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VIA ELECTRONIC CORRESPONDENCE

July 30, 2018

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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 – 2018
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 2018 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, 2018 through June 30, 2018. The report also includes the anticipated work to be completed over the next two calendar quarters through December 31, 2018.

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,



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

Attachment: 2018 Semi-Annual Report No. 1

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2018 Semi-Annual Report No. 1 (Eighth Semi-Annual Report)

January 1, 2018 through June 30, 2018

Prepared for

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

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

Prepared by

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



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Acronyms and Abbreviations

AASIS	Active As-built Supplemental Information Systems
AC	Asbestos Cement
BODR	Basis of Design Report
CD	Consent Decree
CDWWTP	Central District Wastewater Treatment Plant
CIP	Capital Improvement Project
CIPP	Cured in Place Pipe
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
GSS	Gravity Sewer System

Acronyms and Abbreviations (continued)

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
VSC	Volume Sewer Customer

Acronyms and Abbreviations (continued)

WASD	Miami-Dade Water and Sewer Department
WCTL	Wastewater Collection and Transmission Line
WCTS	Wastewater Collection and Transmission System
WWTP	Wastewater Treatment Plant

1.0 Executive Summary

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

The County submits this Semi-Annual Report ("Report") to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) for review and comment in accordance with the requirements of Paragraph 33 of the CD. In accordance with the CD, this Report includes a description of the projects and activities completed and milestones achieved during the previous two calendar quarters (January 1, 2018 through June 30, 2018), and also provides projections for significant projects and activities anticipated to be completed in the next two calendar quarters (July 1, 2018 through December 31, 2018).

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 the "First Annual FOG Control Program Review Report" submittal. The County failed to meet the submittal requirements for the report as required by the CD (including specified certification language, distribution, and posting of the deliverable on the Public Document Repository (PDR) within 24 hours of submittal). The County has acknowledged this noncompliance and has implemented corrective actions/communications to rectify the issue, to ensure compliance with submittal requirements, and to prevent future incidents.

The County continues to be fully engaged with the successful implementation and compliance of the CD. First, with the continued development and implementation of the nine new CMOM Program (CD Section VI, Paragraph 19) all of which have been approved as of this reporting period. Second, with the execution of the eighty-one (81) capital improvement projects included in Appendix D which have an approximate total cost of \$1.92 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, twenty-four (24) projects with a total cost of \$302M have been completed and more than forty (40) projects with an approximate total cost of \$1.03 billion are currently in the procurement and construction phases. Despite the significant efforts and progress up to date, the County has encountered challenges that have delayed the completion of certain capital improvement projects. On

December 22, 2017, the County submitted a correspondence detailing the challenges being encountered and a request for non-material schedule modifications of forty-three (43) projects. The modifications of these project schedules were approved by EPA and FDEP on April 11, 2018.

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

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Make available a copy of each specified Deliverable in the Public Document Repository (PDR) no later than one business day from submission	Section V, para. 9	Ongoing	Ongoing	Yes
Ensure Adequate Pumping, Transmission and Treatment Capacity under the conditions of CD Appendix A	Section VI, para. 18(a)	Ongoing	Ongoing	Yes
Continue implementing existing Pump Station Remote Monitoring Program	Section VI, para. 18(b)	Ongoing	Ongoing	Yes
Continue implementing existing Spare Parts Program	Section VI, para. 18(d)	Ongoing	Ongoing	Yes
Continued Implementation of Sanitary Sewer Overflow (SSO) Identification and Reporting	Section VI, para. 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes
Submit Payment of FDEP Demand for Stipulated Penalties	Section X, para. 42(a) and Order Modifying Section X	Within 30 days of receipt	1/5/2018	Yes
Post Payment of FDEP Demand for Stipulated Penalties in PDR	Section V, para. 9	1 business day after submittal	1/5/2018	Yes
Submit Failure to Meet Compliance Date for CD CIP 5.17	Section VI, para. 19(i) & Section XVII, para 77	N/A	1/10/18	Yes
Post Failure to Meet Compliance Date for CD CIP 5.17 in PDR	Section V, para. 9	1 business day after submittal	1/10/2018	Yes
Submit Response to EPA and FDEP Request for Additional Information on WWTP OMP	Section VI, para. 19(h)	1/29/2018	1/29/2018	Yes
Post Response to EPA and FDEP Request for Additional Information on WWTP OMP in PDR	Section V, para. 9	1 business day after submittal	1/29/2018	Yes
Submit 2017 Quarterly Report No. 4	Section IX, para. 32	1/31/2018	1/31/2018	Yes
Post 2017 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2018	Yes

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Submit 2017 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2018	1/31/2018	Yes
Post 2017 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2018	Yes
Submit Delay Notification Letter for CD CIP 4.10, Opa-Locka Airport 48-inch PCCP Force Main Replacement	Section XI, para. 52 & Section XVII, para. 77	2/1/2018	2/1/2018	Yes
Post Delay Notification Letter for CD CIP 2.17, Chlorination Facilities at the CD WWTP in PDR	Section V, para. 9	1 business day after submittal	2/1/2018	Yes
Submit Notification of Completion for CD CIP 5.16 (1) – Upgrade of PS 0198	Section XI, para. 19(i)	N/A	2/2/2018	Yes
Post Notification of Completion for CD CIP 5.16 (1) – Upgrade of PS 0198 in PDR	Section V, para. 9	1 business day after submittal	2/2/18	Yes
Submit Potential Delay Notification Letter for CD CIP 2.5 - CD WWTP Oxygenation Trains Plant 1	Section XI, para. 52 & Section XVII, para. 77	2/13/2018	2/13/2018	Yes
Post Potential Delay Notification Letter for CD CIP 2.5 - Oxygenation Trains Plant 1 at CD WWTP in PDR	Section V, para. 9	1 business day after submittal	2/13/2018	Yes
Submit Response to EPA and FDEP Comments on Hauled Waste Manual	Section VI, para. 19(h)	2/13/2018	2/13/2018	Yes
Post Response to EPA and FDEP Comments on Hauled Waste Manual in PDR	Section V, para. 9	1 business day after submittal	2/14/2018	Yes
Submit Potential Delay Notification Letter for CD CIP 5.18 – Upgrade of PS # 0441, 0491, 0710, 0827, 0852, 1236	Section XI, para. 52 & Section XVII, para. 77	2/24/18	2/23/2018	Yes
Post Potential Delay Notification Letter for CD CIP 5.18 – Upgrade of PS # 0441, 0491, 0710, 0827, 0852, 1236 in PDR	Section V, para. 9	1 business day after submittal	2/23/2018	Yes

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Submit 2017 Annual Report	Section IX, para. 34	3/1/2018	3/1/2018	Yes
Post 2017 Annual Report in PDR	Section V, para. 9	1 business day after submittal	3/1/2018	Yes
Submit Potential Delay Notification Letter for CD CIP 5.1 – Upgrade of PS # 0418	Section XI, para. 52 & Section XVII, para. 77	3/28/2018	3/28/2018	Yes
Post Potential Delay Notification Letter for CD CIP 5.1 – Upgrade of PS # 0418 in PDR	Section V, para. 9	1 business day after submittal	3/28/2018	Yes
Submit 2018 Quarterly Report No. 1	Section IX, para. 32	5/1/2018	4/30/2018	Yes
Post 2018 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	4/30/2018	Yes
Submit Request for Material Change – CD CIP 2.14 CD WWTP Digester Plant 1	Section VI, para. 19(i) and Section XX	N/A	5/21/2018	Yes
Post in Request for Material Change – CD CIP 2.14 CD WWTP Digester Plant 1 in PDR	Section V, para. 9	1 business day after submittal	5/21/2018	Yes
Submit Force Majeure Notification for CD CIPs 1.6, 1.8, 2.12, 2.13, 2.16 and 2.18(2)	Section XI, para. 52 & Section XVII, para. 77	6/8/2018	6/6/2018	Yes
Post Force Majeure Notification for CD CIPs 1.6, 1.8, 2.12, 2.13, 2.16 and 2.18(2) in PDR	Section V, para. 9	1 business day after submittal	6/6/2018	Yes
Submit First Annual FOG Control Program Review Report	Section VI, para. 19(a)	6/30/2018	6/29/3018	Yes
Post First Annual FOG Control Program Review Report in PDR	Section V, para. 9	1 business day after submittal	7/6/2018	No
Completion of CD CIP 2.5 Oxygenation Trains Plant 1 at CD WWTP	Section VI, para. 19(i)	4/12/2019	6/22/2018	Yes
Completion of CD CIP 3.1 Headworks and Sludge Degritting Transfer at ND WWTP	Section VI, para. 19(i)	4/7/2018	12/06/2017	Yes
Completion of CD CIP 3.7 Effluent Disposal at ND WWTP	Section VI, para. 19(i)	12/28/2021	06/18/2018	Yes

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Completion of CD CIP 4.4 North Dade 72- inch PCCP FM Rehabilitation	Section VI, para. 19(i)	03/05/2018	05/05/2016	Yes
Completion of CD CIP 4.10 Opa-Locka Airport 48-inch PCCP force main replacement	Section VI, para. 19(i)	10/25/2018	05/11/2018	Yes
Completion of CD CIP 5.8 Replacement of Electrical and Mechanical Equipment PS No. 0107	Section VI, para. 19(i)	01/27/2019	02/23/2018	Yes
Completion of CD CIP 5.10 Upgrade of PS No. 0488	Section VI, para. 19(i)	05/09/2018	12/08/2016	Yes
Completion of CD CIP 5.16 Upgrades of PSs Nos. 0198, 0437, 0466 and 0680	Section VI, para. 19(i)	12/31/2018	01/24/2018	Yes
Completion of CD CIP 5.17 Upgrade of Pump Stations Nos. 0037, 0351, 0370, 0403	Section VI, para. 19(i)	11/20/2018	04/30/2018	Yes

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date
Submit Force Main Criticality Assessment and Prioritization Report	Section VI, para. 19 (g)(ii)	7/17/2018	7/17/2018
Post Force Main Criticality Assessment and Prioritization Report in PDR	Section V, para. 9	1 business day after submittal	1 business day after submittal
Submit 2018 Quarterly Report No. 2	Section IX, para. 32	7/30/2018	7/30/2018
Post 2018 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2018 Semi-Annual Report No. 1	Section IX, para. 33	7/30/2018	7/30/2018
Post 2018 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit CMOM Consolidated Implementation Schedule	Section VI, para 19	8/6/2018	8/6/2018

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

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date
Post CMOM Consolidated Implementation Schedule in PDR	Section V, para. 9	1 business day after submittal	1 business day after submittal
Submit 2018 Quarterly Report No. 3	Section IX, para. 32	10/30/2018	10/30/2018
Post 2018 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Completion of CD CIP 2.17 Chlorination Facilities	Section VI, para. 19(i)	10/15/2018	10/15/2018

Table 1-3 is an “Issues Log” which includes issues that have been identified by MDWASD, 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.

Item	Date	Description	Resolution/Clarification/Decision
1	12/04/15	On the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD presented reasons for rehabilitating 3 clusters/12 digesters at the Central District WWTP, deleting CD Project 2.14 and modifying CD Project 2.15 description. Due to improvements in thickening systems as a result of CD 2.12/2.13/2.16 Thickening and Dewatering, WASD has confirmed that only 2 digester clusters are required to treat the biosolids generated under design conditions and permitted plant capacity.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD submitted a Request for Non-Material Change for CD Appendix D CIP 2.14 and 2.15 on February 8, 2016. At the April 21, 2016 CD Program Monthly Progress Meeting, Brad Ammons mentioned that the formal request for the proposed modification of projects due to improvements in thickening systems for CDWWTP CIPs 2.14 and 2.15 would constitute a material change to the CD for CIP 2.14 since there was no work being done on Digester Clusters 1 & 2. He suggested WASD reassess the possibility of repurposing the CDWWTP Digester Clusters 1 & 2 and resubmit a request for a different proposed modification of CIP 2.14. On May 13, 2016, WASD resubmitted the Request for the Non-Material Change for CD Appendix D CIP 2.15. WASD is reexamining the possibility of repurposing the CDWWTP Digester Clusters 1 & 2 and will resubmit a different request for the modification of CIP 2.14. On August 2, 2016, WASD received EPA and FDEP approval for modification of CIP 2.15. On May 21, 2018, the County submitted a request that CD Project 2.14 CDWWTP Digesters Plant 1 be cancelled and deleted from Amended Appendix D2 of the Consent Decree with detailed justification. This item is pending final decision.

Table 1-3 Issues Log

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

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
5	8/17/17	At the August 17, 2017 EPA/FDEP/WASD teleconference, WASD brought up challenges being experienced in the execution of the CD projects. They include lack of skilled laborers related to market saturation and poor contractor performance. It was agreed that these were issues that will not be able to mitigate delays.	Related to the challenges being experienced in the execution of the CD projects, FDEP mentioned that this will only be exacerbated by the approaching OOL Program project schedules. On December 7, 2017, EPA/FDEP/WASD had a teleconference to discuss Appendix D deadlines and the CD and OOL Programs sequencing/coordination effort. EPA/FDEP asked that the County prepare a Master Letter requesting schedule modifications to all projects discussed to include a justification for the contingencies requested for each project. The issues discussed were considered in the analysis of the proposed "new recommended CIP compliance dates" included in the County's Request for Schedule Modifications correspondence to EPA/FDEP on December 22, 2017. EPA/FDEP approved the County's Request for Schedule Modifications on April 11, 2018.
6	2/13/18	On February 13, 2018, the County advised EPA, FDEP and DOJ that the Public Document Repository (PDR) site would be migrated to a Microsoft cloud-based system. WASD communicated to EPA and FDEP that their Public Information Office (PIO) will continue to provide access to deliverables digitally. Upon request for hard copies, the PIO will provide in accordance with public records law. The migration is still in progress and the new PDR site will be operational before 12/31/2018.	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

Item	Date	Description	Resolution/Clarification/Decision
7	4/19/18	At the April 2018 EPA/FDEP/WASD 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.
8	4/19/18	At the April 2018 EPA/FDEP/WASD CD Program Update Meeting, WASD mentioned that on September 20, 2017, the County sent EPA/FDEP a Force Majeure Notification Letter for Consent Decree Appendix D-2, Capital Improvement Projects in construction due to Hurricane Irma. The letter stated, "The County anticipates the delays of up to fourteen (14) days on projects in construction because of Hurricane Irma." Project 2.24 has been completed 10 days past the compliance date of September 19, 2017. The County contends that if not for the Force Majeure event, this project would have been completed by the compliance date.	EPA/FDEP stated that they would send their determination of whether to assess penalties for completed CD CIP 2.24 CD WWTP Gas Monitoring. This item is pending final decision.

2.0 Introduction

2.1 Purpose

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

2.2 Requirements

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

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

2.3 Reporting Schedule

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

2.4 Reporting Structure

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

3.0 Work Progress

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

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

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

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

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

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

3.3 Supplemental Environmental Project (“SEP”) Plan

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

During the reporting period, the Contractor obtained all necessary construction permits, completed the administrative and technical submittal process, and commenced installing the new gravity sewer system including sanitary manholes and lateral connections. They also commenced with the installation of the new water main. The project is approximately 35% completed.

In the next two calendar quarters, the Contractor will keep working with the installation of the gravity sewer, and the completion of the water main. As of to date, the SEP is on schedule to meet the CD compliance deadline of November 18, 2019.

4.0 Additional Information

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

4.1 State's Ocean Outfall Legislation (OOL)

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

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

During the reporting period, WASD submitted a Wastewater Reuse Feasibility Analysis to FDEP. WASD continues to work with FDEP to address the reclaimed water reuse requirements. WASD will continue adjusting projects and schedules through the design phase. WASD is committed to meeting the objectives and requirements of the OOL.

The design phase for the South District WWTP upgrades is underway (about 50 to 75 percent complete). The Basis of Design Reports for the South District WWTP Phase 1 upgrades will be submitted to FDEP during the next reporting period. The Conceptual Design Report for the Central District WWTP was completed during the reporting period. The Central District WWTP design phase has started. Two industrial injection wells at the Central District WWTP have finished construction and the injection well pump station is under construction. The industrial injection well system will be operational by the end of 2018 to divert nutrients out of the ocean outfall prior to 2025. The conceptual design for the West District WWTP started and it will be completed in the fall. Permitting for an exploratory well at the West District site has begun. Land acquisition for the proposed new western wastewater treatment plant is also proceeding. WASD has approved starting the conceptual design phase for the improvements needed for the North District WWTP, and that is just beginning.

Appendix A Work Progress Tables

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

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	<ol style="list-style-type: none"> 1. Continued with the monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility. 2. Placed under Initial Moratorium (IM) Pump Station basins that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Placed under Incomplete Moratorium (IN) Pump Station basins that that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami-Dade County Code. 4. Continued to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading was detected. 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. 6. Sewer Allocations were de-allocated manually for municipalities according to their monthly reports as submitted to RER-DERM. 7. Held two (2) Quarterly Utility Round Table (URT) Meetings with all Utilities and/or Utility Representatives to discuss/review compliance issues. 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. 	<ol style="list-style-type: none"> 1. Continue monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility. 2. Continue placing under Initial Moratorium (IM) Pump Station basins that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Continue placing under Incomplete Moratorium (IN) Pump Station basins that that fail to submit ET readings or do not submit them by the 14th of the following month, as required by the Miami-Dade County Code 4. Continue to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading is detected. 5. Continue generating the monthly NAPOT Status & Sewer Allocation reports for all Utilities and Building Officials. All Utilities and Building Officials will be notified how to access the NAPOT Status and required to submit the completed Allocation report. 6. Continue manually de-Allocations for all municipalities according to their completed monthly reports submitted to RER-DERM. 7. Will hold two (2) Quarterly Utility Round Table (URT) Meetings with all Utilities and/or Utility Representatives to discuss/review compliance issues. 8. Continue to use/update the PS system/database to track PS basins, new or upgraded with 26 HP or larger, required to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.

