15) - PS#0607 Compliance Project																																			
<b>5.16 Upgrade of PS#0198, 0437, 0466, 0680</b>																																								
Engineering Design																																								
PS71710	EPA Start Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	02-Jan-15 A		Oct-15 A, Engineering Design																																			
PS51400	EPA Compliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0		06-Sep-15 A	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**																																			
PS10330	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680	155	01-May-15 A	02-Oct-15 A	Compliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**																																			
Permitting																																								
PS71720	EPA Start Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680	0	07-Sep-15 A		Engineering Design - Upgrade PS#0198, 0437, 0466, 0680																																			
PS51410	EPA Compliance Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680**	0		05-Dec-15 A	28-Dec-15 A, Permitting																																			
PS10430	Permitting - Upgrade PS#0198, 0437, 0466, 0680	141	10-Aug-15 A	28-Dec-15 A	Start Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680																																			
Procurement																																								
PS71730	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680	0	06-Dec-15 A		EPA Compliance Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680**																																			
PS51420	EPA Compliance Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680**	0		02-Jun-16 A	Permitting - Upgrade PS#0198, 0437, 0466, 0680																																			
PS10490	Procurement - Upgrade PS#0198, 0437, 0466, 0680	230	04-Nov-15 A	20-Jun-16 A	Procurement - Upgrade PS#0198, 0437, 0466, 0680																																			
Construction																																								
PS71740	EPA Start Date for Construction - Upgrade PS#0198, 0437, 0466, 0680	0	03-Jun-16 A		20-Jun-16 A, Procurement																																			
PS10540	Construction - Upgrade PS#0198, 0437, 0466, 0680	562	18-Apr-16 A	24-Jan-18 A	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680																																			
PS10700	Substantial Completion (CD Compliance Date 12/31/18) - Upgrade PS#0198, 0437, 0466, 0680	0		24-Jan-18 A	EPA Compliance Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680**																																			
PS51430	EPA Compliance Date for Construction - Upgrade PS#0198, 0437, 0466, 0680**	0		31-Dec-18 A	Procurement - Upgrade PS#0198, 0437, 0466, 0680																																			
<b>5.16 (1) Pump Station 0198 Compliance Project</b>																																								
Pre-Design																																								
PS20290	Pre-Design - PS#0198 Compliance Project	179	03-Nov-14 A	30-Apr-15 A	Oct-15 A, Engineering Design																																			
Engineering Design																																								
PS12352	Engineering Design - PS#0198 Compliance Project	96	01-May-15 A	04-Aug-15 A	PS#0198 Compliance Project																																			
Permitting																																								
PS12362	Permitting - PS#0198 Compliance Project	66	10-Aug-15 A	15-Oct-15 A	05 A, Engineering Design																																			
Procurement																																								
PS33300	Design Documents Sent to Procurement - PS#0198 Compliance Project	0	04-Nov-15 A		Engineering Design - PS#0198 Compliance Project																																			
PS33310	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project	26	04-Nov-15 A	29-Nov-15 A	Oct-15 A, Permitting																																			
PS33320	Advertise Bid Package - PS#0198 Compliance Project	0	07-Dec-15 A	06-Jan-16 A	Permitting - PS#0198 Compliance Project																																			
PS33330	Bid Solicitation Period - PS#0198 Compliance Project	31	07-Dec-15 A	06-Jan-16 A	Procurement - PS#0198 Compliance Project																																			
PS33340	Bids Due - PS#0198 Compliance Project	0	06-Jan-16 A		14-Apr-16 A, Procurement																																			
PS33350	Bid Review Period - PS#0198 Compliance Project	20	06-Jan-16 A	25-Jan-16 A	Design Documents Sent to Procurement - PS#0198 Compliance Project																																			
PS41140	Bid Cancellation - PS#0198 Compliance Project	3	26-Jan-16 A	28-Jan-16 A	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project																																			
PS41150	Re-Bid Solicitation - PS#0198 Compliance Project	30	09-Feb-16 A	09-Mar-16 A	Advertise Bid Package - PS#0198 Compliance Project																																			
PS41160	Re-Bids Due - PS#0198 Compliance Project	0	10-Mar-16 A		Bid Solicitation Period - PS#0198 Compliance Project																																			
PS41170	Re-Bid Review Period - PS#0198 Compliance Project	14	10-Mar-16 A	23-Mar-16 A	Bids Due - PS#0198 Compliance Project																																			
PS33360	Award Recommendation - PS#0198 Compliance Project	0		23-Mar-16 A	Bid Review Period - PS#0198 Compliance Project																																			
PS12372	Procurement - PS#0198 Compliance Project	163	04-Nov-15 A	14-Apr-16 A	Bid Cancellation - PS#0198 Compliance Project																																			
PS33370	Final Approvals - PS#0198 Compliance Project	22	24-Mar-16 A	14-Apr-16 A	Re-Bid Solicitation - PS#0198 Compliance Project																																			
PS50780	P.O. Issued - PS#0198 Compliance Project	773	18-Apr-16 A	28-Feb-19 A	Re-Bids Due - PS#0198 Compliance Project																																			
Construction																																								
PS33380	Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project	0	25-Apr-16 A		Re-Bid Review Period - PS#0198 Compliance Project																																			
PS12382	Construction - PS#0198 Compliance Project	562	18-Apr-16 A	24-Jan-18 A	Award Recommendation - PS#0198 Compliance Project																																			
PS12392	Substantial Completion - PS#0198 Compliance Project	0		24-Jan-18 A	Procurement - PS#0198 Compliance Project																																			
PS40880	Project Closeout - PS#0198 Compliance Project	90	25-Jan-18 A	28-Feb-19 A	Final Approvals - PS#0198 Compliance Project																																			



Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017				2018				2019				2020				2021				2022				2023				2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
<b>Project Administration</b>					28-Feb-19 A, Project Administration																															
PS35240	WASD Project Administration - PS#0198 Compliance Project	1005	01-May-15 A	28-Feb-19 A	WASD Project Administration - PS#0198 Compliance Project																															
<b>5.16 (2) Pump Station No. 0437 Upgrade</b>					28-Mar-19 A, 5.16 (2) Pump Station No. 0437 Upgrade																															
<b>Pre-Design</b>					Pre-Design																															
PS20300	Pre-Design - PS#0437 Upgrade	179	03-Nov-14 A	30-Apr-15 A	Pre-Design - PS#0437 Upgrade																															
<b>Engineering Design</b>					Engineering Design																															
PS12402	Engineering Design - PS#0437 Upgrade	96	01-May-15 A	04-Aug-15 A	Engineering Design - PS#0437 Upgrade																															
<b>Permitting</b>					Permitting																															
PS12412	Permitting - PS#0437 Upgrade	67	10-Aug-15 A	16-Oct-15 A	Permitting - PS#0437 Upgrade																															
<b>Procurement</b>					Procurement																															
PS33390	Design Documents Sent to Procurement - PS#0437 Upgrade	0	24-Nov-15 A		Design Documents Sent to Procurement - PS#0437 Upgrade																															
PS33410	Advertise Bid Package - PS#0437 Upgrade	0	09-Dec-15 A		Advertise Bid Package - PS#0437 Upgrade																															
PS33400	Submit/Approve SBD Goals and Request to Advertise - PS#0437 Upgrade	46	24-Nov-15 A	08-Jan-16 A	Submit/Approve SBD Goals and Request to Advertise - PS#0437 Upgrade																															
PS33420	Bid Solicitation Period - PS#0437 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bid Solicitation Period - PS#0437 Upgrade																															
PS33430	Bids Due - PS#0437 Upgrade	0	09-Jan-16 A		Bids Due - PS#0437 Upgrade																															
PS33440	Bid Review Period - PS#0437 Upgrade	12	09-Jan-16 A	20-Jan-16 A	Bid Review 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 - PS#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																															
<b>Construction</b>					Construction																															
PS33470	Contractor Notice to Proceed (NTP) - PS#0437 Upgrade	0	18-Apr-16 A		Contractor Notice to Proceed (NTP) - PS#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-Mar-19 A	Project Closeout - PS#0437 Upgrade																															
<b>Project Administration</b>					28-Mar-19 A, Project Administration																															
PS35230	WASD Project Administration - PS#0437 Upgrade	884	01-May-15 A	28-Mar-19 A	WASD Project Administration - PS#0437 Upgrade																															
<b>5.16 (3) Pump Station 0466 Compliance Project</b>					27-Oct-17 A, 5.16 (3) Pump Station 0466 Compliance Project																															
<b>Pre-Design</b>					Pre-Design																															
PS20310	Pre-Design - PS#0466 Compliance Project	264	03-Nov-14 A	24-Jul-15 A	Pre-Design - PS#0466 Compliance Project																															
<b>Engineering Design</b>					Engineering Design																															
PS12452	Engineering Design - PS#0466 Compliance Project	67	27-Jul-15 A	02-Oct-15 A	Engineering Design - PS#0466 Compliance Project																															
<b>Permitting</b>					Permitting																															
PS12462	Permitting - PS#0466 Compliance Project	0	02-Oct-15 A	02-Oct-15 A	Permitting - PS#0466 Compliance Project																															
<b>Procurement</b>					Procurement																															
PS33480	Design Documents Sent to Procurement - PS#0466 Compliance Project	115	26-Feb-16 A	20-Jun-16 A	Design Documents Sent to Procurement - PS#0466 Compliance Project																															
PS33490	Submit/Approve SBD Goals and Request to Advertise - PS#0466 Compliance Project	18	26-Feb-16 A	14-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise - PS#0466 Compliance Project																															
PS33500	Advertise Bid Package - PS#0466 Compliance Project	0	15-Mar-16 A		Advertise Bid Package - PS#0466 Compliance Project																															
PS33510	Bid Solicitation Period - PS#0466 Compliance Project	32	15-Mar-16 A	15-Apr-16 A	Bid Solicitation Period - PS#0466 Compliance Project																															
PS33520	Bids Due - PS#0466 Compliance Project	0	15-Apr-16 A		Bids Due - PS#0466 Compliance Project																															
PS33530	Bid Review Period - PS#0466 Compliance Project	8	15-Apr-16 A	22-Apr-16 A	Bid Review Period - PS#0466 Compliance Project																															
PS33540	Award Recommendation - PS#0466 Compliance Project	0		22-Apr-16 A	Award Recommendation - PS#0466 Compliance Project																															
PS12472	Procurement - PS#0466 Compliance Project	116	26-Feb-16 A	20-Jun-16 A	Procurement - PS#0466 Compliance Project																															
PS33550	Final Approvals - PS#0466 Compliance Project	59	23-Apr-16 A	20-Jun-16 A	Final Approvals - PS#0466 Compliance Project																															
PS50810	P.O. Issued - PS#0466 Compliance Project	0	20-Jun-16 A		P.O. Issued - PS#0466 Compliance Project																															
<b>Construction</b>					Construction																															
PS33560	Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project	447	11-Jul-16 A	27-Oct-17 A	Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project																															
PS12482	Construction - PS#0466 Compliance Project	103	11-Jul-16 A	21-Oct-16 A	Construction - PS#0466 Compliance Project																															
PS12492	Substantial Completion (CD Compliance Date 12/31/18) - PS#0466 Compliance Project	0		21-Oct-16 A	Substantial Completion (CD Compliance Date 12/31/18) - PS#0466 Compliance Project																															
PS40900	Project Closeout - PS#0466 Compliance Project	344	22-Oct-16 A	27-Oct-17 A	Project Closeout - PS#0466 Compliance Project																															
<b>Project Administration</b>					27-Oct-17 A, Project Administration																															
PS35220	WASD Project Administration - PS#0466 Compliance Project	797	27-Jul-15 A	27-Oct-17 A	WASD Project Administration - PS#0466 Compliance Project																															
<b>5.16 (4) Pump Station 0680 Upgrade</b>					31-Jul-19, 5.16 (4) Pump Station 0680 Upgrade																															
<b>Pre-Design</b>					Pre-Design																															
PS20320	Pre-Design - PS#0680 Upgrade	179	03-Nov-14 A	30-Apr-15 A	Pre-Design - PS#0680 Upgrade																															
<b>Engineering Design</b>					Engineering Design																															
PS12502	Engineering Design - PS#0680 Upgrade	95	01-May-15 A	04-Aug-15 A	Engineering Design - PS#0680 Upgrade																															
<b>Permitting</b>					Permitting																															
PS12512	Permitting - PS#0680 Upgrade	140	10-Aug-15 A	28-Dec-15 A	Permitting - PS#0680 Upgrade																															
<b>Procurement</b>					Procurement																															
PS33570	Design Documents Sent to Procurement - PS#0680 Upgrade	85	24-Nov-15 A	17-Feb-16 A	Design Documents Sent to Procurement - PS#0680 Upgrade																															
PS33580	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade	0	24-Nov-15 A	09-Dec-15 A	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade																															
PS33590	Advertise Bid Package - PS#0680 Upgrade	16	24-Nov-15 A	09-Dec-15 A	Advertise Bid Package - PS#0680 Upgrade																															
PS33600	Bid Solicitation Period - PS#0680 Upgrade	0	09-Dec-15 A	08-Jan-16 A	Bid Solicitation Period - PS#0680 Upgrade																															
PS33610	Bids Due - PS#0680 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bids Due - PS#0680 Upgrade																															
PS33620	Bid Review Period - PS#0680 Upgrade	0	09-Jan-16 A		Bid Review Period - PS#0680 Upgrade																															
PS33630	Award Recommendation - PS#0680 Upgrade	12	09-Jan-16 A	20-Jan-16 A	Award Recommendation - PS#0680 Upgrade																															
PS12522	Procurement - PS#0680 Upgrade	0		20-Jan-16 A	Procurement - PS#0680 Upgrade																															
PS33640	Final Approvals - PS#0680 Upgrade	86	24-Nov-15 A	17-Feb-16 A	Final Approvals - PS#0680 Upgrade																															
PS33640	Final Approvals - PS#0680 Upgrade	28	21-Jan-16 A	17-Feb-16 A	Final Approvals - PS#0680 Upgrade																															
PS50800	P.O. Issued - PS#0680 Upgrade	0		17-Feb-16 A	P.O. Issued - PS#0680 Upgrade																															
<b>Construction</b>					Construction																															
PS33650	Contractor Notice to Proceed (NTP) - PS#0680 Upgrade	531	18-Apr-16 A	31-Jul-19	Contractor Notice to Proceed (NTP) - PS#0680 Upgrade																															
PS12532	Construction - PS#0680 Upgrade	228	18-Apr-16 A	01-Dec-16 A	Construction - PS#0680 Upgrade																															