Table A-1.1 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.	<p>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.</p> <p>10. Prepared Water & Sewer As-Built / Atlas Guidelines for future submittals by each Utility to assist Plan Review staff in the issuance of Sewer Capacity Allocation Letters.</p> <p>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.</p>	<p>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.</p> <p>10. Will review/discuss the new Water & Sewer As-Built / Atlas Guidelines for future submittals by each Utility with all utilities; first with Miami-Dade Water and Sewer and subsequently with the other utilities.</p> <p>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.</p> <p>12. A final Water & Sewer As-Built / Atlas Guidelines will be presented and provided to all utilities at the next URT Meeting on August 28, 2019, for the next Atlas/As-Built Update submittal due on January 6th, 2019.</p>
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, 2018.

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: 4.9 (48-53, 63), 4.9 (34-43), 4.9 (46).</p> <p>These projects consist on the replacement of asbestos cement pipe (ACP) segments across the system. The projects evaluated affect pipe segments that convey manifolded flows from several lift stations which resulted in the requirement of comprehensive assessment of regional areas of the system. The evaluations were documented in technical memorandums that were submitted to DERM/RER as part of the permitting process.</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&M information and GIS data.</p>	<p>Complete addition of Private Pump Stations (PPS) into the WCTS Hydraulic Model according to Paragraph 18(c)(ii) of the Consent Decree. This effort also includes the adjustment of model inflows for public pump stations to accommodate the additional flows associated with PPS.</p> <p>Maintain coordination with Ocean Outfall Legislation Projects for timely updating of projects into hydraulic model. Update WASD WCTS hydraulic model to Incorporate all model network modifications documented as a result of the calibration process.</p> <p>Complete inclusion of all gravity sewer network elements on Hydraulic Model. Finalize development of a tool that populates missing invert data and eliminates adverse slopes conditions in the gravity system before inclusion in the model software.</p> <p>Complete efforts associated with second stage (Hydraulic) calibration runs for both DWF and WWF and achieve calibration results within calibration criteria standards system wide and complete hydraulic model validation for additional wet weather event simulation.</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>Incorporated latest version of all OOL Projects configuration in the corresponding planning horizon network for the WASD WCTS hydraulic model. Continued efforts to update hydraulic model with information available for CD Projects, Ocean Outfall Legislation Projects, Master Plan Projects, Pump Station Improvement Projects 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 Pump Model.</p> <p>Completed efforts associated with collection of required data for calibration of hydraulic model according to Paragraph 18(c)(iv). Some of tasks associated with this objective included:</p> <ul style="list-style-type: none"> • Selection of Calibration Events • SCADA data compilation for comparison with model results. • Development of RTC for selected calibration events. <p>Efforts continued related to additional updates to Private Pump Stations (PPS) into the WCTS Hydraulic Model according to Paragraph 18(c)(ii) of the Consent Decree.</p>	<p>Through the first quarter of FY2019, the CD PMCM team will develop the required documentation to be submitted to EPA to demonstrate the completion of the WASD sewer system model calibration. The report to be submitted to EPA will complete the first 5-year cycle of the Consent Decree required modeling objectives.</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, these efforts considered the addition and improvement of system facilities based on capital improvement programs (CIP) as the Ocean Outfall Legislation (OOL), Pump Station Improvement Program (PSIP) and CD PMCM 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 Pump Model.</p> <p>Continued inclusion of all gravity sewer network elements on Hydraulic Model. The CD PMCM continued to test the tool that populates missing invert data and eliminates adverse slopes conditions. This tool processes the entire WASD gravity system before inclusion in the model software.</p> <p>The CD Hydraulic Modeling team initiated and advanced efforts associated with second stage (Hydraulic) calibration runs for dry weather flow (DWF) conditions to evaluate accuracy of simulations of discharge pressure and flow at booster pump stations and regional wet well stations throughout the system.</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)	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>The hydraulic modeling team completed additional scenario runs based on modifications to DWF calibration network for the hydraulic model. Adjustments to the network were made based on evaluation of previous model simulations results comparison with SCADA data through the implementation of calibration spreadsheets. These efforts were implemented with the use of the previously re-ensembled regional networks to continue calibration considering system wide interconnectivity.</p> <p>As a result of the efforts focused on model calibration during this time period, the CD PMCM team identified the need for additional information of booster and master pump station operation parameters. Information requirements were documented on a technical memorandum for coordination with WASD operation staff.</p>	
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.

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	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.	1. Monitored and tracked the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.	1. Continue Monitoring and tracked the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.
			2. Placed under Moratorium Pump Station (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).	2. Continue placing under Moratorium Pump Station (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).
			3. Placed under Incomplete Moratorium (IN) Pump Station basins under the jurisdiction of the Volume Customer utilities that failed to submit ET readings, or not submitted, by the 14th of the following month, as required by the Miami-Dade County Code.	3. Continue placing under Incomplete Moratorium (IN) Pump Station basins under the jurisdiction of the Volume Customer utilities that fail to submit ET readings, or do not submit, by the 14th of the following month, as required by the Miami-Dade County Code.
			4. Updated Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.	4. Continue updating Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utilities completed and certified the Corrective Action Plan(s) (CAP) to bring basin's Nominal Average Pump Operating Time (NAPOT) below the 10 hours.
			5. Continued generating the monthly Certification of Nominal Average Pump Operating Time NAPOT Status for each Volume Sewer Customer Utility.	5. Continue generating the monthly Certification of Nominal Average Pump Operating Time NAPOT Status for each Volume Sewer Customer Utility.
			6. Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.	6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.
			7. Continued to review the Volume Sewer Customer's Sanitary Sewer System Evaluations or Amendments submitted. PS moratoriums were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.	7. Continue to review the Volume Sewer Customer's Sanitary Sewer System Evaluations or Amendments when submitted. PS moratoriums will be reverted if the utilities demonstrate compliance with the 5,000 GPDIM SSES Code requirement.

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.	8. All Volume Sewer Customer utilities and/or representatives were reminded about Sanitary Sewer Overflow (SSO) requirements in the last quarterly Utility Round Table (URT-19th) meeting on April, 11, 2018.	8. All Volume Sewer Customer utilities and/or representatives will be reminded about Sanitary Sewer Overflow (SSO) requirements in the next (URT-20th), or a future, quarterly Utility Round Table meeting.

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 "Did You Know" flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters.
			3. Continued FOG Outreach, including workshops (e.g., FOG Round Table 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.	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, including mandatory eManifest reporting.	5. Review FSE FOG Operating Permit (GDOs) conditions and update accordingly, including training requirements.
			6. Continued enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE).	6. Continue enforcement (and compliance assistance) with NGTs Food Service Establishments (FSE). Goal is to achieve 100% compliance by December 2018.
			7. Updated the Liquid Waste Transporter (LWT) permits.	7. Review LWT Permit conditions and update accordingly, including training requirements.
			8. Monitored "NO COMMINGLING of FOG" (implemented April 1, 2017) at the South District Wastewater Treatment Plant. Inspections include 1 day per week and 1 weekend per month.	8. Continue monitoring "NO COMMINGLING of FOG" and take enforcement actions to correct violations, as applicable. Review 1 day per week and 1 weekend per month inspection routine and adjust accordingly.
			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. The FOG Control Program Ordinance was approved by the Board of County Commissioners on February 21, 2018 and became effective March 5, 2018.	10. N/A
			11. Implemented FOG Construction Inspections.	11. 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.
			12. Implemented a monthly FOG Hot Spot reporting process for all utilities, including compliance and enforcement. Established protocol for discussing Hot Spot reporting as part of the Utility Round Table meetings.	12. Continue to track FOG Hot Spots and identify source(s) and root cause(s). Take enforcement as required to remedy FOG Hot Spots.
			13. Continued to work with equipment manufactures to get FOG Control Devices approved for FOG2.0.	13. Continue to work with equipment manufactures to get FOG Control Devices approved for FOG2.0.
			14. Submitted the LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual on February 13, 2018. The guidance manual included guidance and requirements associated with (but not limited to) hauling of FOG waste. The guidance manual was approved by EPA on June 4, 2018.	14. Implement 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, review monthly FOG facility effluent sampling data for parameter trends. Also includes updating training requirements for disposal facilities.
			15. First FOG Control Program Annual Review Report submitted to EPA/FDEP on June 30, 2018.	15. Continue to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program.
				16. Develop or approve training programs for 2019 permitting cycle: GDOs, LWTs, and Disposal Facilities.
				17. Prepare a final Public Outreach program outline and schedule in collaboration with MDC-WASD.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(b)	Sewer Overflow Response Plan	<p>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.</p>	<p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> 1. Continued all required SSO reporting 2. Continued holding monthly SSO evaluation meetings 3. Held a Contractor Outreach Workshop, in coordination with Sunshine 811, on April 4, 2018. 3. Continued the development of Consolidated SSO Database, including the Building Backup Application. 	<p>Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2018.</p>
19(c)	Information Management System Program	<p>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.</p>	<p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> 1. Continued working on transitioning PCTS software from Proliance to e-Builder, to enhance Construction Contracts Management project close-out business practices. 2. Started the development of CMOM dashboard for performance measure and KPI tracking 	<p>Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2018.</p>

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)(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. GIS to Hydraulic Model Interface. - Completed. Updates to continue	Updates to continue
			2. Manhole rim and pipe inverts and their inclusion into GIS - Completed. Updates to continue	Updates to continue
			3. Streamlining the manual as-built to GIS process to satisfy 90 day requirement - Completed	The GIS integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2018 Annual Report.
			4. GIS to Hydraulic Model Integration to satisfy 90 day requirement from GIS to Model - Completed	The GIS integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2018 Annual Report.
			5. GIS Training Refresher Program - Completed	Training courses continue to be offered on a monthly basis or for specific teams as requested.
			6. Electronic As-Built Submittal - Completed	Future enhancements, as necessary
			7. Completion of GIS Backlog - Completed	No further action required
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, 2018.

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(e)	Gravity Sewer System Operations and Maintenance Program	<p>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.</p>	<p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> Continued to deploy Smart Covers to "hot spots" to closely monitor and prevent SSOs, including deploying four (4) new devices during this reporting period. Initiated deployment of mobile technology. 	<p>Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2018.</p>
19(f)	Pump Station Operations and Preventative Maintenance Program	<p>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.</p>	<p>Work on the program was ongoing.</p>	<p>Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2018.</p>

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(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. Continued development of the Force Main Criticality Assessment and Prioritization Report 2. Initiated deployment of mobile technology.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond December 31, 2018.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(h)	WWTP Operations and Maintenance Program	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.	<p>The WWTP OMP was approved by the EPA and FDEP on April 26, 2018. The Hauled Waste Guidance Manual was approved by the EPA and FDEP on June 7, 2018.</p> <p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> 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 Meeting was held at SD WWTP on March 14, 2018 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, 2018.
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, 2018.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1.1	Headworks	The SDWWTP Headworks project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves routine repairs on existing bar screen mechanisms in headwork structure prior to aerated grit chambers. Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the plant headworks structure towards nearby surface waters, especially during peak wet weather.	Procurement and construction continued.	Construction and procurement will continue. Rehab Grit #2 (Screens #1), Rehab Grit #2 (Screens #2) and Rehab Grit #1 (Screen #1) will commence and be completed. Rehab Grit #1 (Screen #3) will commence.
1.2	Oxygen Production	The SDWWTP Oxygen Production project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace and retrofit existing air compression units.	Procurement continued.	Procurement 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 and construction for Train 6 Oxygenation tanks structural rehab was completed. Design continued for 1.3(2) Design continued for Electrical Building Expansion and Oxygenation Trains Mixer Upgrades. 1.3(3) Design continued for oxygenation train - ss 5/6 and ss 15/16	Procurement for 1.3(1) Train 4 Oxygenation tanks structural rehab will commence and be completed. Construction for 1.3(1) Train 4 Oxygenation tanks structural rehab will commence Design for 1.3(2) Electrical Building Expansion and mixer upgrade will be completed and permitting will commence. 1.3(3) Design will be continue for oxygenation train - ss 5/6 and ss 15/16
1.4	Chlorine Building	The SDWWTP Chlorine Building project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves replacement of motor control centers, relocation of electrical panels and roof repairs of the old chlorine building where flushing water pumps are to remain.	Design continued.	Design will 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 and construction for wet wells #1 piping and wet well #2 structural rehab was completed. Procurement and construction continued. 1.5(2) Design continued. 1.5(3) Completed on Jan 23, 2016.	1.5(1) Procurement and construction of wet well #1 - structural rehab will commence. 1.5(2) Design will be completed. Permitting 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 to be readvertised.	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 continued.	Procurement will continue. Construction will commence.
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 to be readvertised.	Procurement will continue.
1.9	FOG Removal Facility	The SDWWTP FOG Removal Facility project is being performed pursuant to Paragraph 19(i) and Appendix D. The current FOG separation tank is not capable of adequately 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.	Construction continued.	Construction will continue.
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 commenced.	Design 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.	1.11(1.1) Design was completed. Permitting commenced 1.11(1.2) Re-Design commenced. 1.11(2) Design continued. 1.11(3) Procurement continued.	1.11(1.1) Permitting will be completed. Procurement will commence. 1.11(1.2) Design will be completed. Permitting and procurement will commence. 1.11(2) Design will be completed. Permitting will commence. 1.11(3) 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	Construction for 1.12(1) Actuator Replacement was completed on June 5, 2018. 1.12(2) Procurement for the Chlorine Contact Chamber continued. Construction for Contact Chamber #1 Structural Rehab was completed. Construction for Sluice Gates and Chlorine Contact Chamber continued.	1.12(2) Procurement will continue. Construction for the Sluice Gates will be completed. Construction for the Chlorine Contact Chamber 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
2.1	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"> 1) CDWWTP General Electric In-house Construction - Substations 1 and 2. 2) Substations 3, 4A, 4B, 5 & 6 – This work is part of Project 2.27(2). 3) Substations 9 & 10 - This work is part of Project 2.10(1). 4) Substations 11 & 12 – This work is part of project 2.11. 5) Substations 15 & 16 – This work is part of Project 2.15(1). 6) Substations 17 & 18 – This work is part of Project 2.19(2a). 7) Substations 7A, 8A, 9A & 10A 	<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 & 2 Completed on May 5, 2016.</p> <p>2.1(2) Procurement continued.</p> <p>2.1(3) Permitting was completed and procurement continued.</p> <p>2.1(4) Permitting was completed and procurement commenced.</p> <p>2.1(5) Construction continued.</p> <p>2.1(6) Construction continued.</p> <p>2.1(7) Design continued.</p>	<p>2.1(2) Procurement will continue.</p> <p>2.1(3) Procurement will be completed and construction will commence.</p> <p>2.1(4) Procurement will be completed and construction will commence.</p> <p>2.1(5) Construction will be completed.</p> <p>2.1(6) Construction will continue.</p> <p>2.1(7) Design will be completed. Permitting 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 & 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-design commenced.</p>	<p>2.2(2) Redesign will be completed. Permitting and Procurement will commence.</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. This project involves the addition of influent screens and an electrical room with upgraded electrical instrumentation.</p>	<p>Construction continued.</p>	<p>Construction will be completed.</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. This project involves the addition of influent screens and an electrical room with upgraded electrical instrumentation.</p>	<p>Construction continued.</p>	<p>Construction will continue.</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
2.5	Oxygenation Trains Plant 1	The CDWWTP Oxygenation Trains Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application. Mixer retrofits were completed in early 2014. Structural rehabilitation work for Train #2 and Train #3 will be performed by WASD in-house forces during the dry seasons.	Procurement was completed. Construction was completed on June 22, 2018.	N/A
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. 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. 2) Secondary Clarifiers Plant 1 Train Mechanisms. 3) Secondary Clarifiers Plant 1 Structural Rehab.	Design, procurement and construction will continue. 2.7(1) Design continued 2.7(2) Construction for trains 5 and 6 mechanism was completed. Construction continued. 2.7(3) Design, procurement and construction continued. Structural rehab for train 6 was completed	Design, procurement and construction will continue . 2.7(1) Design will continue 2.7(2) Construction will continue. 2.7(3) Design will be completed. Procurement and construction will continue. Structural Rehab Procurement for train 3 & 4 will commence and be completed. Structural Rehab Construction for train 3 & 4 will commence.
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.	Design and permitting continued. Procurement commenced. 2.8(1) Permitting was completed and procurement continued. 2.8(2) No activities. 2.8(3) Design continued.	Permitting will be completed. Design and procurement will continue. 2.8(1) Procurement will be completed and construction will commence. 2.8(2) Construction will commence. 2.8(3) Design will be completed. Procurement and construction will commence.
2.9	RS Pump Stations Plant 1	The CDWWTP RS Pump Stations Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. Work on this project will be performed in conjunction with Project 2.7.	Design continued.	Design will continue.
2.10	RS Pump Stations Plant 2	The CDWWTP RS Pump Stations Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. This project has been split into 2 separate child projects: 1) Return Sludge PS Plant 2 - RAS Pump, 2) Return Sludge PS Plant 2 - RAS Line	2.10(1) Permitting was completed and procurement continued. 2.10(2) Construction of RAS Header Pipe was completed on July 7, 2017.	2.10(1) Procurement will be completed and construction will commence.
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 in the effluent pump station.	Permitting was completed and 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 to be readvertised.	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 to be readvertised.	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 and 2.15(2) refers to digesters in cluster 2, 2.15(3) refers to digesters in cluster 3 and 2.15(4) refers to digesters in cluster 4.	2.15(1) Construction continued. 2.15(2) Procurement continued. 2.15(3) Design was completed and permitting commenced. 2.15(4) Design continued.	2.15(1) Construction will continue. 2.15(2) Procurement will be completed and construction will commence. 2.15(3) Permitting will be completed and procurement will commence. 2.15(4) Design 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	<p>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.</p> <p>This project is being performed under design-build delivery method.</p>	Procurement continued. Bid cancellation on May 30, 2018. Project to be readvertised.	Procurement will continue.
2.17	Chlorination Facilities	<p>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.</p>	Construction continued.	Construction will be completed.
2.18	Odor Control Systems	<p>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).</p>	Procurement and construction continued. 2.18(1) Construction continued. 2.18(2) Procurement continued. Bid cancellation on May 30, 2018. Project to be readvertised.	2.18(1) Construction will be completed. 2.18(2) 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
2.19	Co-Gen Facility	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the installation of two new cogeneration engines, cogeneration building improvements, replacement of biogas pipeline and installation of biogas conditioning system. Thus, this project has been split into separate "child" projects: 1) Co-Gen Generator Replacement, 2a) Co-Gen Biogas Treatment Facilities, and 2b) Co-Gen Restroom and Building Rehab.	2.19(1) Completed on January 27, 2016. 2.19(2a) Construction continued. 2.19(2b) Procurement continued.	2.19(2a) Construction will continue. 2.19(2b) Procurement will be completed and construction will commence.
2.20	Septage Uploading	The CDWWTP Septage Unloading project is required under Paragraph 19(i) and Appendix D. The CD scope of this project included the construction of a new septage handling station to remove FOG from the main wastewater treatment stream and treat either through digestion or an off-site third part facility. However, the violation associated with this project was resolved by requiring all hauled waste to be sent to the South District WWTP as of January 2013.	Motion to delete Project 2.20 Septage Uploading at CD WWTP has been approved by the Court on December 28, 2016.	N/A
2.21	Pump Station 1	The CDWWTP Pump Station No. 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the pump station for the odor control system and rehabilitate the bar screen mechanisms.	Design, permitting and procurement was completed. Construction continued.	Construction will continue.
2.22	Pump Station 2	The CDWWTP Pump Station No. 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the pump station odor control system, rehabilitation of bar screen mechanism, and replacement pump stations flow metering to improve maintenance accessibility.	Construction continued.	Construction will be completed.
2.23	O ₂ Plant Process Controls Phase 2	The CDWWTP O ₂ Plant Process Controls project is being performed pursuant to Paragraph 19(i) and Appendix D. Existing oxygen production systems are either failing or obsolete. The purpose of this project is to replace existing oxygen production systems.	Construction was completed on April 25, 2016 ahead of the CD compliance date March 9, 2017.	N/A