Activity ID	Activity Name	Original Duration	Start	Finish	2016-2024																																			
					2016				2017				2018				2019				2020				2021				2022				2023				2024			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PS12542	Substantial Completion (CD Compliance Date 12/31/18) - PS#0680 Upgrade	0		01-Dec-16 A	♦ Substantial Completion (CD Compliance Date 12/31/18) - PS#0680 Upgrade																																			
PS40910	Project Closeout - PS#0680 Upgrade	303	02-Dec-16 A	31-Jul-19*	Project Closeout - PS#0680 Upgrade																																			
Project Administration		884	01-May-15 A	31-Jul-19	Project Administration - PS#0680 Upgrade																																			
PS35210	WASD Project Administration - PS#0680 Upgrade	884	01-May-15 A	31-Jul-19	WASD Project Administration - PS#0680 Upgrade																																			
5.17 Upgrade of PS#0037, 0351, 0370, 0403		2070	05-Oct-15 A	04-Jun-21	5.17 Upgrade of PS#0037, 0351, 0370, 0403																																			
Engineering Design		336	05-Oct-15 A	05-Sep-16 A	05-Sep-16 A, Engineering Design																																			
PS71750	EPA Start Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	0	02-Jan-16 A		EPA Start Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403																																			
PS10510	Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	337	05-Oct-15 A	05-Sep-16 A	Engineering Design - Upgrade PS#0037, 0351, 0370, 0403																																			
PS51440	EPA Compliance Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	0		05-Sep-16 A	♦ EPA Compliance Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403																																			
Permitting		314	05-Jun-16 A	15-Apr-17 A	15-Apr-17 A, Permitting																																			
PS71760	EPA Start Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0	06-Sep-16 A		♦ EPA Start Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403																																			
PS10620	Permitting - Upgrade PS#0037, 0351, 0370, 0403	257	05-Jun-16 A	16-Feb-17 A	Permitting - Upgrade PS#0037, 0351, 0370, 0403																																			
PS51450	EPA Compliance Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0		15-Apr-17 A	♦ EPA Compliance Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403																																			
Procurement		173	23-Nov-16 A	15-May-17 A	15-May-17 A, Procurement																																			
PS71770	EPA Start Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403	0	29-Dec-16 A		♦ EPA Start Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403																																			
PS10690	Procurement - Upgrade PS#0037, 0351, 0370, 0403	164	23-Nov-16 A	05-May-17 A	Procurement - Upgrade PS#0037, 0351, 0370, 0403																																			
PS51460	EPA Compliance Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403	0		15-May-17 A	♦ EPA Compliance Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403																																			
Construction		628	12-Apr-17 A	30-Nov-18 A	30-Nov-18 A, Construction																																			
PS71780	EPA Start Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0	16-May-17 A		♦ EPA Start Date for Construction - Upgrade PS#0037, 0351, 0370, 0403																																			
PS10720	Construction - Upgrade PS#0037, 0351, 0370, 0403	203	12-Apr-17 A	30-Apr-18 A	Construction - Upgrade PS#0037, 0351, 0370, 0403																																			
PS10750	Substantial Completion (CD Compliance Date 11/20/18) - Upgrade PS#0037, 0351, 0370, 0403	0		30-Apr-18 A	♦ Substantial Completion (CD Compliance Date 11/20/18) - Upgrade PS#0037, 0351, 0370, 0403																																			
PS51470	EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0		30-Nov-18 A	♦ EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403																																			
5.17 (1) Pump Station 0037 Compliance Project		978	05-Oct-15 A	30-Aug-19	30-Aug-19, 5.17 (1) Pump Station 0037 Compliance Project																																			
Pre-Design		69	31-Jan-16 A	08-Apr-16 A	08-Apr-16 A, Pre-Design																																			
PS20330	Negotiate Design Scope & Fee - PS#0037 Compliance Project	69	31-Jan-16 A	08-Apr-16 A	Negotiate Design Scope & Fee - PS#0037 Compliance Project																																			
Engineering Design		315	05-Oct-15 A	15-Aug-16 A	15-Aug-16 A, Engineering Design																																			
PS35020	Site Selection - PS#0037 Compliance Project	2	23-Nov-15 A	24-Nov-15 A	Site Selection - PS#0037 Compliance Project																																			
PS35010	Preliminary Engineering/Site Assessment Report - PS#0037 Compliance Project	79	05-Oct-15 A	22-Dec-15 A	Preliminary Engineering/Site Assessment Report - PS#0037 Compliance Project																																			
PS35030	Land Acquisition - PS#0037 Compliance Project	98	24-Nov-15 A	29-Feb-16 A	Land Acquisition - PS#0037 Compliance Project																																			
PS50480	30% Design Submittal - PS#0037 Compliance Project	53	12-Apr-16 A	03-Jun-16 A	30% Design Submittal - PS#0037 Compliance Project																																			
PS50490	30% Design Review - PS#0037 Compliance Project	7	04-Jun-16 A	10-Jun-16 A	30% Design Review - PS#0037 Compliance Project																																			
PS50500	90% Design Submittal - PS#0037 Compliance Project	56	11-Jun-16 A	05-Aug-16 A	90% Design Submittal - PS#0037 Compliance Project																																			
PS12552	Engineering Design - PS#0037 Compliance Project	316	05-Oct-15 A	15-Aug-16 A	Engineering Design - PS#0037 Compliance Project																																			
PS41180	90% Design Review - PS#0037 Compliance Project	10	06-Aug-16 A	15-Aug-16 A	90% Design Review - PS#0037 Compliance Project																																			
Permitting		255	05-Jun-16 A	15-Feb-17 A	15-Feb-17 A, Permitting																																			
PS41700	Site Plan Approval - PS#0037 Compliance Project	103	05-Jun-16 A	15-Sep-16 A	Site Plan Approval - PS#0037 Compliance Project																																			
PS41730	FDOT Utility Permit - PS#0037 Compliance Project	20	14-Oct-16 A	02-Nov-16 A	FDOT Utility Permit - PS#0037 Compliance Project																																			
PS41710	RER DERM Permit - PS#0037 Compliance Project	108	16-Aug-16 A	01-Dec-16 A	RER DERM Permit - PS#0037 Compliance Project																																			
PS41740	City Of Miami Public Works Permit - PS#0037 Compliance Project	51	24-Oct-16 A	13-Dec-16 A	City Of Miami Public Works Permit - PS#0037 Compliance Project																																			
PS12562	Permitting - PS#0037 Compliance Project	256	05-Jun-16 A	15-Feb-17 A	Permitting - PS#0037 Compliance Project																																			
PS41720	City Of Miami Building Dept Permit - PS#0037 Compliance Project	115	24-Oct-16 A	15-Feb-17 A	City Of Miami Building Dept Permit - PS#0037 Compliance Project																																			
Procurement		140	23-Nov-16 A	12-Apr-17 A	12-Apr-17 A, Procurement																																			
PS33660	Design Documents Sent to Procurement - PS#0037 Compliance Project	0	23-Nov-16 A		♦ Design Documents Sent to Procurement - PS#0037 Compliance Project																																			
PS33670	Submit/Approve SBD Goals and Request to Advertise - PS#0037 Compliance Project	63	23-Nov-16 A	24-Jan-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0037 Compliance Project																																			
PS33680	Advertise Bid Package - PS#0037 Compliance Project	0	25-Jan-17 A		♦ Advertise Bid Package - PS#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	♦ Award Recommendation - PS#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	30-Aug-19	30-Aug-19, Construction																																			
PS33740	Contractor Notice to Proceed (NTP) - PS#0037 Compliance Project	0	09-May-17 A		♦ Contractor Notice to Proceed (NTP) - PS#0037 Compliance 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	30-Aug-19*	Project Closeout - PS#0037 Compliance Project																																			
Project Administration		832	05-Oct-15 A	30-Aug-19	30-Aug-19, Project Administration																																			
PS35200	WASD Project Administration - PS#0037 Compliance Project	832	05-Oct-15 A	30-Aug-19	WASD Project Administration - PS#0037 Compliance Project																																			
5.17 (2) Pump Station No. 0351 Upgrade		797	15-Jan-16 A	31-Jan-19 A	31-Jan-19 A, 5.17 (2) Pump Station No. 0351 Upgrade																																			
Pre-Design		89	15-Jan-16 A	12-Apr-16 A	12-Apr-16 A, Pre-Design																																			
PS20340	Pre-Design - PS#0351 Upgrade	89	15-Jan-16 A	12-Apr-16 A	Pre-Design - PS#0351 Upgrade																																			
Engineering Design		125	12-Apr-16 A	15-Aug-16 A	15-Aug-16 A, Engineering Design																																			
PS50510	30% Design Submittal - PS#0351 Upgrade	53	12-Apr-16 A	03-Jun-16 A	30% Design Submittal - PS#0351 Upgrade																																			
PS50520	30% Design Review - PS#0351 Upgrade	7	04-Jun-16 A	10-Jun-16 A	30% Design Review - PS#0351 Upgrade																																			
PS50530	90% Design Submittal - PS#0351 Upgrade	56	11-Jun-16 A	05-Aug-16 A	90% Design Submittal - PS#0351 Upgrade																																			
PS12602	Engineering Design - PS#0351 Upgrade	126	12-Apr-16 A	15-Aug-16 A	Engineering Design - PS#0351 Upgrade																																			
PS50540	90% Design Review - PS#0351 Upgrade	10	06-Aug-16 A	15-Aug-16 A	90% Design Review - PS#0351 Upgrade																																			
Permitting		196	15-Aug-16 A	27-Feb-17 A	27-Feb-17 A, Permitting																																			
PS41750	RER DERM Permit - PS#0351 Upgrade	113	16-Aug-16 A	06-Dec-16 A	RER DERM Permit - PS#0351 Upgrade																																			
PS12612	Permitting - PS#0351 Upgrade	197	15-Aug-16 A	27-Feb-17 A	Permitting - PS#0351 Upgrade																																			
PS41760	Municipal PW Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A	Municipal PW Permit - PS#0351 Upgrade																																			





Table with columns for Activity ID, Activity Name, Original Duration, Start, Finish, and quarterly breakdowns from 2016 to 2024. It lists various projects such as Miami Gardens Public Works Permit, 5.18 (2) Pump Station 0491 Compliance Project, 5.18 (3) Pump Station 0710 Compliance Project, and 5.18 (4) Pump Station 0827 Compliance Project, each with detailed task bars and milestones.

Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024					
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2				
PS72420	RER/DERM Permit - PS#0827 Compliance Project	114	10-Jul-17 A	05-Jan-18 A																																						
PS13062	Permitting - PS#0827 Compliance Project	154	10-Jul-17 A	13-Jun-18 A																																						
PS72430	County Bldg Dept Permit - PS#0827 Compliance Project	49	19-Jan-18 A	13-Jun-18 A																																						
<b>Procurement</b>		<b>125</b>	<b>28-Feb-18 A</b>	<b>29-Jun-18 A</b>																																						
PS71890	Internal Bid Package Review - PS#0827 Compliance Project	5	28-Feb-18 A	04-Mar-18 A																																						
PS34560	Design Documents Sent to Procurement - PS#0827 Compliance Project	0	05-Mar-18 A																																							
PS34570	Submit/Approve SBD Goals and Request to Advertise - PS#0827 Compliance Project	30	05-Mar-18 A	18-Mar-18 A																																						
PS34580	Advertise Bid Package - PS#0827 Compliance Project	0	19-Mar-18 A																																							
PS34590	Bid Solicitation Period - PS#0827 Compliance Project	45	19-Mar-18 A	19-Apr-18 A																																						
PS34600	Bids Due - PS#0827 Compliance Project	0	20-Apr-18 A																																							
PS34610	Bid Review Period - PS#0827 Compliance Project	15	20-Apr-18 A	22-May-18 A																																						
PS34620	Award Recommendation - PS#0827 Compliance Project	0		22-May-18 A																																						
PS13072	Procurement - PS#0827 Compliance Project	120	05-Mar-18 A	29-Jun-18 A																																						
PS34630	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0827 Compliance Project	30	23-May-18 A	29-Jun-18 A																																						
<b>Construction</b>		<b>386</b>	<b>06-Aug-18 A</b>	<b>20-Sep-19</b>																																						
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-Aug-19																																						
PS723100	Commissioning - PS#0827 Compliance Project	33	30-Jun-19	01-Aug-19																																						
PS13092	Substantial Completion (CD Compliance Date 12/13/19) - PS#0827 Compliance Project	0		01-Aug-19*																																						
PS41020	Project Closeout - PS#0827 Compliance Project	50	02-Aug-19	20-Sep-19*																																						
<b>Project Administration</b>		<b>730</b>	<b>09-Mar-17 A</b>	<b>20-Sep-19</b>																																						
PS35110	WASD Project Administration - PS#0827 Compliance Project	730	09-Mar-17 A	20-Sep-19																																						
<b>5.18 (5) Pump Station 0852 Compliance Project</b>		<b>1018</b>	<b>06-Dec-16 A</b>	<b>19-Sep-19</b>																																						
<b>Pre-Design</b>		<b>112</b>	<b>06-Dec-16 A</b>	<b>27-Mar-17 A</b>																																						
PS20450	Pre-Design - PS#0852 Compliance Project	112	06-Dec-16 A	27-Mar-17 A																																						
<b>Engineering Design</b>		<b>134</b>	<b>28-Mar-17 A</b>	<b>09-Aug-17 A</b>																																						
PS72450	30% Design Submittal - PS#0852 Compliance Project	49	28-Mar-17 A	15-May-17 A																																						
PS72460	30% Design Review - PS#0852 Compliance Project	10	16-May-17 A	25-May-17 A																																						
PS72470	100% Design Submittal - PS#0852 Compliance Project	67	26-May-17 A	31-Jul-17 A																																						
PS13152	Engineering Design - PS#0852 Compliance Project	135	28-Mar-17 A	09-Aug-17 A																																						
PS72480	100% Design Review/Permit Ready Submittal - PS#0852 Compliance Project	9	01-Aug-17 A	09-Aug-17 A																																						
<b>Permitting</b>		<b>261</b>	<b>10-Aug-17 A</b>	<b>30-Mar-18 A</b>																																						
PS72510	Public Work Permit - PS#0852 Compliance Project	49	18-Dec-17 A	21-Dec-17 A																																						
PS72490	RER/DERM Permit - PS#0852 Compliance Project	82	10-Aug-17 A	29-Jan-18 A																																						
PS13162	Permitting - PS#0852 Compliance Project	142	10-Aug-17 A	30-Mar-18 A																																						
PS72500	County Bldg Dept Permit - PS#0852 Compliance Project	49	19-Feb-18 A	30-Mar-18 A																																						
<b>Procurement</b>		<b>123</b>	<b>02-Mar-18 A</b>	<b>02-Aug-18 A</b>																																						
PS71900	Internal Bid Package Review - PS#0852 Compliance Project	3	02-Mar-18 A	04-Mar-18 A																																						
PS34740	Design Documents Sent to Procurement - PS#0852 Compliance Project	0	05-Mar-18 A																																							
PS34750	Submit/Approve SBD Goals and Request to Advertise - PS#0852 Compliance Project	30	06-Mar-18 A	25-Mar-18 A																																						
PS34760	Advertise Bid Package - PS#0852 Compliance Project	0	26-Mar-18 A																																							
PS34770	Bid Solicitation Period - PS#0852 Compliance Project	45	26-Mar-18 A	25-Apr-18 A																																						
PS34780	Bids Due - PS#0852 Compliance Project	0	26-Apr-18 A																																							
PS34790	Bid Review Period - PS#0852 Compliance Project	15	26-Apr-18 A	31-May-18 A																																						
PS34800	Award Recommendation - PS#0852 Compliance Project	0		31-May-18 A																																						
PS13172	Procurement - PS#0852 Compliance Project	120	05-Mar-18 A	02-Aug-18 A																																						
PS34810	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0852 Compliance Project	30	01-Jun-18 A	02-Aug-18 A																																						
<b>Construction</b>		<b>355</b>	<b>04-Sep-18 A</b>	<b>19-Sep-19</b>																																						
PS34820	Contractor Notice to Proceed (NTP) - PS#0852 Compliance Project	0	04-Sep-18 A																																							
PS13182	Construction - PS#0852 Compliance Project	250	04-Sep-18 A	31-Jul-19																																						
PS723110	Commissioning - PS#0852 Compliance Project	60	30-Apr-19 A	31-Jul-19									</																													