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
2.24	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(2) Construction continued. 2.25(3) Construction continued. 2.25(4) Permitting and procurement was completed. Construction continued. 2.25(5) Construction continued.	2.25(2) Construction will be completed. 2.25(3) Construction will continue. 2.25(4) Construction will continue. 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.
2.27	Oxygen Production	The CDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing units are near the end of useful life and prone to failure. The purpose of this project is to construct a new 80 ton/day oxygen production cryogenic tower and air compression unit to provide full redundancy. This project was split into 2 "child" projects: 1) Oxygen Production Site Preparation, and 2) Oxygen Production Design-Build.	2.27(1) Oxygen Production Site Preparation was completed on June 29, 2017. 2.27(2) Procurement continued.	Procurement for 2.27(2) 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 2 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 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. It also involves the rehabilitation of the mechanical and odor control systems at the plant. This project was split into 2 child projects: 1) Replace Primary Clarifiers for Mechanisms #4 & 6, and 2) Primary Clarifiers and Odor Control (Remaining Scope of Work).	3.2(1) Construction continued. 3.2 (2) Procurement continued.	3.2(1) Construction will completed. 3.2(2) Procurement will be completed. Construction will commence.
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 and procurement continued.	Design and procurement will continue. Construction will commence. Cleaning of Tank #5 Oxygenation Trains will commence.
3.4	Oxygen Production	The NDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the oxygen plant and its mechanical and electrical systems.	Design continued.	Design will continue.
3.5	Secondary Clarifiers	The NDWWTP Secondary Clarifiers project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the secondary clarifiers and its mechanical and electrical systems. This project was split into 2 child projects: 3.5(1) Replace Mechanisms # 1-10; and 3.5(2) Remaining Scope of Work.	3.5(1) Procurement and construction continued. 3.5(2) Procurement continued.	3.5(1) Procurement will be completed and construction will continue. 3.5(2) Procurement will be completed and construction will commence.
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.	Procurement continued.	Procurement will be completed. Construction will commence.
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 continued.	Construction will be completed.

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> <ol style="list-style-type: none"> 1) NDWWTP General Electrical In House Construction Feeders 1 and 2 have been replaced. 2) Electrical Feeders 3-6 Feeders 3-6 will be replaced in conjunction with Project 3.1. 3) Electrical Feeders 7-8 Feeders 7 and 8 will be replaced along with Project 3.4. 4) Electrical Feeders 9-14 Feeders 9-14 are related to a new future electrical building which is pending WASD's decision to construct this new building. Feeders 11 & 12 were completed due to recent upgrades performed on the deep injection well pump motors 	<p>3.8(1) General Electrical In-house construction (Feeders 1-2) was completed on January 15, 2016. 3.8(2) Electrical Feeders 3-6 (Project 3.1) was completed on December 6, 2017. 3.8(4) Construction continued.</p>	3.8(4) Construction will continue.
3.9	Flood Mitigation	The NDWWTP Flood Mitigation project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to mitigate the flood potential in the Generator and Electrical Building at the NDWWTP.	This project was completed on June 24, 2016, ahead of the CD compliance date of August 13, 2017.	N/A
3.10	Yard Piping Replacement	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.	Project was completed on May 24, 2016, ahead of the CD compliance date of December 4, 2021.	N/A
3.11	SCADA RTU Upgrades	The NDWWTP SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units to maintain operational sustainability.	Project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.	N/A

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
4.1	Collection System I/I Repairs	The Collection System I/I Repairs project is being performed in accordance with Paragraph 19(i) and Appendix D of the CD. The project targets defective gravity sewers with excessive inflow/infiltration. It involves rehabilitation of the Collection System, i.e. dig & replace mainlines and laterals, manhole replacement, cured-in-place liners and sectional liners and will be performed concurrently with other work.	Work on this project is ongoing.	Work on this project will continue.
4.2	Government Cut FM Phase 1 & 2	The Government Cut FM Phases 1 & 2 project was performed in accordance with Paragraph 19(i) and Appendix D. The purpose of this two phase project is to replace critically damaged sections of 54-inch force main to avert catastrophic failures in Government Cut. This project involved the replacement of 54 inch FM with 60 inch FM from the water shaft in Government Cut to mainland Miami Beach.	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.	Construction continued.	Construction will be completed.
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 substantially 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" 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.	Design continued.	Design will be completed. Permitting 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	Design continued.	Design will be completed. Permitting will commence.
28	8	PS 786	MH 5 @ PS 785	Design continued.	Design will be completed. Permitting will commence.
29	12	PS 811	SW 107 Ave. & SW 76 St.	Construction commenced.	Construction will continue.
30	12	PS 811	SW 102 Ave. & SW 81 St.	Construction commenced.	Construction will continue.
31	10	PS 812	SW 102 Ave. & SW 84 St.	Construction commenced.	Construction will continue.
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.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
36	4	PS 721	US1 & Banyan St.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
37	4	PS 749	PS 731	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
38	4	PS 747	US1 & East Indigo St.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
40	8	PS 745	SW 102 Ave. & SW 175 St.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
41	4	PS 731	SW Duval Ave. & West Indigo St.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
42	10	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	Design was completed. Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue.
44	8	PS 810	SW 118 Pl. & SW 72 St.	Design continued.	Design will be completed. Permitting will commence.
45	12	PS 793	SW 118 Pl. & SW 72 St.	Design continued.	Design will be completed. Permitting will commence.
46	6	PS 724	SW 106 Ave. & SW 155 St.	Design was completed. Permitting and procurement continued.	Permitting will be completed. Procurement 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.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.
49	10	PS 1029	SW 132 Ave. & 268 St.	Permitting was completed. Procurement continued.	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
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.
51	10	PS 1028	SW 137 Ave. & 288 St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.
52	10	PS 1027	SW 132 Ave. & 280 St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.
53	8	PS 1018	MH 44A @ SW 132 Ave.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	Design continued.	Design will be completed. Permitting will commence.
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	Design continued.	Design will be completed. Permitting will commence.
56	8	PS 864	SW 147 Ave. & SW 72 St.	Design continued.	Design will be completed. Permitting will commence.
57	8	SW 142 Ave. & Kendale Lakes Blvd.	SW 140 Ave. & Kendale Lakes Blvd.	Design continued.	Design will be completed. Permitting will commence.
58	10	SW 140 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & Kendale Lakes Blvd.	Design continued.	Design will be completed. Permitting will commence.
59	12	SW 137 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & SW 81 St.	Design continued.	Design will be completed. Permitting and Procurement will commence.
60	8	PS 1013	PS 1012	Design was completed. Permitting commenced	Permitting will be completed. Procurement will commence and be completed. Construction will commence.
61	10	PS 1012	SW 144 Ave. & SW 280 St.	Design was completed. Permitting commenced	Permitting will be completed. Procurement will commence and be completed. Construction will commence.
62	8	PS 1011	SW 144 Ct. & SW 280 St.	Design was completed. Permitting commenced	Permitting will be completed. Procurement will commence and be completed. Construction will commence.
63	10	SW 147 Ave. & SW 288 St.	SW 134 Pl. & SW 288 St.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.
64	6	PS 1009	SW 147 Ave. & SW 296 St.	Design continued.	Design will be completed. Permitting will commence.
65	6	PS 1006	PS 1005	Design continued.	Design will be completed. Permitting will commence. Procurement will commence and 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
66	8	PS 1002	SW 152 & SW 304 St.	Design and permitting continued. Procurement commenced.	Design, permitting and 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	Upgrade of PS No. 0691	The Upgrade of PS No. 0691 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and capacity increase is required to handle increased Homestead flows. This project involves the replacement of pumping and electrical equipment in PS No. 0691.	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 continued.	Procurement 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 continued.	Construction will continue.
5.5	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS 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 continued.	Construction will be completed.
5.7	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS 0417.	Procurement was completed.	Construction will commence.
5.8	Replacement of Electrical and Mechanical Equipment PS No 0107	The Replacement of Electrical and Mechanical Equipment PS No. 0107 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond of the PS is beyond its useful life and parts are not readily available for the load cell type controllers. This project involves the replacement of pumping and electrical equipment of PS No. 0107.	Construction was completed on February 23, 2018 ahead of CD compliance date of January 27, 2019.	N/A

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
5.9	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, permitting and procurement continued.	Design and permitting will be completed. Procurement will continue.
5.10	Upgrade of PS No. 0488	The Upgrade of PS No. 0488 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond its useful life. This project involves the conversion of the PS a submersible type station.	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" FM from Kendall Dr. to PS #0536 to eliminate the 42" reduction in the 60" FM. System reviews and analysis has determined that the installation of a 48-inch cross connection between the existing 72-inch effluent FM to an existing 48-inch force main will accomplish the desired reduction in pressure differential.	Construction continued.	Construction will be completed.
5.12	Replacement of Switchgear PS No. 0187	The Replacement of Switchgear PS No. 0187 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing PS equipment is beyond its useful life and parts are not readily available. This project involves the demolition of the four (4) existing 450 hp pumps (3 two-speed, and 1 with Anvic Drive) and the installation of four (4) new 450 hp pumps and motors, with new VFDs, replacement of electrical switchgear, HVAC and lighting upgrades, expansion of Electrical Room, generator upgrades, and replacement of plug valves and control valves.	Construction continued.	Construction will be completed.
5.13	Refurbish Emergency Generators and 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
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

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
5.15	Upgrade of PSs Nos. 0065, 0201, 0334, 0374, 0607	<p>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.</p>	<p>This project was completed on December 30, 2015 ahead of the CD compliance date December 31, 2015.</p>	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"> 1) Pump Station No. 0198 Compliance Project. The CD Compliance deadline of December 31, 2016 was not achieved. The PMCM and WASD are working with the Contractor to try and complete the remaining work. 2) Pump Station No. 0437 Upgrade 3) Pump Station No. 0466 Compliance Project 4) Pump Station No. 0680 Upgrade 	<p>This project was completed on January 24, 2018.</p>	N/A

Table A-5.1 Sewer Pump Station Systems

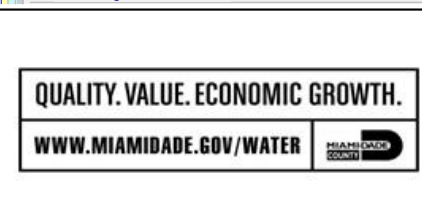
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.17	Upgrade of PSs Nos. 0037, 0351, 0370, 0403	<p>The Upgrade of PSs No. 0037, 0351, 0370, 0403 project is being performed pursuant 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

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
5.18	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> <ol style="list-style-type: none"> 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>5.18(1) Permitting was completed. Procurement commenced. 5.18(2) Construction continued 5.18(3) Permitting was completed. Procurement commenced and was completed. Construction commenced. 5.18(4) Permitting continued. Procurement commenced and was completed. 5.18(5) Permitting was completed. Procurement commenced. 5.18(6) Completed on May 1, 2017..</p>	<p>5.18(1) Procurement will be completed. Construction will commence. 5.18(2) Construction will commence. 5.18(3) Construction will continue. 5.18(4) Permitting will be completed. Construction will commence. 5.18(5) Procurement will be completed. Construction will commence.</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>	<p>N/A</p>

Appendix B Project Schedules Gantt Chart

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
WASD Consent Decree Schedule - June 2018 Update		6387	12-Dec-10 A	06-Jun-28																																		
0. General Compliance Activities		5480	06-Jun-13 A	06-Jun-28																																		
Program Milestones		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*																																		
Reporting Requirements		1797	31-Mar-14 A	01-Mar-19																																		
Quarterly Reports		1768	31-Mar-14 A	31-Jan-19																																		
General Compliance Activity		1768	31-Mar-14 A	31-Jan-19																																		
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*	30-Jul-18																																		
PM50280	2018 Quarterly Report No 3	31	30-Sep-18*	30-Oct-18																																		
PM50290	2018 Quarterly Report No 4	32	31-Dec-18*	31-Jan-19																																		
Semi Annual Reports		1677	30-Jun-14 A	31-Jan-19																																		
General Compliance Activity		1677	30-Jun-14 A	31-Jan-19																																		
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*	31-Jul-18																																		
PM50330	2018 Semi Annual Report No 2	32	31-Dec-18*	31-Jan-19																																		
Annual Report		1522	31-Dec-14 A	01-Mar-19																																		
General Compliance Activity		1522	31-Dec-14 A	01-Mar-19																																		
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	01-Mar-19*																																		
Program Management/Construction Management Support		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																																		
1. South District WWTP		4381	19-Nov-13 A	16-Nov-25																																		
1.01 Headworks		1848	02-Feb-15 A	23-Feb-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																																		
SD42920	EPA Start Date for Engineering Design - SD Headworks	0	01-Oct-15 A																																			
SD41910	EPA Compliance Date for Engineering Design - SD Headworks	0		26-Apr-16 A																																		
Permitting		814	02-Feb-15 A	26-Apr-17 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	Check...	Approved
14-Jul-14	Revision 0	GSR	DH
13-Apr-18	March 2018 Update		
15-May-18	April 2018 Update		
15-Jun-18	May 2018 Update		
13-Jul-18	June 2018 Update		

** EPA Interim Milestone date was missed.

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
SD10120	Permitting - SD Headworks	26	02-Feb-15 A	27-Feb-15 A	Permitting - SD Headworks																							
SD42930	EPA Start Date for Permitting - SD Headworks	0	27-Apr-16 A		◆ EPA Start Date for Permitting - SD Headworks																							
SD41920	EPA Compliance Date for Permitting - SD Headworks	0	26-Apr-17 A		◆ EPA Compliance Date for Permitting - SD Headworks																							
Procurement					1183 02-Feb-15 A 26-Apr-19																							
SD42940	EPA Start Date for Procurement - SD Headworks	0	27-Apr-17 A		◆ EPA Start Date for Procurement - SD Headworks																							
SD41960	EPA Compliance Date for Procurement - SD Headworks**	0	26-Apr-18 A		◆ EPA Compliance Date for Procurement - SD Headworks**																							
SD10220	Procurement - SD Headworks	1180	02-Feb-15 A	26-Apr-19	Procurement - SD Headworks																							
Construction					1798 26-Jul-15 A 23-Feb-20																							
SD41510	Rehab Grit #1 (Screens #2) - SD Headworks	358	26-Jul-15 A	23-Oct-15 A	Rehab Grit #1 (Screens #2) - SD Headworks																							
SD42950	EPA Start Date for Construction - SD Headworks	0	27-Apr-18 A		◆ EPA Start Date for Construction - SD Headworks																							
SD41370	Rehab Grit #2 (Screen #1) - SD Headworks	62	01-Aug-18*	01-Oct-18	Rehab Grit #2 (Screen #1) - SD Headworks																							
SD41380	Rehab Grit #1 (Screen #1) - SD Headworks	62	01-Aug-18*	01-Oct-18	Rehab Grit #1 (Screen #1) - SD Headworks																							
SD44340	Rehab Grit #2 (Screen #2) - SD Headworks	90	01-Aug-18*	29-Oct-18	Rehab Grit #2 (Screen #2) - SD Headworks																							
SD41320	Rehab Grit #1 (Screen #3) - SD Headworks	90	01-Nov-18*	29-Jan-19	Rehab Grit #1 (Screen #3) - SD Headworks																							
SD44350	Rehab Grit #2 (Screen #3) - SD Headworks	90	01-Feb-19*	01-May-19	Rehab Grit #2 (Screen #3) - SD Headworks																							
SD44360	Rehab Grit #2 (Screen #4) - SD Headworks	90	15-Apr-19*	13-Jul-19	Rehab Grit #2 (Screen #4) - SD Headworks																							
SD10300	Construction - SD Headworks	1698	26-Jul-15 A	12-Oct-19	Construction - SD Headworks																							
SD41310	Rehab Grit #1 (Screen #4) - SD Headworks	90	15-Jul-19*	12-Oct-19	Rehab Grit #1 (Screen #4) - SD Headworks																							
SD10460	Substantial Completion (CD Compliance Date 2/23/20) - SD Headworks	0	12-Oct-19*		◆ Substantial Completion (CD Compliance Date 2/23/20) - SD Headworks																							
SD40000	Project Closeout - SD Headworks	90	13-Oct-19	10-Jan-20*	Project Closeout - SD Headworks																							
SD41970	EPA Compliance Date for Construction - SD Headworks	0	23-Feb-20*		◆ EPA Compliance Date for Construction - SD Headworks																							
Project Administration					1838 02-Feb-15 A 10-Jan-20																							
SD35000	WASD Project Administration - SD Headworks	1838	02-Feb-15 A	10-Jan-20	WASD Project Administration - SD Headworks																							
1.02 Oxygen Production					2658 17-Nov-14 A 25-Feb-22																							
Pre-Design					1131 17-Nov-14 A 08-Jan-18 A																							
SD11232	Pre-Design - SD Oxygen Production	143	17-Nov-14 A	08-Apr-15 A	Pre-Design - SD Oxygen Production																							
SD42420	Negotiations for ESDC & Stormwater Permit - SD Oxygen Production	497	14-Jul-15 A	21-Nov-16 A	Negotiations for ESDC & Stormwater Permit - SD Oxygen Production																							
SD44370	Allowance Request Proposal for Re-Bid - SD Oxygen Production	22	26-Oct-17 A	08-Jan-18 A	Allowance Request Proposal for Re-Bid - SD Oxygen Production																							
Engineering Design					515 01-Jan-15 A 29-May-16 A																							
SD42960	EPA Start Date for Engineering Design - SD Oxygen Production**	0	01-Jan-15 A		◆ EPA Start Date for Engineering Design - SD Oxygen Production**																							
SD20180	Basis of Design Report (BODR) - SD Oxygen Production	100	03-Apr-15 A	11-Jul-15 A	Basis of Design Report (BODR) - SD Oxygen Production																							
SD20190	BODR Review Period - SD Oxygen Production	14	12-Jul-15 A	25-Jul-15 A	BODR Review Period - SD Oxygen Production																							
SD20200	30% Design Submittal - SD Oxygen Production	16	26-Jul-15 A	10-Aug-15 A	30% Design Submittal - SD Oxygen Production																							
SD20210	30% Design Review - SD Oxygen Production	7	11-Aug-15 A	17-Aug-15 A	30% Design Review - SD Oxygen Production																							
SD20220	60% Design Submittal - SD Oxygen Production	49	18-Aug-15 A	05-Oct-15 A	60% Design Submittal - SD Oxygen Production																							
SD30990	Develop Equipment Pre-Purchase Package - SD Oxygen Production	7	29-Sep-15 A	05-Oct-15 A	Develop Equipment Pre-Purchase Package - SD Oxygen Production																							
SD20230	60% Design Review - SD Oxygen Production	9	05-Oct-15 A	13-Oct-15 A	60% Design Review - SD Oxygen Production																							
SD20240	100% Design Submittal - SD Oxygen Production	55	14-Oct-15 A	07-Dec-15 A	100% Design Submittal - SD Oxygen Production																							
SD10050	Engineering Design - SD Oxygen Production	311	03-Apr-15 A	07-Feb-16 A	Engineering Design - SD Oxygen Production																							
SD40120	100% Design Review/Permit Ready Submittal - SD Oxygen Production	62	08-Dec-15 A	07-Feb-16 A	100% Design Review/Permit Ready Submittal - SD Oxygen Production																							
SD41980	EPA Compliance Date for Engineering Design - SD Oxygen Production	0	29-May-16 A		◆ EPA Compliance Date for Engineering Design - SD Oxygen Production																							
Permitting					466 08-Feb-16 A 19-May-17 A																							
SD42970	EPA Start Date for Permitting - SD Oxygen Production	0	30-May-16 A		◆ EPA Start Date for Permitting - SD Oxygen Production																							
SD10090	Permitting - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	Permitting - SD Oxygen Production																							
SD41810	RER Dem Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	RER Dem Permit - SD Oxygen Production																							
SD42890	Building Dept. Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	Building Dept. Permit - SD Oxygen Production																							
SD41820	Stormwater Permit - SD Oxygen Production	141	22-Nov-16 A	11-Apr-17 A	Stormwater Permit - SD Oxygen Production																							
SD41990	EPA Compliance Date for Permitting - SD Oxygen Production	0	19-May-17 A		◆ EPA Compliance Date for Permitting - SD Oxygen Production																							
Procurement					1357 15-Aug-15 A 27-May-20																							
SD41250	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production	298	15-Aug-15 A	10-Dec-15 A	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production																							
SD42980	EPA Start Date for Procurement - SD Oxygen Production	0	26-Nov-16 A		◆ EPA Start Date for Procurement - SD Oxygen Production																							
SD30140	Design Documents sent to Procurement - SD Oxygen Production	0	28-Nov-16 A		◆ Design Documents sent to Procurement - SD Oxygen Production																							
SD31160	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production	146	09-Sep-16 A	01-Feb-17 A	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production																							
SD31170	Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production	0	02-Feb-17 A		◆ Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production																							
SD30150	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production	86	28-Nov-16 A	21-Feb-17 A	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production																							
SD30160	Advertise Bid Packages - SD Oxygen Production	0	22-Feb-17 A		◆ Advertise Bid Packages - SD Oxygen Production																							
SD30170	Bid Solicitation Period - SD Oxygen Production	105	22-Feb-17 A	06-Jun-17 A	Bid Solicitation Period - SD Oxygen Production																							
SD30180	Bids Due - SD Oxygen Production	0	07-Jun-17 A		◆ Bids Due - SD Oxygen Production																							
SD31180	Vendor Bid & Award (Air Compressors)- SD Oxygen Production	174	02-Feb-17 A	25-Jul-17 A	Vendor Bid & Award (Air Compressors)- SD Oxygen Production																							
SD31190	Vendor NTP (Air Compressors) - SD Oxygen Production	0	26-Jul-17 A		◆ Vendor NTP (Air Compressors) - SD Oxygen Production																							
SD42000	EPA Compliance Date for Procurement - SD Oxygen Production	0	30-Sep-17 A		◆ EPA Compliance Date for Procurement - SD Oxygen Production																							
SD30190	Bid Review Period - SD Oxygen Production	180	07-Jun-17 A	27-Nov-17 A	Bid Review Period - SD Oxygen Production																							
SD44380	Bids Rejected - SD Oxygen Production	0	27-Nov-17 A		◆ Bids Rejected - SD Oxygen Production																							
SD44500	RTA Approval for Revised Packages - SD Oxygen Production	30	12-Mar-18 A	23-Mar-18 A	RTA Approval for Revised Packages - SD Oxygen Production																							
SD44280	Revise Bid Packages - SD Oxygen Production	30	08-Jan-18 A	04-Apr-18 A	Revise Bid Packages - SD Oxygen Production																							
SD44610	Submit/Approve SBD Goals for Revised Packages - SD Oxygen Production	4	05-Apr-18 A	08-Apr-18 A	Submit/Approve SBD Goals for Revised Packages - SD Oxygen Production																							
SD44290	Re-Advertise Bid Packages - SD Oxygen Production	0	09-Apr-18 A		◆ Re-Advertise Bid Packages - SD Oxygen Production																							
SD44300	Bid Solicitation Period for Revised Packages - SD Oxygen Production	90	09-Apr-18 A	20-Jun-18 A	Bid Solicitation Period for Revised Packages - SD Oxygen Production																							
SD44310	Bids Due for Revised Packages - SD Oxygen Production	0	21-Jun-18 A		◆ Bids Due for Revised Packages - SD Oxygen Production																							

** EPA Interim Milestone date was missed.

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
SD44320	Bid Review Period for Revised Packages - SD Oxygen Production	30	21-Jun-18 A	20-Jul-18																																		
SD30200	Award Recommendation - SD Oxygen Production	0	21-Jul-18																																			
SD10160	Procurement - SD Oxygen Production	448	28-Nov-16 A	14-Sep-18																																		
SD30210	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Oxygen Production	56	21-Jul-18	14-Sep-18																																		
SD41280	Vendor Bid & Award (Control Panels)- SD Oxygen Production	120	11-Dec-15 A	27-Sep-18																																		
SD41290	Vendor NTP (Control Panels) - SD Oxygen Production	0	28-Sep-18																																			
SD41260	Pre-Purchase Control Panels (Summary) - SD Oxygen Production	640	15-Aug-15 A	09-Jun-19																																		
SD41300	Fabricate & Deliver Control Panels - SD Oxygen Production	255	28-Sep-18	09-Jun-19																																		
SD31200	Fabricate & Deliver Air Compressor No. 4 - SD Oxygen Production	433	26-Jul-17 A	20-Aug-19																																		
SD30000	Pre-Purchase Air Compressors (Summary) - SD Oxygen Production	1006	09-Sep-16 A	27-May-20																																		
SD41580	Refurbish & Deliver Air Compressor No. 3 - SD Oxygen Production	278	24-Aug-19	27-May-20																																		
Construction					2146																																	
SD41590	Install New Oil/Water Separator (WASD)	43	12-Apr-16 A	24-May-16 A																																		
SD42990	EPA Start Date for Construction - SD Oxygen Production	0	01-Oct-17 A																																			
SD30220	Contractor NTP - SD Oxygen Production	0	15-Sep-18*																																			
SD41830	Install Instrumentation and Controls	60	01-Jul-19	29-Aug-19																																		
SD41530	Construct New Electrical Building	412	15-Sep-18	31-Oct-19																																		
SD41540	Install & Test Compressor No. 4	120	30-Oct-19	26-Feb-20																																		
SD41570	Disassemble, Ship, Refurbish and Return Compressor No. 3	120	27-Feb-20	25-Jun-20																																		
SD10260	Construction (Consent Decree) - SD Oxygen Production	770	15-Sep-18	23-Oct-20																																		
SD41550	Install & Test Compressor No. 3	120	26-Jun-20	23-Oct-20																																		
SD10440	Construction Completion Milestone #1 (CD Compliance Date 2/25/22) - SD Oxygen Production	0		23-Oct-20*																																		
SD41560	Decommission Compressors No. 1 and No. 2	60	24-Oct-20	22-Dec-20																																		
SD43880	Construction (Non-Consent Decree) - SD Oxygen Production	70	24-Oct-20	01-Jan-21																																		
SD44780	Commissioning - SD Oxygen Production	30	03-Dec-20	01-Jan-21																																		
SD43890	Substantial Completion (Non-Consent Decree) - SD Oxygen Production	0		01-Jan-21																																		
SD40010	Project Closeout - SD Oxygen Production	60	02-Jan-21	02-Mar-21*																																		
SD42010	EPA Compliance Date for Construction - SD Oxygen Production	0		25-Feb-22*																																		
Project Administration					1953																																	
SD35010	WASD Project Administration - SD Oxygen Production	1953	03-Apr-15 A	02-Mar-21																																		
1.03 Oxygenation Trains					3941																																	
Engineering Design					914																																	
SD43000	EPA Start Date for Engineering Design - SD Oxygenation Trains	0	31-Mar-17 A																																			
SD10190	Engineering Design - SD Oxygenation Trains	580	15-Feb-17 A	30-Jan-19																																		
SD42020	EPA Compliance Date for Engineering Design - SD Oxygenation Trains	0		30-Sep-19*																																		
Permitting					457																																	
SD10250	Permitting - SD Oxygenation Trains	180	31-Dec-18	31-Mar-20																																		
SD43010	EPA Start Date for Permitting - SD Oxygenation Trains	0	01-Oct-19*																																			
SD42030	EPA Compliance Date for Permitting - SD Oxygenation Trains	0		31-Mar-20*																																		
Procurement					1234																																	
SD43020	EPA Start Date for Procurement - SD Oxygenation Trains	0	18-Jul-18*																																			
SD42040	EPA Compliance Date for Procurement - SD Oxygenation Trains	0		17-Jul-19*																																		
SD10330	Procurement - SD Oxygenation Trains	1234	21-Mar-17 A	14-Nov-21																																		
Construction					3941																																	
SD43030	EPA Start Date for Construction - SD Oxygenation Trains	0	18-Jul-19*																																			
SD41680	Construction - SD Oxygenation Trains	2979	02-Feb-15 A	01-Apr-22																																		
SD41730	Substantial Completion (CD Compliance Date 11/16/25) - SD Oxygenation Trains	0		01-Apr-22*																																		
SD42050	EPA Compliance Date for Construction - SD Oxygenation Trains	0		16-Nov-25*																																		
1.03 (1) - Oxygenation Trains Structural Rehab					2673																																	
Pre-Design					168																																	
SD42500	Pre-Design - SD Oxygenation Trains Struct. Rehab	169	31-Aug-16 A	15-Feb-17 A																																		
Engineering Design					145																																	
SD42550	Engineering Design Train 5 - SD Oxygenation Trains Struct. Rehab	37	15-Feb-17 A	24-Mar-17 A																																		
SD41660	Engineering Design - SD Oxygenation Trains Struct. Rehab	146	15-Feb-17 A	11-Jul-17 A																																		
SD42530	Engineering Design Trains 2, 3, 4, 6, 7 - SD Oxygenation Trains Struct. Rehab	146	15-Feb-17 A	11-Jul-17 A																																		
Procurement					1700																																	
SD42600	Procurement Train 5 - SD Oxygenation Trains Struct. Rehab	73	21-Mar-17 A	01-Jun-17 A																																		
SD42590	Procurement Train 6 - SD Oxygenation Trains Struct. Rehab	96	11-Aug-17 A	23-Jan-18 A																																		
SD42580	Procurement Train 4 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-18*	14-Nov-18																																		
SD42470	Procurement Train 7 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-19*	14-Nov-19																																		
SD42610	Procurement Train 3 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-20*	14-Nov-20																																		
SD41670	Procurement - SD Oxygenation Trains Struct. Rehab	1700	21-Mar-17 A	14-Nov-21																																		
SD42620	Procurement Train 2 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-21*	14-Nov-21																																		
Construction					2673																																	
SD10630	Construction Train 1 - SD Oxygenation Trains Struct. Rehab	341	02-Feb-15 A	08-Jan-16 A																																		
SD10550	Construction Train 5 - SD Oxygenation Trains Struct. Rehab	77	17-Mar-17 A	01-Jun-17 A																																		
SD10490	Construction Train 6 - SD Oxygenation Trains Struct. Rehab	105	23-Jan-18 A	30-May-18 A																																		
SD10420	Construction Train 4 - SD Oxygenation Trains Struct. Rehab	105	15-Nov-18	27-Feb-19																																		
SD10640	Construction Train 7 - SD Oxygenation Trains Struct. Rehab	105	15-Nov-19	27-Feb-20																																		