WASD Consent Decree Schedule - June 2019 Update		Standard Layout w Baseline (By Phase)					13-Jul-19 15:04 - Page No. 76 of 76																							
Activity ID	Activity Name	Original Duration	Start	Finish	2016			2017				2018			2019			2020			2021			2022			2023		2024	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
PM10015	Substantial Completion - SEP Construction (CD Compliance Date 11/18/19)	0		26-Dec-18 A											◆	Substantial Completion - SEP Construction (CD Compliance Date 11/18/19)														
PM50200	EPA Compliance Date for Construction Summary - SEP	0		18-Nov-19*											◆	EPA Compliance Date for Construction Summary - SEP														
<b>6.0 Supplemental Environmental Project (SEP)</b>					1886	20-Oct-14 A	18-Dec-19	18-Dec-19, 6.0 Supplemental Environmental Project (SEP)																						
Pre-Design					230	20-Oct-14 A	07-Jun-15 A	Pre-Design																						
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	Engineering Design																						
PM20000	Basis of Design Report (BODR) - SEP	99	08-Jun-15 A	14-Sep-15 A	Basis of Design Report (BODR) - SEP																									
PM20010	BODR Review Period - SEP	53	15-Sep-15 A	06-Nov-15 A	BODR Review Period - SEP																									
PM21111	Negotiate Scope & Fee for Balance of Design - SEP	173	28-Aug-15 A	16-Feb-16 A	Negotiate Scope & Fee for Balance of Design - SEP																									
PM20020	30% Design Submittal - SEP	136	17-Feb-16 A	01-Jul-16 A	30% Design Submittal - SEP																									
PM20030	30% Design Review - SEP	17	02-Jul-16 A	18-Jul-16 A	30% Design Review - SEP																									
PM20040	60% Design Submittal - SEP	60	19-Jul-16 A	16-Sep-16 A	60% Design Submittal - SEP																									
PM20050	60% Design Review - SEP	7	17-Sep-16 A	23-Sep-16 A	60% Design Review - SEP																									
PM50360	Engineering Design - SEP	535	08-Jun-15 A	23-Nov-16 A	Engineering Design - SEP																									
PM20060	100% Design Submittal - SEP	61	24-Sep-16 A	23-Nov-16 A	100% Design Submittal - SEP																									
Permitting					301	23-Nov-16 A	19-Sep-17 A	Permitting																						
PM50170	FDOT Permit - SEP	97	23-Nov-16 A	27-Feb-17 A	FDOT Permit - SEP																									
PM50150	RER (DERM) Permit - SEP	106	13-Jan-17 A	28-Apr-17 A	RER (DERM) Permit - SEP																									
PM50160	MDDTPW Permit - SEP	106	13-Jan-17 A	28-Apr-17 A	MDDTPW Permit - SEP																									
PM50390	MDC Fire-Derm Permit - SEP	60	19-Jun-17 A	17-Aug-17 A	MDC Fire-Derm Permit - SEP																									
PM10170	Permitting - SEP	301	23-Nov-16 A	19-Sep-17 A	Permitting - SEP																									
PM50400	FDOH Permit - SEP	33	18-Aug-17 A	19-Sep-17 A	FDOH Permit - SEP																									
Procurement					606	01-Nov-16 A	29-Nov-17 A	Procurement																						
PM50420	GMOU submittal and approval - SEP	22	08-Jun-17 A	29-Jun-17 A	GMOU submittal and approval - SEP																									
PM50210	Internal Bid Package Review - SEP	15	11-Jul-17 A	25-Jul-17 A	Internal Bid Package Review - SEP																									
PM35010	Design Documents Sent to Procurement - SEP	0	26-Jul-17 A		Design Documents Sent to Procurement - SEP																									
PM35020	Request to Advertise - SEP	27	26-Jul-17 A	21-Aug-17 A	Request to Advertise - SEP																									
PM35030	Advertise Bid Package - SEP	0	22-Aug-17 A		Advertise Bid Package - SEP																									
PM50430	39th Street Construction Easement - SEP	606	01-Nov-16 A	03-Oct-17 A	39th Street Construction Easement - SEP																									
PM35040	Bid Solicitation Period - SEP	58	22-Aug-17 A	18-Oct-17 A	Bid Solicitation Period - SEP																									
PM35050	Bids Due - SEP	0	19-Oct-17 A		Bids Due - SEP																									
PM35060	Bid Review Period - SEP	19	19-Oct-17 A	25-Oct-17 A	Bid Review Period - SEP																									
PM35070	Award Recommendation - SEP	0		25-Oct-17 A	Award Recommendation - SEP																									
PM10180	Procurement - SEP	134	26-Jul-17 A	29-Nov-17 A	Procurement - SEP																									
PM35080	Final Approvals (BCC, Mayor, Risk Mgmt.) - SEP	30	26-Oct-17 A	29-Nov-17 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - SEP																									
PM50140	P.O. Issued - SEP	0		29-Nov-17 A	P.O. Issued - SEP																									
Construction					718	18-Dec-17 A	18-Dec-19	Construction																						
PM35090	Contractor Notice to Proceed (NTP) - SEP	0	18-Dec-17 A		Contractor Notice to Proceed (NTP) - SEP																									
PM50560	Construction - SEP Water Supply Line (Non-Consent Decree)	365	18-Dec-17 A	17-Dec-18 A	Construction - SEP Water Supply Line (Non-Consent Decree)																									
PM10010	Construction - SEP	365	18-Dec-17 A	26-Dec-18 A	Construction - SEP																									
PM50570	Commissioning - SEP	60	27-Oct-18 A	26-Dec-18 A	Commissioning - SEP																									
PM50410	Substantial Completion (CD Compliance Date 11/18/19) - SEP	0		26-Dec-18 A	Substantial Completion (CD Compliance Date 11/18/19) - SEP																									
PM50110	Project Closeout - SEP	90	27-Dec-18 A	30-Aug-19*	Project Closeout - SEP																									
PM10160	SEP Completion Report to EPA	30	19-Nov-19	18-Dec-19*	SEP Completion Report to EPA																									
Project Administration					1403	08-Jun-15 A	30-Aug-19	Project Administration																						
PM50100	WASD Project Administration - SEP	1403	08-Jun-15 A	30-Aug-19	WASD Project Administration - SEP																									
<b>6.1 SEP (Early Phase Work)</b>					848	09-Jun-15 A	01-May-17 A	6.1 SEP (Early Phase Work)																						
Engineering Design					41	09-Jun-15 A	20-Jul-15 A	Early Phase SEP																						
PM30000	Design - Early Phase SEP	42	09-Jun-15 A	20-Jul-15 A	Design - Early Phase SEP																									
Permitting					3	21-Jul-15 A	23-Jul-15 A	Permitting																						
PM30010	Permitting - Early Phase SEP	3	21-Jul-15 A	23-Jul-15 A	Permitting - Early Phase SEP																									
Procurement					95	08-Sep-15 A	11-Dec-15 A	Procurement																						
PM35100	Design Documents Sent to Procurement - Early Phase SEP	0	08-Sep-15 A		Design Documents Sent to Procurement - Early Phase SEP																									
PM35110	Submit/Approve SBD Goals and Request to Advertise - Early Phase SEP	21	08-Sep-15 A	28-Sep-15 A	Submit/Approve SBD Goals and Request to Advertise - Early Phase SEP																									
PM35120	Advertise Bid Package - Early Phase SEP	0	28-Sep-15 A		Advertise Bid Package - Early Phase SEP																									
PM35130	Bid Solicitation Period - Early Phase SEP	23	28-Sep-15 A	20-Oct-15 A	Bid Solicitation Period - Early Phase SEP																									
PM35140	Bids Due - Early Phase SEP	0	21-Oct-15 A		Bids Due - Early Phase SEP																									
PM35150	Bid Review Period - Early Phase SEP	9	21-Oct-15 A	29-Oct-15 A	Bid Review Period - Early Phase SEP																									
PM35160	Award Recommendation - Early Phase SEP	0		29-Oct-15 A	Award Recommendation - Early Phase SEP																									
PM35170	Final Approvals (BCC, Mayor, Risk Mgmt.) - Early Phase SEP	18	30-Oct-15 A	16-Nov-15 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Early Phase SEP																									
PM50180	P.O. Issued - Early Phase SEP	0		16-Nov-15 A	P.O. Issued - Early Phase SEP																									
PM30020	Procurement - Contractor Bid & Award - Early Phase SEP	95	08-Sep-15 A	11-Dec-15 A	Procurement - Contractor Bid & Award - Early Phase SEP																									
Construction					660	14-Dec-15 A	01-May-17 A	Construction																						
PM35180	Contractor Notice to Proceed (NTP) - Early Phase SEP	0	14-Dec-15 A		Contractor Notice to Proceed (NTP) - Early Phase SEP																									
PM30030	Construction - Early Phase SEP	247	14-Dec-15 A	16-Aug-16 A	Construction - Early Phase SEP																									
PM50120	Project Closeout - Early Phase SEP	413	17-Aug-16 A	01-May-17 A	Project Closeout - Early Phase SEP																									
Project Administration					848	09-Jun-15 A	01-May-17 A	Project Administration																						
PM50090	WASD Project Administration - Early Phase SEP	848	09-Jun-15 A	01-May-17 A	WASD Project Administration - Early Phase SEP																									