** EPA Interim Milestone date was missed.

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				
SD42160	EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners	0		17-Aug-20*	◆ EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners																											
SD10430	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	60	29-Mar-16 A	17-Feb-21	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners																											
SD44710	Repackage and Rebid Project - SD Gravity Sludge Thickeners	940	24-Jul-18	17-Feb-21	Repackage and Rebid Project - SD Gravity Sludge Thickeners																											
Design-Build					1250 18-Aug-20 19-Jan-24																											
SD43150	EPA Start Date for Construction - SD Gravity Sludge Thickeners	0	18-Aug-20*		◆ EPA Start Date for Construction - SD Gravity Sludge Thickeners																											
SD31590	Design-Builder NTP - SD Gravity Sludge Thickeners	0	18-Feb-21		◆ Design-Builder NTP - SD Gravity Sludge Thickeners																											
SD31090	Final Engineering by Design-Builder - SD Gravity Sludge Thickeners	365	18-Feb-21	17-Feb-22	Final Engineering by Design-Builder - SD Gravity Sludge Thickeners																											
SD31100	AHJ Permit Review - SD Gravity Sludge Thickeners	180	21-Oct-21	18-Apr-22	AHJ Permit Review - SD Gravity Sludge Thickeners																											
SD42170	EPA Compliance Date for Construction - SD Gravity Sludge Thickeners	0		06-Jan-23*	◆ EPA Compliance Date for Construction - SD Gravity Sludge Thickeners																											
SD43860	Design-Builder Contract Duration - SD Gravity Sludge Thickeners	976	18-Feb-21	21-Oct-23	Design-Builder Contract Duration - SD Gravity Sludge Thickeners																											
SD10500	Construction - SD Gravity Sludge Thickeners	723	29-Oct-21	21-Oct-23	Construction - SD Gravity Sludge Thickeners																											
SD44810	Commissioning - SD Gravity Sludge Thickeners	30	22-Sep-23	21-Oct-23	Commissioning - SD Gravity Sludge Thickeners																											
SD10600	Substantial Completion (CD Compliance Date 1/06/23) - SD Gravity Sludge Thickeners	0		21-Oct-23*	◆ Substantial Completion - SD Gravity Sludge Thickeners																											
SD40050	Project Closeout - SD Gravity Sludge Thickeners	90	22-Oct-23	19-Jan-24*	Project Closeout - SD Gravity Sludge Thickeners																											
Project Administration					2380 03-Jul-14 A 19-Jan-24																											
SD35070	WASD Project Administration - SD Gravity Sludge Thickeners	2380	03-Jul-14 A	19-Jan-24	WASD Project Administration - SD Gravity Sludge Thickeners																											
1.07 Digesters and Control Building					3432 30-Jun-14 A 21-Nov-23																											
Pre-Design					604 18-Feb-15 A 14-Oct-16 A																											
SD20016	Negotiate Scope and Cost with MWH - SD Digesters & Control Building	84	31-Mar-15 A	22-Jun-15 A	Negotiate Scope and Cost with MWH - SD Digesters & Control Building																											
SD42900	Negotiate Scope and Cost with MWH for SS 7 & 8 - SD Sub-Stations 7 & 8 (Non-Consent Decree)	605	18-Feb-15 A	14-Oct-16 A	Negotiate Scope and Cost with MWH for SS 7 & 8 - SD Sub-Stations 7 & 8 (Non-Consent Decree)																											
Engineering Design					1039 30-Jun-14 A 04-May-17 A																											
SD43160	EPA Start Date for Engineering Design - SD Digesters & Control Building	0	03-Jul-14 A		◆ EPA Start Date for Engineering Design - SD Digesters & Control Building																											
SD20006	Basis of Design Report (BODR) - SD Digesters & Control Building	313	30-Jun-14 A	08-May-15 A	Basis of Design Report (BODR) - SD Digesters & Control Building																											
SD20770	Review/Revise BODR - SD Effluent Pump Station Building Improvements	45	09-May-15 A	22-Jun-15 A	Review/Revise BODR - SD Effluent Pump Station Building Improvements																											
SD20026	30% Design Submittal - SD Digesters & Control Building	127	23-Jun-15 A	27-Oct-15 A	30% Design Submittal - SD Digesters & Control Building																											
SD20036	30% Design Review - SD Digesters & Control Building	24	28-Oct-15 A	20-Nov-15 A	30% Design Review - SD Digesters & Control Building																											
SD20046	60% Design Submittal - SD Digesters & Control Building	110	21-Nov-15 A	09-Mar-16 A	60% Design Submittal - SD Digesters & Control Building																											
SD20056	60% Design Review - SD Digesters & Control Building	13	10-Mar-16 A	22-Mar-16 A	60% Design Review - SD Digesters & Control Building																											
SD20066	100% Design Submittal - SD Digesters & Control Building	86	23-Mar-16 A	16-Jun-16 A	100% Design Submittal - SD Digesters & Control Building																											
SD10010	Engineering Design - SD Digesters & Control Building	795	30-Jun-14 A	01-Sep-16 A	Engineering Design - SD Digesters & Control Building																											
SD40160	100% Design Review/Permit Ready Submittal - SD Digesters & Control Building	77	17-Jun-16 A	01-Sep-16 A	100% Design Review/Permit Ready Submittal - SD Digesters & Control Building																											
SD42180	EPA Compliance Date for Engineering Design - SD Digesters & Control Building	0		30-Sep-16 A	◆ EPA Compliance Date for Engineering Design - SD Digesters & Control Building																											
SD41520	60% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	60	06-Dec-16 A	03-Feb-17 A	60% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)																											
SD41800	60% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	7	04-Feb-17 A	10-Feb-17 A	60% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)																											
SD42430	100% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	49	11-Feb-17 A	31-Mar-17 A	100% Design Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)																											
SD43820	100% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)	10	01-Apr-17 A	10-Apr-17 A	100% Design Review - SD Sub-Stations 7 & 8 (Non-Consent Decree)																											
SD42440	100% Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	24	11-Apr-17 A	04-May-17 A	100% Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)																											
Permitting					1069 27-Jul-14 A 30-Jun-17 A																											
SD43170	EPA Start Date for Permitting - SD Digesters & Control Building	0	27-Jul-14 A		◆ EPA Start Date for Permitting - SD Digesters & Control Building																											
SD41860	FDEP Permit - SD Digesters & Control Building	299	26-Oct-15 A	19-Aug-16 A	FDEP Permit - SD Digesters & Control Building																											
SD10040	Permitting - SD Digesters & Control Building	569	26-Oct-15 A	16-May-17 A	Permitting - SD Digesters & Control Building																											
SD41870	RER DERM Permit - SD Digesters & Control Building	259	31-Aug-16 A	16-May-17 A	RER DERM Permit - SD Digesters & Control Building																											
SD41880	MDC Building Department Permit - SD Digesters & Control Building	259	31-Aug-16 A	16-May-17 A	MDC Building Department Permit - SD Digesters & Control Building																											
SD42870	RER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)	12	05-May-17 A	16-May-17 A	RER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)																											
SD42880	MDC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree)	12	05-May-17 A	16-May-17 A	MDC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree)																											
SD42190	EPA Compliance Date for Permitting - SD Digesters & Control Building	0		30-Jun-17 A	◆ EPA Compliance Date for Permitting - SD Digesters & Control Building																											
Procurement					621 25-Aug-17 A 07-May-19																											
SD43180	EPA Start Date for Procurement - SD Digesters & Control Building**	0	01-Sep-17 A		◆ EPA Start Date for Procurement - SD Digesters & Control Building**																											
SD43570	GMOU submittal and approval - SD Digesters & Control Building	23	25-Aug-17 A	16-Sep-17 A	GMOU submittal and approval - SD Digesters & Control Building																											
SD43450	Internal Bid Package Review - SD Digesters & Control Building	62	29-Aug-17 A	18-Oct-17 A	Internal Bid Package Review - SD Digesters & Control Building																											
SD30320	Design Documents Sent to Procurement - SD Digesters & Control Building	0	19-Oct-17 A		◆ Design Documents Sent to Procurement - SD Digesters & Control Building																											
SD30330	Submit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building	60	19-Oct-17 A	11-Jan-18 A	Submit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building																											
SD30340	Advertise Bid Package - SD Digesters & Control Building	0	12-Jan-18 A		◆ Advertise Bid Package - SD Digesters & Control Building																											
SD30350	Bid Solicitation Period - SD Digesters & Control Building	60	12-Jan-18 A	19-Mar-18 A	Bid Solicitation Period - SD Digesters & Control Building																											
SD30360	Bids Due - SD Digesters & Control Building	0	20-Mar-18 A		◆ Bids Due - SD Digesters & Control Building																											
SD42200	EPA Compliance Date for Procurement - SD Digesters & Control Building**	0		30-Apr-18 A	◆ EPA Compliance Date for Procurement - SD Digesters & Control Building**																											
SD30370	Bid Review Period - SD Digesters & Control Building	30	20-Mar-18 A	18-May-18 A	Bid Review Period - SD Digesters & Control Building																											
SD30380	Award Recommendation - SD Digesters & Control Building	0		18-May-18 A	◆ Award Recommendation - SD Digesters & Control Building																											
SD10080	Procurement - SD Digesters & Control Building	270	19-Oct-17 A	08-Aug-18	Procurement - SD Digesters & Control Building																											
SD30390	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building	75	19-May-18 A	08-Aug-18	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building																											
SD33690	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building	60	09-Aug-18	07-Oct-18	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building																											
SD33710	Advertise Pre-Purchase Package (RTU) - SD Digesters & Control Building	0	08-Oct-18		◆ Advertise Pre-Purchase Package (RTU) - SD Digesters & Control Building																											
SD33720	Vendor Bid & Award (RTU) - SD Digesters & Control Building	60	08-Oct-18	06-Dec-18	Vendor Bid & Award (RTU) - SD Digesters & Control Building																											
SD33730	Vendor NTP (RTU) - SD Digesters & Control Building	0		06-Dec-18	◆ Vendor NTP (RTU) - SD Digesters & Control Building																											
SD33700	Pre-Purchase RTU - SD Digesters & Control Building	272	09-Aug-18	07-May-19	Pre-Purchase RTU - SD Digesters & Control Building																											
SD33740	Fabricate & Deliver RTU - SD Digesters & Control Building	152	07-Dec-18	07-May-19	Fabricate & Deliver RTU - SD Digesters & Control Building																											
Construction					2001 01-May-18 A 21-Nov-23																											
SD43190	EPA Start Date for Construction - SD Digesters & Control Building**	0	01-May-18 A		◆ EPA Start Date for Construction - SD Digesters & Control Building**																											
SD30400	Contractor Notice to Proceed (NTP) - SD Digesters & Control Building	0	09-Aug-18		◆ Contractor Notice to Proceed (NTP) - SD Digesters & Control Building																											

** EPA Interim Milestone date was missed.

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
SD10140	Construction - SD Digesters & Control Building	1200	09-Aug-18	20-Nov-21	[Gantt bar: 2018 Q2 - 2021 Q4]																																			
SD44820	Commissioning - SD Digesters & Control Building	30	22-Oct-21	20-Nov-21	[Gantt bar: 2021 Q4]																																			
SD10560	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building	0		20-Nov-21*	[Milestone: 2021 Q4]																																			
SD40060	Project Closeout - SD Digesters & Control Building	90	21-Nov-21	18-Feb-22*	[Gantt bar: 2021 Q4 - 2022 Q1]																																			
SD42210	EPA Compliance Date for Construction - SD Digesters & Control Building	0		21-Nov-23*	[Milestone: 2023 Q4]																																			
Project Administration		2778	30-Jun-14 A	18-Feb-22	[Gantt bar: 2014 Q3 - 2022 Q1]																																			
SD35080	WASD Project Administration - SD Digesters & Control Building	2778	30-Jun-14 A	18-Feb-22	[Gantt bar: 2014 Q3 - 2022 Q1]																																			
1.08 Dewatering Facility					3490 01-Jul-14 A 19-Jan-24																																			
Pre-Design					71 19-Dec-14 A 28-Feb-15 A																																			
SD11222	Pre-Design - SD Dewatering Facilities	72	19-Dec-14 A	28-Feb-15 A	[Gantt bar: 2014 Q4 - 2015 Q1]																																			
Engineering Design					876 01-Jul-14 A 23-Nov-16 A																																			
SD43200	EPA Start Date for Engineering Design - SD Dewatering Facilities**	0	01-Jul-14 A		[Milestone: 2014 Q3]																																			
SD42220	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**	0		13-Apr-15 A	[Milestone: 2015 Q1]																																			
SD20000	Basis of Design Report (BODR) - SD Dewatering Facilities	234	13-Apr-15 A	02-Dec-15 A	[Gantt bar: 2015 Q1 - 2015 Q4]																																			
SD10030	Engineering Design (DCP) - SD Dewatering Facilities	467	13-Apr-15 A	29-Mar-16 A	[Gantt bar: 2015 Q1 - 2016 Q1]																																			
SD41100	Issue Final RDBS - SD Dewatering Facilities	0		29-Mar-16 A	[Milestone: 2016 Q1]																																			
SD20020	Design Criteria Package Initial Submittal - SD Dewatering Facilities	146	03-Dec-15 A	26-Apr-16 A	[Gantt bar: 2015 Q4 - 2016 Q1]																																			
SD20800	Pilot Testing of Thickening Process - SD Dewatering Facilities	253	21-Aug-15 A	29-Apr-16 A	[Gantt bar: 2015 Q3 - 2016 Q1]																																			
SD20030	DCP Design Review - SD Dewatering Facilities	25	25-Apr-16 A	19-May-16 A	[Gantt bar: 2016 Q1]																																			
SD20040	Final DCP Submittal - SD Dewatering Facilities	188	20-May-16 A	23-Nov-16 A	[Gantt bar: 2016 Q1 - 2016 Q4]																																			
Permitting					167 29-Jan-16 A 14-Jul-16 A																																			
SD20070	FDEP Permit - SD Dewatering Facilities	168	29-Jan-16 A	14-Jul-16 A	[Gantt bar: 2016 Q1 - 2016 Q2]																																			
Procurement					1787 29-Mar-16 A 17-Feb-21																																			
SD31600	RDBS Sent to Procurement - SD Dewatering Facilities	0	29-Mar-16 A		[Milestone: 2016 Q1]																																			
SD43220	EPA Start Date for Procurement - SD Dewatering Facilities	0		13-Apr-16 A	[Milestone: 2016 Q1]																																			
SD31610	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities	113	29-Mar-16 A	19-Jul-16 A	[Gantt bar: 2016 Q1 - 2016 Q2]																																			
SD31620	Advertise RDBS - SD Dewatering Facilities	0		20-Jul-16 A	[Milestone: 2016 Q2]																																			
SD31630	Request for Qualifications - SD Dewatering Facilities	59	20-Jul-16 A	16-Sep-16 A	[Gantt bar: 2016 Q2]																																			
SD31640	Qualifications Package Due - SD Dewatering Facilities	0		17-Sep-16 A	[Milestone: 2016 Q2]																																			
SD31650	Qualification Review Period - SD Dewatering Facilities	91	17-Sep-16 A	16-Dec-16 A	[Gantt bar: 2016 Q2 - 2016 Q3]																																			
SD31660	Shortlist Published - SD Dewatering Facilities	0		16-Dec-16 A	[Milestone: 2016 Q3]																																			
SD31670	Request for Proposals - SD Dewatering Facilities	101	24-Jan-17 A	04-May-17 A	[Gantt bar: 2016 Q3 - 2017 Q1]																																			
SD31680	Proposals Due - SD Dewatering Facilities	0		05-May-17 A	[Milestone: 2017 Q1]																																			
SD31690	Proposal Review Period & Oral Presentations - SD Dewatering Facilities	112	05-May-17 A	24-Aug-17 A	[Gantt bar: 2017 Q1]																																			
SD31700	Award Recommendation - SD Dewatering Facilities	0		25-Aug-17 A	[Milestone: 2017 Q1]																																			
SD31710	Contract Negotiations - SD Dewatering Facilities	53	25-Aug-17 A	17-Nov-17 A	[Gantt bar: 2017 Q1 - 2017 Q2]																																			
SD42240	EPA Compliance Date for Procurement - SD Dewatering Facilities	0		09-Jan-18 A	[Milestone: 2018 Q1]																																			
SD31720	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities	79	18-Nov-17 A	01-May-18 A	[Gantt bar: 2017 Q4 - 2018 Q1]																																			
SD44740	Bid Cancellation - SD Dewatering Facilities	0		30-May-18 A	[Milestone: 2018 Q1]																																			
SD44760	TA Re-Negotiation and Approval - SD Dewatering Facilities	60	11-May-18 A	23-Jul-18	[Gantt bar: 2018 Q1]																																			
SD10110	Procurement - SD Dewatering Facilities	679	29-Mar-16 A	17-Feb-21	[Gantt bar: 2016 Q1 - 2021 Q4]																																			
SD44720	Repackage and Rebid Project - SD Dewatering Facilities	940	24-Jul-18	17-Feb-21	[Gantt bar: 2018 Q2 - 2021 Q4]																																			
Design-Build					2180 10-Jan-18 A 19-Jan-24																																			
SD43230	EPA Start Date for Construction - SD Dewatering Facilities	0	10-Jan-18 A		[Milestone: 2018 Q1]																																			
SD31730	Design-Builder NTP - SD Dewatering Facilities	0		18-Feb-21	[Milestone: 2018 Q1]																																			
SD20010	Final Engineering by Design-Builder - SD Dewatering Facilities	365	18-Feb-21	17-Feb-22	[Gantt bar: 2018 Q1]																																			
SD20080	AHJ Permit Review - SD Dewatering Facilities	180	21-Oct-21	18-Apr-22	[Gantt bar: 2021 Q4]																																			
SD42250	EPA Compliance Date for Construction - SD Dewatering Facilities	0		06-Jan-23*	[Milestone: 2023 Q1]																																			
SD43870	Design-Builder Contract Duration - SD Dewatering Facilities	976	18-Feb-21	21-Oct-23	[Gantt bar: 2018 Q1 - 2023 Q4]																																			
SD10210	Construction - SD Dewatering Facilities	723	29-Oct-21	21-Oct-23	[Gantt bar: 2021 Q4 - 2023 Q4]																																			
SD44830	Commissioning - SD Dewatering Facilities	30	22-Sep-23	21-Oct-23	[Gantt bar: 2023 Q4]																																			
SD10450	Substantial Completion (CD Compliance Date 1/6/23) - SD Dewatering Facilities	0		21-Oct-23*	[Milestone: 2023 Q4]																																			
SD40070	Project Closeout - SD Dewatering Facilities	90	22-Oct-23	19-Jan-24*	[Gantt bar: 2023 Q4 - 2024 Q1]																																			
Project Administration		2096	13-Apr-15 A	19-Jan-24	[Gantt bar: 2015 Q1 - 2024 Q1]																																			
SD35090	WASD Project Administration - SD Dewatering Facilities	2096	13-Apr-15 A	19-Jan-24	[Gantt bar: 2015 Q1 - 2024 Q1]																																			
1.09 FOG Removal Facility					1815 08-Jul-14 A 26-Jun-19																																			
Engineering Design					588 08-Jul-14 A 16-Feb-16 A																																			
SD43240	EPA Start Date for Engineering Design - SD FOG Removal Facility	0	08-Jul-14 A		[Milestone: 2014 Q3]																																			
SD20560	Technical Evaluation of Alternatives - SD FOG Removal Facility	252	08-Jul-14 A	16-Mar-15 A	[Gantt bar: 2014 Q3 - 2015 Q1]																																			
SD20570	Negotiate Scope and Cost with MWH - SD FOG Removal Facility	136	19-Dec-14 A	03-May-15 A	[Gantt bar: 2014 Q4 - 2015 Q1]																																			
SD20580	Basis of Design Report (BODR) Submittal - SD FOG Removal Facility	79	04-May-15 A	21-Jul-15 A	[Gantt bar: 2015 Q1]																																			
SD20590	BODR Design Review - SD FOG Removal Facility	38	22-Jul-15 A	28-Aug-15 A	[Gantt bar: 2015 Q1]																																			
SD20600	60% Design Submittal - SD FOG Removal Facility	37	01-Sep-15 A	07-Oct-15 A	[Gantt bar: 2015 Q3]																																			
SD20610	60% Design Review - SD FOG Removal Facility	15	08-Oct-15 A	22-Oct-15 A	[Gantt bar: 2015 Q3]																																			
SD20620	100% Design Submittal - SD FOG Removal Facility	62	23-Oct-15 A	23-Dec-15 A	[Gantt bar: 2015 Q4]																																			
SD10000	Engineering Design - SD FOG Removal Facility	563	08-Jul-14 A	21-Jan-16 A	[Gantt bar: 2014 Q3 - 2016 Q1]																																			
SD40170	100% Design Review/Permit Ready Submittal - SD FOG Removal Facility	29	24-Dec-15 A	21-Jan-16 A	[Gantt bar: 2015 Q4 - 2016 Q1]																																			
SD42260	EPA Compliance Date for Engineering Design - SD FOG Removal Facility	0		16-Feb-16 A	[Milestone: 2016 Q1]																																			
Permitting					353 10-Nov-15 A 28-Oct-16 A																																			

** EPA Interim Milestone date was missed.

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
SD43250	EPA Start Date for Permitting - SD FOG Removal Facility	0	17-Feb-16 A		◆ EPA Start Date for Permitting - SD FOG Removal Facility																																			
SD41770	FDEP Permit - SD FOG Removal Facility	241	10-Nov-15 A	07-Jul-16 A	■ FDEP Permit - SD FOG Removal Facility																																			
SD10020	Permitting - SD FOG Removal Facility	310	10-Nov-15 A	14-Sep-16 A	■ Permitting - SD FOG Removal Facility																																			
SD41760	RER Bldg Dept. Permit - SD FOG Removal Facility	225	03-Feb-16 A	14-Sep-16 A	■ RER Bldg Dept. Permit - SD FOG Removal Facility																																			
SD42270	EPA Compliance Date for Permitting - SD FOG Removal Facility	0		28-Oct-16 A	◆ EPA Compliance Date for Permitting - SD FOG Removal Facility																																			
Procurement					788 03-May-15 A 29-Jun-17 A																																			
SD43260	EPA Start Date for Procurement - SD FOG Removal Facility	0	03-May-15 A		◆ EPA Start Date for Procurement - SD FOG Removal Facility																																			
SD30230	Design Documents Sent to Procurement - SD FOG Removal Facility	0	05-Aug-16 A		◆ Design Documents Sent to Procurement - SD FOG Removal Facility																																			
SD30240	Submit/Approve SBD Goals - SD FOG Removal Facility	62	05-Aug-16 A	05-Oct-16 A	■ Submit/Approve SBD Goals - SD FOG Removal Facility																																			
SD42910	OCI Reviews and Provides List - SD FOG Removal Facility	7	06-Oct-16 A	12-Oct-16 A	■ OCI Reviews and Provides List - SD FOG Removal Facility																																			
SD30250	Advertise Bid Package - SD FOG Removal Facility	0	13-Oct-16 A		◆ Advertise Bid Package - SD FOG Removal Facility																																			
SD30260	Bid Solicitation Period - SD FOG Removal Facility	50	13-Oct-16 A	01-Dec-16 A	■ Bid Solicitation Period - SD FOG Removal Facility																																			
SD30270	Bids Due - SD FOG Removal Facility	0	01-Dec-16 A		◆ Bids Due - SD FOG Removal Facility																																			
SD30280	Bid Review Period - SD FOG Removal Facility	44	02-Dec-16 A	14-Jan-17 A	■ Bid Review Period - SD FOG Removal Facility																																			
SD43470	OCI Reviews and Provides List (for Rebid) - SD FOG Removal Facility	32	15-Jan-17 A	15-Feb-17 A	■ OCI Reviews and Provides List (for Rebid) - SD FOG Removal Facility																																			
SD43480	Advertise Bid Package (for Rebid) - SD FOG Removal Facility	0	16-Feb-17 A		◆ Advertise Bid Package (for Rebid) - SD FOG Removal Facility																																			
SD43490	Bid Solicitation Period (for Rebid) - SD FOG Removal Facility	41	16-Feb-17 A	28-Mar-17 A	■ Bid Solicitation Period (for Rebid) - SD FOG Removal Facility																																			
SD43500	Bids Due (for Rebid) - SD FOG Removal Facility	0	29-Mar-17 A		◆ Bids Due (for Rebid) - SD FOG Removal Facility																																			
SD43510	Bid Review Period (for Rebid) - SD FOG Removal Facility	38	29-Mar-17 A	05-May-17 A	■ Bid Review Period (for Rebid) - SD FOG Removal Facility																																			
SD30290	Award Recommendation - SD FOG Removal Facility	0		05-May-17 A	◆ Award Recommendation - SD FOG Removal Facility																																			
SD42280	EPA Compliance Date for Procurement - SD FOG Removal Facility**	0		15-May-17 A	◆ EPA Compliance Date for Procurement - SD FOG Removal Facility**																																			
SD10070	Procurement - SD FOG Removal Facility	329	05-Aug-16 A	29-Jun-17 A	■ Procurement - SD FOG Removal Facility																																			
SD30300	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD FOG Removal Facility	55	06-May-17 A	29-Jun-17 A	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - SD FOG Removal Facility																																			
Construction					727 30-Jun-17 A 26-Jun-19																																			
SD10123	Contractor Notice to Proceed (NTP) - SD FOG Removal Facility	0	30-Jun-17 A		◆ Contractor Notice to Proceed (NTP) - SD FOG Removal Facility																																			
SD43270	EPA Start Date for Construction - SD FOG Removal Facility	0	31-Jul-17 A		◆ EPA Start Date for Construction - SD FOG Removal Facility																																			
SD44880	Commissioning (Part 1) - SD FOG Removal Facility	30	01-Nov-18*	30-Nov-18	■ Commissioning (Part 1) - SD FOG Removal Facility																																			
SD10130	Construction - SD FOG Removal Facility	329	30-Jun-17 A	28-Mar-19	■ Construction - SD FOG Removal Facility																																			
SD44840	Commissioning (Part 2) - SD FOG Removal Facility	30	27-Feb-19	28-Mar-19	■ Commissioning (Part 2) - SD FOG Removal Facility																																			
SD10270	Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility	0		28-Mar-19*	◆ Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility																																			
SD42290	EPA Compliance Date for Construction - SD FOG Removal Facility	0		24-May-19*	◆ EPA Compliance Date for Construction - SD FOG Removal Facility																																			
SD40080	Project Closeout - SD FOG Removal Facility	90	29-Mar-19	26-Jun-19*	■ Project Closeout - SD FOG Removal Facility																																			
Project Administration					1507 08-Jul-14 A 26-Jun-19																																			
SD35100	WASD Project Administration - SD FOG Removal Facility	1507	08-Jul-14 A	26-Jun-19	■ WASD Project Administration - SD FOG Removal Facility																																			
1.10 Odor Control					1946 25-Jan-18 A 28-Jun-23																																			
Pre-Design					390 25-Jan-18 A 25-Mar-19																																			
SD11182	Pre-Design (BODR) - SD Odor Control	180	25-Jan-18 A	27-Aug-18	■ Pre-Design (BODR) - SD Odor Control																																			
SD44770	Pre-Design (Remaining Scope of Work) - SD Odor Control	150	27-Oct-18	25-Mar-19	■ Pre-Design (Remaining Scope of Work) - SD Odor Control																																			
Engineering Design					555 28-Aug-18 04-Mar-20																																			
SD20630	Basis of Design Report (BODR) - SD Odor Control	60	28-Aug-18	26-Oct-18	■ Basis of Design Report (BODR) - SD Odor Control																																			
SD20640	BODR Review Period - SD Odor Control	14	27-Oct-18	09-Nov-18	■ BODR Review Period - SD Odor Control																																			
SD43280	EPA Start Date for Engineering Design - SD Odor Control	0	01-Dec-18*		◆ EPA Start Date for Engineering Design - SD Odor Control																																			
SD42300	EPA Compliance Date for Engineering Design - SD Odor Control	0		27-Jun-19*	◆ EPA Compliance Date for Engineering Design - SD Odor Control																																			
SD20650	30% Design Submittal - SD Odor Control	95	26-Mar-19	28-Jun-19	■ 30% Design Submittal - SD Odor Control																																			
SD20660	30% Design Review - SD Odor Control	14	29-Jun-19	12-Jul-19	■ 30% Design Review - SD Odor Control																																			
SD20670	60% Design Submittal - SD Odor Control	105	13-Jul-19	25-Oct-19	■ 60% Design Submittal - SD Odor Control																																			
SD20680	60% Design Review - SD Odor Control	21	26-Oct-19	15-Nov-19	■ 60% Design Review - SD Odor Control																																			
SD20690	100% Design Submittal - SD Odor Control	80	16-Nov-19	03-Feb-20	■ 100% Design Submittal - SD Odor Control																																			
SD10360	Engineering Design - SD Odor Control	555	28-Aug-18	04-Mar-20	■ Engineering Design - SD Odor Control																																			
SD40180	100% Design Review/Permit Ready Submittal - SD Odor Control	30	04-Feb-20	04-Mar-20	■ 100% Design Review/Permit Ready Submittal - SD Odor Control																																			
Permitting					431 28-Jun-19 31-Aug-20																																			
SD43290	EPA Start Date for Permitting - SD Odor Control	0	28-Jun-19*		◆ EPA Start Date for Permitting - SD Odor Control																																			
SD42310	EPA Compliance Date for Permitting - SD Odor Control	0		26-Jun-20*	◆ EPA Compliance Date for Permitting - SD Odor Control																																			
SD10400	Permitting - SD Odor Control	180	05-Mar-20	31-Aug-20	■ Permitting - SD Odor Control																																			
Procurement					365 27-Jun-20 26-Jun-21																																			
SD43300	EPA Start Date for Procurement - SD Odor Control	0	27-Jun-20*		◆ EPA Start Date for Procurement - SD Odor Control																																			
SD43460	Internal Bid Package Review - SD Odor Control	3	01-Sep-20	03-Sep-20	■ Internal Bid Package Review - SD Odor Control																																			
SD30730	Design Documents Sent to Procurement - SD Odor Control	0	04-Sep-20		◆ Design Documents Sent to Procurement - SD Odor Control																																			
SD30740	Submit/Approve SBD Goals and Request to Advertise - SD Odor Control	60	04-Sep-20	02-Nov-20	■ Submit/Approve SBD Goals and Request to Advertise - SD Odor Control																																			
SD30750	Advertise Bid Package - SD Odor Control	0	03-Nov-20		◆ Advertise Bid Package - SD Odor Control																																			
SD30760	Bid Solicitation Period - SD Odor Control	60	03-Nov-20	01-Jan-21	■ Bid Solicitation Period - SD Odor Control																																			
SD30770	Bids Due - SD Odor Control	0	02-Jan-21		◆ Bids Due - SD Odor Control																																			
SD30780	Bid Review Period - SD Odor Control	30	02-Jan-21	31-Jan-21	■ Bid Review Period - SD Odor Control																																			
SD30790	Award Recommendation - SD Odor Control	0		31-Jan-21	◆ Award Recommendation - SD Odor Control																																			
SD10480	Procurement - SD Odor Control	270	04-Sep-20	31-May-21	■ Procurement - SD Odor Control																																			
SD30800	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control	120	01-Feb-21	31-May-21	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control																																			
SD42320	EPA Compliance Date for Procurement - SD Odor Control	0		26-Jun-21*	◆ EPA Compliance Date for Procurement - SD Odor Control																																			
Construction					758 01-Jun-21 28-Jun-23																																			
SD10538	Contractor Notice to Proceed (NTP) - SD Odor Control	0	01-Jun-21		◆ Contractor Notice to Proceed (NTP) - SD Odor Control																																			

** EPA Interim Milestone date was missed.

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									
SD44950	Permitting - Generator Repairs	128	30-Oct-18	06-Mar-19																																											
Procurement					301					14-Sep-18					11-Jul-19																																
SD44960	Pre-Purchase Remote Radiators - Generator Repairs	48	14-Sep-18	31-Oct-18																																											
SD44650	Procurement of Generator Repairs Contractor - Generator Repairs	126	07-Mar-19	10-Jul-19																																											
SD44970	Fabricate and Deliver Remote Radiators (Pre-Purchase) - Generator Repairs	253	01-Nov-18	11-Jul-19																																											
Construction					313					08-Aug-19					15-Jun-20																																
SD44660	Contractor Notice to Proceed (NTP) - Generator Repairs	0	08-Aug-19																																												
SD44670	Construction - Generator Repairs	253	08-Aug-19	16-Apr-20																																											
SD44870	Commissioning - Generator Repairs	30	18-Mar-20	16-Apr-20																																											
SD44680	Substantial Completion (CD Compliance Date 3/26/21) - Generator Repairs	0		16-Apr-20*																																											
SD44690	Project Closeout - Generator Repairs	60	17-Apr-20	15-Jun-20*																																											
Project Administration					90					25-Oct-16 A					15-Jun-20																																
SD44700	WASD Project Administration - Generator Repairs	90	25-Oct-16 A	15-Jun-20																																											
1.11 (2) Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2))					1171					24-Oct-17 A					13-Jan-21																																
Engineering Design					191					24-Oct-17 A					20-Jul-18																																
SD40440	Engineering Design - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical	191	24-Oct-17 A	20-Jul-18																																											
Permitting					180					20-Jul-18					16-Jan-19																																
SD40370	Permitting - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical	180	20-Jul-18	16-Jan-19																																											
Procurement					270					20-Jan-19					16-Oct-19																																
SD40300	Procurement - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical	270	20-Jan-19	16-Oct-19																																											
Construction					455					17-Oct-19					13-Jan-21																																
SD40230	Construction - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical	365	17-Oct-19	15-Oct-20																																											
SD43600	Project Closeout - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical	90	16-Oct-20	13-Jan-21*																																											
Project Administration					1171					24-Oct-17 A					13-Jan-21																																
SD44170	WASD Project Administration - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical	1171	24-Oct-17 A	13-Jan-21																																											
1.11 (3) Replace Primary Feeder from Elect. Bldg 1 to Substation 7 & 8 (Project 1.07)					2091					30-Jun-14 A					20-Mar-20																																
Engineering Design					1040					30-Jun-14 A					04-May-17 A																																
SD40430	Engineering Design - Elect. Feeder Bldg 1 to SS 7 & 8 (Project 1.07) - SD General Electrical	1040	30-Jun-14 A	04-May-17 A																																											
Permitting					11					05-May-17 A					16-May-17 A																																
SD40360	Permitting - Elect. Feeder Bldg 1 to SS 7 & 8 (Project 1.07) - SD General Electrical	12	05-May-17 A	16-May-17 A																																											
Procurement					270					19-Oct-17 A					08-Aug-18																																
SD40290	Procurement - Elect. Feeder Bldg 1 to SS 7 & 8 (Project 1.07) - SD General Electrical	270	19-Oct-17 A	08-Aug-18																																											
Construction					590					09-Aug-18					20-Mar-20																																
SD40220	Construction - Elect. Feeder Bldg 1 to SS 7 & 8 (Project 1.07) - SD General Electrical	500	09-Aug-18	21-Dec-19																																											
SD43610	Project Closeout - Elect. Feeder Bldg 1 to SS 7 - SD General Electrical	90	22-Dec-19	20-Mar-20*																																											
Project Administration					2078					30-Jun-14 A					20-Mar-20																																
SD44180	WASD Project Administration - Elect. Feeder Bldg 1 to SS 7 - SD General Electrical	2078	30-Jun-14 A	20-Mar-20																																											
1.12 Chlorine Contact Chamber					2126					24-Aug-15 A					18-Jun-21																																
Engineering Design					1461					01-Oct-15 A					30-Sep-19																																
SD43360	EPA Start Date for Engineering Design - SD Chlorine Contact Chamber	0	01-Aug-16 A																																												
SD10150	Engineering Design - SD Chlorine Contact Chamber	657	01-Oct-15 A	18-Jul-17 A																																											
SD42380	EPA Compliance Date for Engineering Design - SD Chlorine Contact Chamber	0		30-Sep-19*																																											
Permitting					942					01-Oct-15 A					08-Apr-18 A																																
SD10200	Permitting - SD Chlorine Contact Chamber	30	01-Oct-15 A	30-Oct-15 A																																											
SD43370	EPA Start Date for Permitting - SD Chlorine Contact Chamber	0	09-Apr-17 A																																												
SD42390	EPA Compliance Date for Permitting - SD Chlorine Contact Chamber	0		08-Apr-18 A																																											
Procurement					1910					24-Aug-15 A					14-Nov-20																																
SD43380	EPA Start Date for Procurement - SD Chlorine Contact Chamber	0	09-Apr-18 A																																												
SD42400	EPA Compliance Date for Procurement - SD Chlorine Contact Chamber	0		08-Apr-19*																																											
SD10290	Procurement - SD Chlorine Contact Chamber	1910	24-Aug-15 A	14-Nov-20																																											
Construction					1992					05-Jan-16 A					18-Jun-21																																
SD43390	EPA Start Date for Construction - SD Chlorine Contact Chamber	0	09-Apr-19*																																												
SD10370	Construction - SD Chlorine Contact Chamber Struct. Rehab	1686	05-Jan-16 A	27-Feb-21																																											
SD10530	Substantial Completion (CD Compliance Date 6/18/21) - SD Chlorine Contact Chamber	0		27-Feb-21*																																											
SD42410	EPA Compliance Date for Construction - SD Chlorine Contact Chamber	0		18-Jun-21*																																											
Project Administration					1872					01-Oct-15 A					28-May-21																																
SD35130	WASD Project Administration - SD Chlorine Contact Chamber	1872	01-Oct-15 A	28-May-21																																											
1.12 (1) Chlorine Contact Chamber Actuator Replacement					1162					24-Aug-15 A					03-Sep-18																																
Engineering Design					29					01-Oct-15 A					30-Oct-15 A																																
SD41900	Engineering Design - Actuators Technical Data	30	01-Oct-15 A	30-Oct-15 A																																											
Permitting					29					01-Oct-15 A					30-Oct-15 A																																
SD43410	Permitting - Actuators	30	01-Oct-15 A	30-Oct-15 A																																											
Procurement					133					24-Aug-15 A					04-Jan-16 A																																
SD41600	Procurement - Actuators	134	24-Aug-15 A	04-Jan-16 A																																											
Construction					243					05-Jan-16 A					03-Sep-18																																
SD41630	Construction - Actuators (inc. Electrical)	32	05-Jan-16 A	05-Jun-18 A																																											
SD44540	Substantial Completion - Actuators (inc. Electrical)	0		05-Jun-18 A																																											
SD44550	Project Closeout - Actuators (inc. Electrical)	90	06-Jun-18 A	03-Sep-18*																																											
Project Administration					792					01-Oct-15 A					03-Sep-18																																
SD44190	WASD Project Administration - Actuators (inc. Electrical)	792	01-Oct-15 A	03-Sep-18																																											
1.12 (2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement					1789					05-Jul-16 A					28-May-21																																