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

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**MIAMI-DADE WATER AND SEWER DEPARTMENT**  
**Consolidated Financial Projection - Wastewater Systems (\$000)**  
**Fiscal Year Actuals Year to Date (October - March 2019)**  
**(On an accrual basis )**

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

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

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

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

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

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

	Unaudited FY 2019			FY 2018	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
<b>OPERATING REVENUES</b>					
Retail Water	-	-	-	-	-
Retail Wastewater	150,945,056.91	153,935,502.00	(2,990,445.09)	140,857,034.00	10,088,022.91
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	33,698,285.98	38,683,140.00	(4,984,854.02)	33,271,339.94	426,946.04
Other Revenues	7,014,903.61	6,674,979.00	339,924.61	6,774,962.39	239,941.22
<b>TOTAL OPERATING REVENUES</b>	<b>191,658,246.50</b>	<b>199,293,621.00</b>	<b>(7,635,374.50)</b>	<b>180,903,336.33</b>	<b>10,754,910.17</b>
<b>OPERATING &amp; MAINTENANCE EXPENSES</b>					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	15,605,093.85	17,145,246.78	1,540,152.93	15,198,879.91	(406,213.94)
Sewer Pumping	22,952,874.43	21,010,500.42	(1,942,374.01)	21,562,370.03	(1,390,504.40)
Sewer Treatment and Disposal	48,241,685.40	54,268,754.06	6,027,068.66	48,381,899.04	140,213.64
Customer Accounting	1,823,823.17	1,762,395.70	(61,427.47)	1,683,212.34	(140,610.83)
Customer Service	5,756,533.17	5,482,619.41	(273,913.76)	5,327,951.75	(428,581.42)
General and Administration	26,698,857.42	31,502,521.58	4,803,664.16	20,031,618.58	(6,667,238.84)
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
<b>TOTAL OPERATING &amp; MAINTENANCE EXPENSES</b>	<b>121,078,867.43</b>	<b>131,172,037.95</b>	<b>10,093,170.52</b>	<b>112,185,931.65</b>	<b>(8,892,935.78)</b>
<b>OPERATING INCOME BEFORE DEPRECIATION</b>	<b>70,579,379.07</b>	<b>68,121,583.05</b>	<b>2,457,796.02</b>	<b>68,717,404.68</b>	<b>1,861,974.39</b>
Depreciation	63,404,835.28	126,855,000.00	63,450,164.72	61,544,972.94	(1,859,862.34)
<b>OPERATING INCOME (LOSS)</b>	<b>7,174,543.79</b>	<b>(58,733,416.95)</b>	<b>65,907,960.74</b>	<b>7,172,431.74</b>	<b>2,112.05</b>
<b>NON-OPERATING REVENUE (EXPENSE)</b>					