** EPA Interim Milestone date was missed.

Activity ID	Activity Name	Original Duration	Start	Finish	Timeline (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
Pre-Design					23-Feb-17 A, Pre-Design																																	
SD42720	Pre-Design - Structural Rehab	234	05-Jul-16 A	23-Feb-17 A	Pre-Design - Structural Rehab																																	
Engineering Design					18-Jul-17 A, Engineering Design																																	
SD43750	Engineering Design Contact Chambers #1-4 - Structural Rehab	144	24-Feb-17 A	18-Jul-17 A	Engineering Design Contact Chambers #1-4 - Structural Rehab																																	
Procurement					14-Nov-20, Procurement																																	
SD44060	Requisition Sent to Procurement - Sluice Gates	1206	28-Jul-17 A	14-Nov-20	Requisition Sent to Procurement - Sluice Gates																																	
SD44130	Request to Advertise - Sluice Gates	0	28-Jul-17 A	07-Aug-17 A	Request to Advertise - Sluice Gates																																	
SD44070	Advertise - Sluice Gates	11	08-Aug-17 A	07-Aug-17 A	Advertise - Sluice Gates																																	
SD44080	Bid Solicitation Period - Sluice Gates	0	08-Aug-17 A	24-Aug-17 A	Bid Solicitation Period - Sluice Gates																																	
SD44090	Bids Due - Sluice Gates	17	25-Aug-17 A	24-Aug-17 A	Bids Due - Sluice Gates																																	
SD44100	Bid Review Period - Sluice Gates	0	25-Aug-17 A	05-Sep-17 A	Bid Review Period - Sluice Gates																																	
SD44110	Award Recommendation - Sluice Gates	12	25-Aug-17 A	05-Sep-17 A	Award Recommendation - Sluice Gates																																	
SD43830	Procurement - Sluice Gates (Summary)	0	28-Jul-17 A	25-Sep-17 A	Procurement - Sluice Gates (Summary)																																	
SD44120	Final Approval - Sluice Gates	60	06-Sep-17 A	02-Oct-17 A	Final Approval - Sluice Gates																																	
SD42810	Procurement Contact Chamber #1 - Structural Rehab	27	20-Oct-17 A	12-Dec-17 A	Procurement Contact Chamber #1 - Structural Rehab																																	
SD42800	Procurement Contact Chamber #2 - Structural Rehab	35	17-Aug-18*	14-Nov-18	Procurement Contact Chamber #2 - Structural Rehab																																	
SD42790	Procurement Contact Chamber #3 - Structural Rehab	90	17-Aug-19*	14-Nov-19	Procurement Contact Chamber #3 - Structural Rehab																																	
SD41610	Procurement - Chlorine Contact Chamber	1111	28-Jul-17 A	14-Nov-20	Procurement - Chlorine Contact Chamber																																	
SD41620	Procurement Contact Chamber #4 - Structural Rehab	90	17-Aug-20*	14-Nov-20	Procurement Contact Chamber #4 - Structural Rehab																																	
Construction					28-May-21, Construction																																	
SD42840	Construction Contact Chamber #1 - Structural Rehab	1303	03-Oct-17 A	28-May-21	Construction Contact Chamber #1 - Structural Rehab																																	
SD43850	Construction - Sluice Gates	105	13-Dec-17 A	05-Jun-18 A	Construction - Sluice Gates																																	
SD42830	Construction Contact Chamber #2 - Structural Rehab	232	03-Oct-17 A	13-Jul-18	Construction Contact Chamber #2 - Structural Rehab																																	
SD42820	Construction Contact Chamber #3 - Structural Rehab	105	15-Nov-18	27-Feb-19	Construction Contact Chamber #3 - Structural Rehab																																	
SD41640	Construction - Chlorine Contact Chamber	105	15-Nov-19	27-Feb-20	Construction - Chlorine Contact Chamber																																	
SD41650	Construction Contact Chamber #4 - Structural Rehab	1018	03-Oct-17 A	27-Feb-21	Construction Contact Chamber #4 - Structural Rehab																																	
SD44530	Substantial Completion (CD Compliance Date 6/18/21) - Structural Rehab	105	15-Nov-20*	27-Feb-21	Substantial Completion (CD Compliance Date 6/18/21) - Structural Rehab																																	
SD40110	Project Closeout - Structural Rehab	0	28-Feb-21	28-May-21*	Project Closeout - Structural Rehab																																	
Project Administration					28-May-21, Project Administration																																	
SD44200	WASD Project Administration - SD Chlorine Contact Chamber	1360	24-Feb-17 A	28-May-21	WASD Project Administration - SD Chlorine Contact Chamber																																	
2. Central District WWTP					27-Sep-27																																	
2.01 Miscellaneous Electrical Improvements					14-Jun-21, 2.01 Miscellaneous Electrical Improvements																																	
Engineering Design					28-Dec-18, Engineering Design																																	
CD82340	EPA Start Date for Engineering Design - CD Misc. Elect. Improvements	2561	11-Jun-14 A	14-Jun-21	EPA Start Date for Engineering Design - CD Misc. Elect. Improvements																																	
CD42420	EPA Compliance Date for Engineering Design - CD Misc. Elect. Improvements	1335	11-Jun-14 A	28-Dec-18	EPA Compliance Date for Engineering Design - CD Misc. Elect. Improvements																																	
CD10160	Engineering Design - CD Misc. Elect. Improvements	0	01-Jan-17 A	31-Dec-17 A	Engineering Design - CD Misc. Elect. Improvements																																	
Permitting					20-Jun-18 A, Permitting																																	
CD82350	EPA Start Date for Permitting - CD Misc. Elect. Improvements	925	18-Dec-15 A	20-Jun-18 A	EPA Start Date for Permitting - CD Misc. Elect. Improvements																																	
CD10330	Permitting - CD Misc. Elect. Improvements	0	21-Jun-17 A	22-May-18 A	Permitting - CD Misc. Elect. Improvements																																	
CD42430	EPA Compliance Date for Permitting - CD Misc. Elect. Improvements	704	18-Dec-15 A	20-Jun-18 A	EPA Compliance Date for Permitting - CD Misc. Elect. Improvements																																	
Procurement					24-Sep-19, Procurement																																	
CD82360	EPA Start Date for Procurement - CD Misc. Elect. Improvements	1428	24-Jul-15 A	24-Sep-19	EPA Start Date for Procurement - CD Misc. Elect. Improvements																																	
CD42440	EPA Compliance Date for Procurement - CD Misc. Elect. Improvements	0	21-Jun-18 A	20-Jun-19*	EPA Compliance Date for Procurement - CD Misc. Elect. Improvements																																	
CD10560	Procurement - CD Misc. Elect. Improvements	1197	24-Jul-15 A	24-Sep-19	Procurement - CD Misc. Elect. Improvements																																	
Construction					14-Jun-21, Construction																																	
CD82370	EPA Start Date for Construction - CD Misc. Elect. Improvements	1964	29-Jan-16 A	14-Jun-21	EPA Start Date for Construction - CD Misc. Elect. Improvements																																	
CD10810	Construction - CD Misc. Elect. Improvements	0	21-Jun-19*	12-Feb-21	Construction - CD Misc. Elect. Improvements																																	
CD10960	Substantial Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements	1261	29-Jan-16 A	12-Feb-21	Substantial Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements																																	
CD42450	EPA Compliance Date for Construction - CD Misc. Elect. Improvements	0	14-Jun-21*	14-Jun-21*	EPA Compliance Date for Construction - CD Misc. Elect. Improvements																																	
Project Administration					26-Jan-21, Project Administration																																	
CD33930	WASD Project Administration - CD Misc. Elect. Improvements	1618	01-Oct-15 A	26-Jan-21	WASD Project Administration - CD Misc. Elect. Improvements																																	
2.01 (1) Substations 1 & 2					05-May-16 A, 2.01 (1) Substations 1 & 2																																	
Engineering Design					30-Jan-16 A, Engineering Design																																	
CD40820	Engineering Design Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements	121	01-Oct-15 A	30-Jan-16 A	Engineering Design Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements																																	
Permitting					26-Feb-16 A, Permitting																																	
CD40900	Permitting Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements	122	01-Oct-15 A	30-Jan-16 A	Permitting Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements																																	
Procurement					28-Sep-15 A, Procurement																																	
CD40980	Procurement Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements	70	18-Dec-15 A	26-Feb-16 A	Procurement Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements																																	
Construction					05-May-16 A, Construction																																	
CD40280	Construction - Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements	66	24-Jul-15 A	28-Sep-15 A	Construction - Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements																																	
Project Administration					05-May-16 A, Project Administration																																	
CD85030	WASD Project Administration - Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements	67	24-Jul-15 A	28-Sep-15 A	WASD Project Administration - Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements																																	
2.01 (2) Substations 3, 4A, 4B, 5 & 6 (Project 2.27(2))					12-Feb-21, 2.01 (2) Substations 3, 4A, 4B, 5 & 6 (Project 2.27(2))																																	
Engineering Design					14-Apr-17 A, Engineering Design																																	
CD70450	Engineering Design Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements	286	24-Jul-15 A	05-May-16 A	Engineering Design Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements																																	
Procurement					04-Jan-19, Procurement																																	
CD70470	Procurement Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements	287	24-Jul-15 A	05-May-16 A	Procurement Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements																																	
Construction					12-Feb-21, Construction																																	
CD70480	Construction Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements	770	05-Jan-19	12-Feb-21	Construction Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements																																	
Project Administration					12-Feb-21, Project Administration																																	
CD70480	Construction Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements	1552	13-Apr-15 A	12-Feb-21	Construction Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect. Improvements																																	

** EPA Interim Milestone date was missed.

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
CD85040	WASD Project Administration - 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	1552	13-Apr-15 A	12-Feb-21	WASD Project Administration - 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements																																			
2.01 (3) Substations 9 & 10 (Project 2.10(1))					WASD Project Administration - 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements																																			
Engineering Design					01-Feb-17 A, Engineering Design																																			
CD40850	Engineering Design Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	327	11-Mar-16 A	01-Feb-17 A	Engineering Design Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements																																			
Permitting					22-May-18 A, Permitting																																			
CD40930	Permitting Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	476	18-Jul-16 A	22-May-18 A	Permitting Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements																																			
Procurement					01-Nov-18, Procurement																																			
CD41010	Procurement Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	270	27-Nov-17 A	01-Nov-18	Procurement Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements																																			
Construction					15-Oct-19, Construction																																			
CD40760	Construction Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	348	02-Nov-18	15-Oct-19	Construction Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements																																			
Project Administration					15-Oct-19, Project Administration																																			
CD85050	WASD Project Administration - 9 & 10 (2.10) - CD Misc. Elect.Improvements	1226	11-Mar-16 A	15-Oct-19	WASD Project Administration - 9 & 10 (2.10) - CD Misc. Elect.Improvements																																			
2.01 (4) Substations 11 & 12 (Project 2.11)					WASD Project Administration - 9 & 10 (2.10) - CD Misc. Elect.Improvements																																			
Engineering Design					16-Jun-17 A, Engineering Design																																			
CD40860	Engineering Design Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	296	24-Aug-16 A	16-Jun-17 A	Engineering Design Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements																																			
Permitting					27-Feb-18 A, Permitting																																			
CD40940	Permitting Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	152	22-Jun-17 A	27-Feb-18 A	Permitting Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements																																			
Procurement					08-Dec-18, Procurement																																			
CD41020	Procurement Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	236	07-Mar-18 A	06-Dec-18	Procurement Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements																																			
Construction					19-Feb-20, Construction																																			
CD40740	Construction Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	440	07-Dec-18	19-Feb-20	Construction Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements																																			
Project Administration					19-Feb-20, Project Administration																																			
CD85060	WASD Project Administration - 11 & 12 (2.11) - CD Misc. Elect.Improvements	1051	24-Aug-16 A	19-Feb-20	WASD Project Administration - 11 & 12 (2.11) - CD Misc. Elect.Improvements																																			
2.01 (5) Substations 15 & 16 (Project 2.15(1))					WASD Project Administration - 11 & 12 (2.11) - CD Misc. Elect.Improvements																																			
Engineering Design					11-Jun-14 A, Engineering Design																																			
CD40880	Engineering Design Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	475	11-Jun-14 A	29-Sep-15 A	Engineering Design Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements																																			
Permitting					24-Aug-16 A, Permitting																																			
CD40960	Permitting Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	329	30-Sep-15 A	24-Aug-16 A	Permitting Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements																																			
Procurement					30-Oct-16 A, Procurement																																			
CD41040	Procurement Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	198	15-Apr-16 A	30-Oct-16 A	Procurement Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements																																			
Construction					30-Apr-19, Construction																																			
CD40750	Construction - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	540	31-Oct-16 A	30-Apr-19	Construction - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements																																			
Project Administration					30-Apr-19, Project Administration																																			
CD85070	WASD Project Administration - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	1413	11-Jun-14 A	30-Apr-19	WASD Project Administration - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements																																			
2.01 (6) Substations 17 & 18 (Project 2.19(2)a)					WASD Project Administration - 15 & 16 (2.15) - CD Misc. Elect.Improvements																																			
Engineering Design					02-Sep-16 A, Engineering Design																																			
CD40890	Engineering Design Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	456	04-Jun-15 A	02-Sep-16 A	Engineering Design Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements																																			
Permitting					22-Jun-17 A, Permitting																																			
CD40970	Permitting Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	408	10-May-16 A	22-Jun-17 A	Permitting Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements																																			
Procurement					06-Jul-17 A, Procurement																																			
CD41050	Procurement Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	293	16-Sep-16 A	06-Jul-17 A	Procurement Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements																																			
Construction					22-May-19, Construction																																			
CD40770	Construction Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	660	20-Jul-17 A	22-May-19	Construction Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements																																			
Project Administration					22-May-19, Project Administration																																			
CD85080	WASD Project Administration - 17 & 18 (2.19) - CD Misc. Elect.Improvements	1437	04-Jun-15 A	22-May-19	WASD Project Administration - 17 & 18 (2.19) - CD Misc. Elect.Improvements																																			
2.01 (7) Substations 7A, 8A, 9A, & 10A					WASD Project Administration - 17 & 18 (2.19) - CD Misc. Elect.Improvements																																			
Pre-Design					31-Jul-18, Pre-Design																																			
CD85410	Pre-Design (TM) - Substations 7A, 8A, 9A, & 10A	229	17-Oct-16 A	31-Jul-18	Pre-Design (TM) - Substations 7A, 8A, 9A, & 10A																																			
CD85420	Pre-Design (Remaining Scope of Work) - Substations 7A, 8A, 9A, & 10A	97	17-Oct-16 A	09-Aug-17 A	Pre-Design (Remaining Scope of Work) - Substations 7A, 8A, 9A, & 10A																																			
Engineering Design					28-Dec-18, Engineering Design																																			
CD85430	Draft Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	150	23-Dec-17 A	31-Jul-18	Draft Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A																																			
CD85440	Final Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	507	09-Aug-17 A	28-Dec-18	Final Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A																																			
CD85830	Basis of Design Report (BODR) - Substations 7A, 8A, 9A, & 10A	97	09-Aug-17 A	27-Nov-17 A	Basis of Design Report (BODR) - Substations 7A, 8A, 9A, & 10A																																			
CD85840	Review/Revise BODR - Substations 7A, 8A, 9A, & 10A	30	28-Nov-17 A	22-Dec-17 A	Review/Revise BODR - Substations 7A, 8A, 9A, & 10A																																			
CD85450	60% Design Submittal - Substations 7A, 8A, 9A, & 10A	45	01-Aug-18	14-Sep-18	60% Design Submittal - Substations 7A, 8A, 9A, & 10A																																			
CD85460	60% Design Review - Substations 7A, 8A, 9A, & 10A	15	15-Sep-18	29-Sep-18	60% Design Review - Substations 7A, 8A, 9A, & 10A																																			
CD85470	100% Design Submittal - Substations 7A, 8A, 9A, & 10A	30	30-Sep-18	29-Oct-18	100% Design Submittal - Substations 7A, 8A, 9A, & 10A																																			
CD85480	100% Design Review/Permit Ready Submittal - Substations 7A, 8A, 9A, & 10A	15	30-Oct-18	13-Nov-18	100% Design Review/Permit Ready Submittal - Substations 7A, 8A, 9A, & 10A																																			
CD40840	Engineering Design - Substations 7A, 8A, 9A, & 10A	30	14-Nov-18	13-Dec-18	Engineering Design - Substations 7A, 8A, 9A, & 10A																																			
CD85480	100% Design Review/Permit Ready Submittal - Substations 7A, 8A, 9A, & 10A	180	09-Aug-17 A	28-Dec-18	100% Design Review/Permit Ready Submittal - Substations 7A, 8A, 9A, & 10A																																			
Permitting					28-Mar-19, Permitting																																			
CD40920	Permitting - Substations 7A, 8A, 9A, & 10A	90	29-Dec-18	28-Mar-19	Permitting - Substations 7A, 8A, 9A, & 10A																																			
Procurement					24-Sep-19, Procurement																																			
CD85590	Design Documents to Procurement - Substations 7A, 8A, 9A, & 10A	180	29-Mar-19	24-Sep-19	Design Documents to Procurement - Substations 7A, 8A, 9A, & 10A																																			
CD85600	Submit/Approve SBD Goals and Request to Advertise - Substations 7A, 8A, 9A, & 10A	0	29-Mar-19	27-Apr-19	Submit/Approve SBD Goals and Request to Advertise - Substations 7A, 8A, 9A, & 10A																																			
CD85610	Advertise Bid Package - Substations 7A, 8A, 9A, & 10A	30	29-Mar-19	27-Apr-19	Advertise Bid Package - Substations 7A, 8A, 9A, & 10A																																			
CD85620	Bid Solicitation Period - Substations 7A, 8A, 9A, & 10A	0	28-Apr-19	26-Jun-19	Bid Solicitation Period - Substations 7A, 8A, 9A, & 10A																																			
CD85630	Bids Due - Substations 7A, 8A, 9A, & 10A	60	28-Apr-19	26-Jun-19	Bids Due - Substations 7A, 8A, 9A, & 10A																																			
CD85640	Bid Review Period - Substations 7A, 8A, 9A, & 10A	0	27-Jun-19	26-Jul-19	Bid Review Period - Substations 7A, 8A, 9A, & 10A																																			
CD85650	Award Recommendation - Substations 7A, 8A, 9A, & 10A	30	27-Jun-19	26-Jul-19	Award Recommendation - Substations 7A, 8A, 9A, & 10A																																			
CD41000	Procurement - Substations 7A, 8A, 9A, & 10A	0	26-Jul-19	26-Jul-19	Procurement - Substations 7A, 8A, 9A, & 10A																																			
CD85660	Final Approvals (BCC, Mayor, Risk Mgmt.) - Substations 7A, 8A, 9A, & 10A	180	29-Mar-19	24-Sep-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - Substations 7A, 8A, 9A, & 10A																																			
CD85660	Final Approvals (BCC, Mayor, Risk Mgmt.) - Substations 7A, 8A, 9A, & 10A	60	27-Jul-19	24-Sep-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - Substations 7A, 8A, 9A, & 10A																																			