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

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

	Unaudited FY 2019			FY 2018	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
Customer Connection Fees	14,815,244.33	-	14,815,244.33	15,143,629.20	(328,384.87)
Other Revenue	2,049,529.35	-	2,049,529.35	2,624,913.83	(575,384.48)
Other Expense	-	-	-	-	-
Change in Fair Value	-	-	-	-	-
Interest Income	4,227,610.79	-	4,227,610.79	2,429,602.54	1,798,008.25
Interest Expense	(39,853,402.27)	-	(39,853,402.27)	(37,548,285.98)	(2,305,116.29)
Capitalized Interest	(472,428.63)	-	(472,428.63)	28,488,081.42	(28,960,510.05)
Amortization of Debt Issue	(4,567,663.53)	-	(4,567,663.53)	(7,892,590.03)	3,324,926.50
Operating Disaster Revenue	-	-	-	-	-
Operating Grants	-	-	-	-	-
Job Order Recovery	(27,880.02)	-	(27,880.02)	315,053.27	(342,933.29)
Job Order Expenses	(972,178.25)	-	(972,178.25)	(319,487.84)	(652,690.41)
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	-	-	-	-
Non-O&M Activity	-	-	-	-	-
<b>TOTAL NON-OPERATING REVENUE (EXPENSE)</b>	<b>(24,801,168.23)</b>	<b>-</b>	<b>(24,801,168.23)</b>	<b>3,240,916.41</b>	<b>(28,042,084.64)</b>
<b>INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS</b>	<b>(17,626,624.44)</b>	<b>(58,733,416.95)</b>	<b>41,106,792.51</b>	<b>10,413,348.15</b>	<b>(28,039,972.59)</b>
Capital Contributions	4,634,427.82	-	4,634,427.82	6,243,849.34	(1,609,421.52)
<b>INCREASE (DECREASE) IN NET POSITION</b>	<b>(12,992,196.62)</b>	<b>(58,733,416.95)</b>	<b>45,741,220.33</b>	<b>16,657,197.49</b>	<b>(29,649,394.11)</b>

**Miami-Dade Water and Sewer Department  
GL O&M Expense Analysis by O&M Activity  
As of March 31, 2019**

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

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

**Miami-Dade Water and Sewer Department  
GL O&M Expense Analysis by O&M Activity  
As of March 31, 2019**

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

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

**Miami-Dade Water and Sewer Department  
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	Annual Budget 2019	CURRENT MONTH		YEAR-TO-DATE				
		Actual 2019	Budget 2019	Actual 2019	Budget 2019	Actual 2018	Budget 2018	
520622	Install Mech/Hvac-Refr Eq (SP)	41,000	-	3,395	2,827	18,835	3,242	19,770
520662	Maint. of Mech Hvac Equip (SP)	40,200	482	3,329	3,287	18,468	2,176	19,095
520778	Maint. of Plumbing Equip (SP)	5,000	3,156	414	18,652	2,297	7,275	964
520872	Misc Projects/Tasks (SP)	5,000	6	414	5	2,297	16,029	723
520902	Carpentry (SP)	1,500	-	124	-	689	612	482
520906	Locksmith Services (SP)	-	170	-	1,405	-	75	-
520910	Masonry (SP)	-	-	-	12	-	-	-
520914	Painting (SP)	-	-	-	-	-	2,835	-
520922	Structural Misc Task (SP)	5,000	11,228	414	14,293	2,297	21,690	723
630112	Hazardous Waste Disposal (SP)	-	-	-	(15,010)	-	-	-
630114	Sewer Pumping (SP)	462,400	14,307	38,287	43,460	212,427	8,402	236,712
650001	Sewer Pumping (SP)	-	-	-	7,396	-	20,785	-
810001	Sewer Pumping Activities (SP)	-	-	-	(9,014)	-	(72,730)	-
811016	Telemetry/SCADA (SP)	567,787	91,506	65,793	1,113,435	294,067	966,126	912,247
830001	Adm&Gnl (SP)	1,714,798	201,022	139,365	918,495	826,535	897,738	1,078,958
830002	Adm&Gnl-Admin Support (SP)	638,480	39,959	51,589	227,504	316,750	206,771	586,541
830003	Adm&Gnl-Training (SP)	20,900	7,470	1,731	21,312	9,601	8,232	9,596
830004	Adm&Gnl-Supv (SP)	201,194	18,112	16,257	110,241	99,794	97,435	100,953
830005	Adm&Gnl-Other (SP)	363,043	67,057	30,125	465,478	170,456	613,532	171,092
830200	Operations (SP)	-	8,621	-	41,972	-	42,747	-
830201	OP-Shutdowns (SP)	124	-	10	-	62	65	50
830203	OP-Supv (SP)	1,253,798	120,763	101,754	587,838	622,698	455,688	511,104
830205	OP-Operations (SP)	112,567	19,147	9,095	69,113	55,845	132,326	-
830206	OP-Other (SP)	7,200,633	113,441	581,950	967,460	3,571,406	1,033,861	3,093,222
830300	Equipment (SP)	7,108,400	1,004,334	540,590	3,626,454	3,511,103	3,474,220	3,604,642
830301	Equip-Routine (SP)	5,606,825	307,708	453,564	1,907,930	2,773,872	1,838,681	2,552,027
830302	Equip-Preventive (SP)	791,498	48,739	64,014	377,599	391,539	384,165	15,480
830303	Equip-Predictive (SP)	2,300	9,303	190	34,308	1,057	23,896	434
830304	Equip-Corrective (SP)	6,238,978	1,276,283	517,146	6,719,844	2,947,875	6,053,351	3,001,961
830305	Equip-Engineering (SP)	-	-	-	-	-	-	96
830306	Equip-Supervision (SP)	877,242	82,123	71,317	511,121	435,786	434,993	411,566
830307	Equip-Other (SP)	39,773	19,777	3,296	316,206	18,345	214,750	89,841
830401	GroundsRoutine (SP)	10,000	-	828	2,826	4,594	1,447	-
830404	GroundsCorrective (SP)	1,000	1,050	83	1,578	459	8,247	338
830407	GroundsOther (SP)	100	-	8	-	46	-	-
830500	Structures (SP)	16,100	891	1,334	1,728	7,420	12,828	71,676
830501	Struct-Routine (SP)	113,300	87,158	9,420	482,085	51,815	500,793	34,768
830502	Struct-Preventive (SP)	-	1,095	-	2,331	-	418	96

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

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



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

**Miami-Dade Water and Sewer Department**  
**Wastewater Capital Expenditures by Project/Sub-Projects**  
Data for 10/1/18 through 3/31/19

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

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1019	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	\$20,968
1021	PUMP STATION GENERATORS AND MISCELLANEOUS UPGRADES	102164	REPLACEMENT OF CONE VALVES AT PS# 1310	\$1,586,263
1023	WASTEWATER TELEMETERING SYSTEM	100621	TELEMETERING SYSTEM - WASTEWATER	\$45,224
1024	WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$8,001,034
1025	LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS	100623	LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	\$386,738
1027	WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	\$48,810
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	\$3,158,838
1027	WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	\$699,291
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$5,310,688
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	101732	SECURITY PROJECTS	\$14,705
1040	OCEAN OUTFALL LEGISLATION REGULATORY	101867	CDWWTP HLD FILTERS (141 MGD) (CT-2)	\$759,229
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102007	NDWWTP- BZ DEEP INJECTION WELLS (NE-2) (WIFIA)	\$54,679
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102010	CDWWTP- BZ DEEP INJECTION WELLS (CE-2) (WIFIA)	\$237,008
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102038	CDWWTP - CENTRATE INJECTION WELL (CE-4)	\$99,870
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102073	CDWWTP - PEAK FLOW TREATMENT (CT-3)	
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102096	CDWWTP PUMP STATION FOR CENTRATE WELL (CE-3)	\$7,018,055
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102138	OWNERS REPRESENTATIVE SERVICES FOR OOL PROGRAM AND WASTEWATER SYSTEM	\$10,128,206
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102150	SE-2 SDWWTP BZ DEEP MUNICIPAL INJECTION WELLS (WIFIA)	\$80,124
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102222	CDWWTP ELECTRICAL DISTRIBUTION BUILDINGS 2 AND 3 (CT-3C)	\$2,093
1041	GENERAL OBLIGATION BOND (GOB)	101612	SANITARY SEWER NEEDS ASSESSMENT	\$161,396
1042	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	101967	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	\$122,512
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102500	SDWWTP - Headworks	\$92,998

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1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102501	SDWWTP - Oxygen Production	\$594,017
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102502	SDWWTP - Oxygenation Trains	\$81,190
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102503	SDWWTP - Chlorine Building	\$51,297
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102504	SDWWTP - Effluent Pump Station	\$455,178
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102506	SDWWTP - Digesters and Control Buildings	\$15,839,751
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102507	SDWWTP - Dewatering Facility	\$13,494
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102508	SDWWTP - FOG Removal Facility	\$2,997,673
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102509	SDWWTP - Odor Control	\$196,317
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102510	SDWWTP - General Electrical	\$143,126
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102511	SDWWTP - Chlorine Contact Chamber Structural	\$124,003
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102600	CDWWTP - Electrical Improvements	\$197,308
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102601	CDWWTP - Building improvements	\$10,786
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102602	Headworks Plant 1	\$1,401,283
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102603	CDWWTP - Headworks Plant 2	\$760,820
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102604	CDWWTP - Oxygenation Trains Plant 1	\$16,036
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102606	CDWWTP - Secondary Clarifiers Plant 1	\$16,106
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102607	CDWWTP - Secondary Clarifiers Plant 2	\$482,255

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PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	EXPENDITURES FROM 10/1/18 - 3/31/19
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102608	CDWWTP - RS Pump Stations Plant 1	\$196,224
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102609	CDWWTP - RS Pump Stations Plant 2	\$9,161
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102610	CDWWTP - Effluent Pump Station	\$100,582
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102613	CDWWTP - Digesters Plant 1	\$37,145
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102614	CDWWTP - Digesters Plant 2	\$11,530,217
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102615	CDWWTP - Dewatering Building	\$170,797
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102616	CDWWTP - Chlorination Facilities	\$1,166,101
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102618	CDWWTP - Co-Gen Facility	\$13,572,281
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102620	CDWWTP - Pump Station 1	\$1,928,959
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102621	CDWWTP - Pump Station 2	\$679,239
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102624	CDWWTP -Ventilation Improvements	\$183,625
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102626	CDWWTP - Oxygen Production	\$39,315
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102628	CONSENT DECREE PROGRAM MANAGEMENT & CONSTRUCTION MANAGEMENT	\$7,045,431
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$286,143
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102701	NDWWTP - Primary Clarifiers and Odor Control	\$4,897,152
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102703	NDWWTP - Oxygen Production	\$238,765
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102704	NDWWTP - Secondary Clarifiers	\$142,230

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PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	EXPENDITURES FROM 10/1/18 - 3/31/19
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102705	NDWWTP - Disinfection	\$11,816
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102706	NDWWTP - Effluent Disposal	\$216,894
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102800	Collection System I/I Repairs	\$5,199,822
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102804	South Dade 54 inch PCCP FM Rehabilitation	\$645,100
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102807	Rehabilitation of 54 inch PCCP FM in the City of Miami	\$928,534
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102808	Replace Approximately 25 miles of AC force mains	\$3,551,348
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$1,349,305
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102900	DORAL BASIN - UPGRADE SEWAGE PS No. 418	\$1,480,747
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102902	Upgrade of PS#0692	\$466,597
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102903	Replacement of Switchgear PS#0414	\$1,976,105
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102904	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	\$2,543,194
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102905	Replacement of Switchgear PS#0416	\$2,132,426
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102906	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	\$659,942
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102908	Replacement of Plumbing and Electrical Equipment at PS#0301	\$239,402
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102909	Upgrade of PS#0488	\$10,949
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102910	Installation of 60 inch FM from Kendall Dr to PS#0536	\$1,100,058
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102911	Replacement of Switchgear at PS#0187	\$243,044

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1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102914	Upgrade of PS #0065, 0201, 0334, 0374, 0607	\$36,828
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102915	Upgrade of PS #00198, 0437, 0466, 0680	\$316,935
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$117,795
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102917	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	\$1,484,666
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103000	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY AND FORCE MAINS	\$808,257
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103001	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP STATIONS	\$135,036
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103002	SUPPLEMENTAL ENVIRONMENT PROJECT (SEP)	\$2,156,759
1048	OCEAN OUTFALL LEGISLATION CAPACITY	101757	48/36/42-INCH FM FROM INTERCEPTOR TO PS 2 DISCHARGE - BISCAYNE BASIN IMPROVEMENTS (CL-1)	\$3,195,566
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102055	ST-1 TO SDWWTP UPGRADES TO 121 MGD ADF	\$1,843,204
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102056	ST-2 SDWWTP UPGRADES FROM 121 MGD TO 131 MGD ADF	\$3,808,842
1048	OCEAN OUTFALL LEGISLATION CAPACITY	103011	SDWWTP - Electrical Building (ST-2D)	\$179,320
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101710	MASTER PUMP STATION NO. 3 (FORMERLY P.S. 8)	\$42,289
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102192	OUT OF COMPLIANCE PUMP STATIONS	\$473,602
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102012	SOUTHWEST DADE BOOSTER STATION (SP-1)	\$240,676
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102078	SL-3A TO 48"/54" FM FROM SP-1 TO INTERSECTION OF SW 137th AVE/SW 136th St.	\$68,449
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102079	SL-2 TO 54"/60" FM FROM SP-1 TO SL-1B	\$225,360
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102121	SL-1 TO SL-1B.2: 54/72" FM CONNECTION FROM SW 248th ST/SW 112th AVE TO SDWWTP	\$240,596
1048	OCEAN OUTFALL LEGISLATION CAPACITY	102158	SL-3B TO 48"/54" FM ALONG 137th AVE FROM SW 136th St TO SW 104th ST	\$330,096

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			TOTAL	\$164,833,059