** EPA Interim Milestone date was missed.

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
Construction																																						
CD85670	Contractor Notice to Proceed (NTP) - Substations 7A, 8A, 9A, & 10A	490	25-Sep-19	26-Jan-21	26-Jan-21, Construction																																	
CD40720	Construction - Substations 7A, 8A, 9A, & 10A	400	25-Sep-19	28-Oct-20	Contractor Notice to Proceed (NTP) - Substations 7A, 8A, 9A, & 10A																																	
CD86200	Commissioning - Substations 7A, 8A, 9A, & 10A	30	29-Sep-20	28-Oct-20	Construction - Substations 7A, 8A, 9A, & 10A																																	
CD85580	Substantial Completion (CD Compliance Date 6/14/21) - Substations 7A, 8A, 9A, & 10A	0	28-Oct-20*		Commissioning - Substations 7A, 8A, 9A, & 10A																																	
CD40000	Project Closeout - Substations 7A, 8A, 9A, & 10A	90	29-Oct-20	26-Jan-21*	Substantial Completion (CD Compliance Date 6/14/21) - Substations 7A, 8A, 9A, & 10A																																	
Project Administration																																						
CD85090	WASD Project Administration - Substations 7A, 8A, 9A, & 10A	850	09-Aug-17 A	28-Oct-20	28-Oct-20, Project Administration																																	
2.02 Building Improvements																																						
Engineering Design																																						
CD82380	EPA Start Date for Engineering Design - CD Repairs to Various Buildings**	771	26-Mar-14 A	05-May-16 A	05-May-16 A, Engineering Design																																	
CD42460	EPA Compliance Date for Engineering Design - CD Repairs to Various Buildings**	0		18-Oct-14 A	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																																	
Permitting																																						
CD82390	EPA Start Date for Permitting - CD Repairs to Various Buildings	684	13-Oct-14 A	27-Aug-16 A	27-Aug-16 A, Permitting																																	
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																																	
Procurement																																						
CD82400	EPA Start Date for Procurement - CD Repairs to Various Buildings	973	03-Jun-14 A	31-Jan-17 A	31-Jan-17 A, Procurement																																	
CD10530	Procurement - CD Repairs to Various Buildings	933	03-Jun-14 A	21-Dec-16 A	EPA Start Date for Procurement - CD Repairs to Various Buildings																																	
CD80320	EPA Compliance Date for Procurement - CD Repairs to Various Buildings	0		31-Jan-17 A	Procurement - CD Repairs to Various Buildings																																	
Construction																																						
CD82410	EPA Start Date for Construction - CD Repairs to Various Buildings	1807	16-Oct-14 A	26-Sep-19	26-Sep-19, Construction																																	
CD10740	Construction - CD Repairs to Various Buildings	1162	16-Oct-14 A	20-Sep-19	EPA Start Date for Construction - CD Repairs to Various Buildings																																	
CD10910	Substantial Completion (CD Compliance Date 9/26/19) - CD Repairs to Various Buildings	0		20-Sep-19*	Construction - CD Repairs to Various Buildings																																	
CD80330	EPA Compliance Date for Construction - CD Repairs to Various Buildings	0		26-Sep-19*	Substantial Completion (CD Compliance Date 9/26/19) - CD Repairs to Various Buildings																																	
2.02 (1)a CD Building Improvements - Admin Asbestos Abatement																																						
Engineering Design																																						
CD11002	Engineering Design - CD Admin Asbestos Abatement	432	26-Mar-14 A	01-Jun-15 A	2.02 (1)a CD Building Improvements - Admin Asbestos Abatement																																	
Permitting																																						
CD11012	Permitting - CD Admin Asbestos Abatement	198	26-Mar-14 A	10-Oct-14 A	Engineering Design																																	
Procurement																																						
CD21720	Bid & Award Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	79	13-Oct-14 A	31-Dec-14 A	Permitting - CD Admin Asbestos Abatement																																	
CD84270	Procurement - CD Admin Asbestos Abatement	80	13-Oct-14 A	31-Dec-14 A	Procurement																																	
CD30000	Bid & Award Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	256	03-Jun-14 A	14-Feb-15 A	Phase 1) - CD Admin Asbestos Abatement																																	
Construction																																						
CD21170	Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	64	03-Jun-14 A	05-Aug-14 A	Admin Asbestos Abatement																																	
CD84280	Construction - CD Admin Asbestos Abatement	257	03-Jun-14 A	14-Feb-15 A	Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement																																	
CD30010	Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	62	15-Dec-14 A	14-Feb-15 A	Construction																																	
Project Administration																																						
CD85100	WASD Project Administration - CD Admin Asbestos Abatement	228	16-Oct-14 A	01-Jun-15 A	Phase 1) - CD Admin Asbestos Abatement																																	
2.02 (1)b CD Administration Building Interior Improvements																																						
Engineering Design																																						
CD11004	Engineering Design (Remodel) - CD Administration Interior Improvements	66	26-Jan-15 A	02-Apr-15 A	Engineering Design																																	
Permitting																																						
CD11014	Permitting (Remodel) - CD Administration Building Interior Improvements	67	26-Jan-15 A	02-Apr-15 A	Engineering Design (Remodel) - CD Administration Interior Improvements																																	
Procurement																																						
CD30860	Design Documents Sent to Procurement - CD Administration Building Interior Improvements	195	02-Apr-15 A	14-Oct-15 A	Permitting (Remodel) - CD Administration Building Interior Improvements																																	
CD30870	Submit/Approve SBD Goals and Request to Advertise - CD Administration Building Interior Improvements	196	02-Apr-15 A	14-Oct-15 A	23-Nov-16 A, Procurement																																	
CD30880	Advertise Bid Package - CD Administration Building Interior Improvements	387	02-Nov-15 A	23-Nov-16 A	Design Documents Sent to Procurement - CD Administration Building Interior Improvements																																	
CD30890	Bid Solicitation Period - CD Administration Building Interior Improvements	0	02-Nov-15 A		Submit/Approve SBD Goals and Request to Advertise - CD Administration Building Interior Improvements																																	
CD30900	Bids Due - CD Administration Building Interior Improvements	95	02-Nov-15 A	04-Feb-16 A	Advertise Bid Package - CD Administration Building Interior Improvements																																	
CD30910	Bid Review Period - CD Administration Building Interior Improvements	120	05-Mar-16 A	02-Jul-16 A	Bid Solicitation Period - CD Administration Building Interior Improvements																																	
CD80340	Rebid Solicitation Period - CD Administration Building Interior Improvements	0	03-Jul-16 A		Bids Due - CD Administration Building Interior Improvements																																	
CD80350	Rebids Due - CD Administration Building Interior Improvements	47	03-Jul-16 A	18-Aug-16 A	Bid Review Period - CD Administration Building Interior Improvements																																	
CD80360	Rebid Review Period - CD Administration Building Interior Improvements	34	19-Aug-16 A	21-Sep-16 A	Rebid Solicitation Period - CD Administration Building Interior Improvements																																	
CD30920	Award Recommendation - CD Administration Building Interior Improvements	0	22-Sep-16 A		Rebids Due - CD Administration Building Interior Improvements																																	
CD11022	Procurement - CD Administration Building Interior Improvements	27	22-Sep-16 A	18-Oct-16 A	Rebid Review Period - CD Administration Building Interior Improvements																																	
CD30930	Final Approvals - CD Administration Building Interior Improvements	0		18-Oct-16 A	Award Recommendation - CD Administration Building Interior Improvements																																	
Construction																																						
CD11031	Contractor Notice to Proceed (NTP) - CD Administration Building Interior Improvements	388	02-Nov-15 A	23-Nov-16 A	Procurement - CD Administration Building Interior Improvements																																	
CD11032	Construction (Remodel) - CD Administration Building Interior Improvements	36	19-Oct-16 A	23-Nov-16 A	Final Approvals - CD Administration Building Interior Improvements																																	
CD11042	Substantial Completion (CD Compliance Date 9/26/19) - CD Administration Building Interior Improvements	451	22-Dec-16 A	15-Jul-18	15-Jul-18, Construction																																	
CD40010	Project Closeout - CD Administration Building	0	22-Dec-16 A		Contractor Notice to Proceed (NTP) - CD Administration Building Interior Improvements																																	
Project Administration																																						
CD33940	WASD Project Administration - CD Administration Building	331	22-Dec-16 A	17-Jan-18 A	Construction (Remodel) - CD Administration Building Interior Improvements																																	
2.02 (1)c CD Misc. Roof Improvements																																						
Procurement																																						
CD30070	Procurement - CD Misc. Roof Repairs	627	31-Jan-15 A	19-Oct-16 A	Substantial Completion (CD Compliance Date 9/26/19) - CD Administration Building Interior Improvements																																	
Construction																																						
CD30070	Procurement - CD Misc. Roof Repairs	478	31-Jan-15 A	23-May-16 A	Project Closeout - CD Administration Building																																	
CD30070	Procurement - CD Misc. Roof Repairs	479	31-Jan-15 A	23-May-16 A	Project Administration																																	
CD30070	Procurement - CD Misc. Roof Repairs	557	11-Apr-15 A	19-Oct-16 A	WASD Project Administration - CD Administration Building																																	

** EPA Interim Milestone date was missed.

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
CD30020	Switchgear Building Roof Repairs - CD Misc. Roof Repairs	47	11-Apr-15 A	27-May-15 A	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																																	
Project Administration																																						
CD85110	WASD Project Administration - CD Misc. Roof Repairs	628	31-Jan-15 A	19-Oct-16 A	WASD Project Administration - CD Misc. Roof Repairs																																	
2.02 (2) Remodel Bathrooms, Locker Rooms & Showers																																						
Pre-Design																																						
CD11242	Pre-Design - CD Misc. Building Improvements	176	19-Dec-14 A	13-Jun-15 A	Pre-Design - CD Misc. Building Improvements																																	
Engineering Design																																						
CD32480	Engineering Design Phase I - CD Misc. Building Improvements	44	14-Jun-15 A	27-Jul-15 A	Engineering 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																																	
Permitting																																						
CD11112	Permitting - CD Misc. Building Improvements	49	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																																	
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																																	
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	RFP Draft Submittal - CD Misc. Building Improvements	28	16-Apr-18 A	15-May-18 A	RFP Draft Submittal - CD Misc. Building Improvements																																	
CD85880	RFP Review - CD Misc. Building Improvements	7	17-May-18 A	24-May-18 A	RFP Review - CD Misc. Building Improvements																																	
CD85890	RFP Final Submittal - CD Misc. Building Improvements	21	25-May-18 A	27-Jul-18	RFP Final Submittal - CD Misc. Building Improvements																																	
CD85910	Dry-Run Permit - CD Misc. Building Improvements	120	28-Jul-18	24-Nov-18	Dry-Run Permit - CD Misc. Building Improvements																																	
CD85930	Change Order Approved - CD Misc. Building Improvements	0	25-Nov-18		Change Order Approved - CD Misc. Building Improvements																																	
CD85920	Construction (Change Order) - CD Misc. Building Improvements	300	25-Nov-18	20-Sep-19	Construction (Change Order) - CD Misc. Building Improvements																																	
CD86210	Commissioning - CD Misc. Building Improvements	30	22-Aug-19	20-Sep-19	Commissioning - CD Misc. Building Improvements																																	
CD11142	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements	0		20-Sep-19*	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements																																	
CD40020	Project Closeout - CD Misc. Building Improvements	60	21-Sep-19	19-Nov-19*	Project Closeout - CD Misc. Building Improvements																																	
Project Administration																																						
CD33950	WASD Project Administration - CD Misc. Building Improvements	981	14-Jun-15 A	19-Nov-19	WASD Project Administration - CD Misc. Building Improvements																																	
2.03 Headworks/Grit Basin Plant 1																																						
Pre-Design																																						
CD20000	Pre-Design - CD Headworks/Grit Basin Plant 1	122	05-Jun-14 A	05-Oct-14 A	Pre-Design - CD Headworks/Grit Basin Plant 1																																	
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																																	
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																																	
Procurement																																						
CD32870	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1	659	21-Aug-15 A	09-Jun-17 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	70	21-Aug-15 A	29-Oct-15 A	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1																																	

** EPA Interim Milestone date was missed.

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		
CD30590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 2	7	02-Aug-16 A	08-Aug-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 2																							
CD10210	Procurement - CD Headworks/Grit Basin Plant 2	176	07-Mar-16 A	29-Aug-16 A	Procurement - CD Headworks/Grit Basin Plant 2																							
CD82230	P.O. Issued - CD Headworks/Grit Basin Plant 2	0		29-Aug-16 A	P.O. Issued - CD Headworks/Grit Basin Plant 2																							
CD31321	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 2	28	21-Oct-16 A	17-Nov-16 A	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 2																							
CD31351	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 2	88	18-Nov-16 A	13-Feb-17 A	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 2																							
CD31391	Vendor NTP (RTUs) - CD Headworks/Grit Basin Plant 2	0		13-Feb-17 A	Vendor NTP (RTUs) - CD Headworks/Grit Basin Plant 2																							
CD81870	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 2	0		02-Mar-17 A	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 2																							
CD30100	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 2	658	17-Jun-15 A	04-Apr-17 A	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 2																							
CD31441	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 2	432	29-Jan-16 A	04-Apr-17 A	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 2																							
CD32550	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 2	300	21-Oct-16 A	16-Aug-17 A	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 2																							
CD31401	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 2	184	14-Feb-17 A	16-Aug-17 A	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 2																							
Construction					23-Aug-19, Construction																							
CD40310	Installation of Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 2	156	08-Dec-15 A	11-May-16 A	Installation of Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 2																							
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	18-Feb-19	Construction - CD Headworks/Grit Basin Plant 2																							
CD40800	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2	560	30-Aug-16 A	18-Feb-19	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2																							
CD86230	Commissioning - CD Headworks/Grit Basin Plant 2	45	05-Jan-19	18-Feb-19	Commissioning - CD Headworks/Grit Basin Plant 2																							
CD10750	Substantial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2	0		18-Feb-19*	Substantial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2																							
CD40040	Project Closeout - CD Headworks/Grit Basin Plant 2	90	19-Feb-19	19-May-19*	Project Closeout - 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																							
Project Administration					19-May-19, Project Administration																							
CD33970	WASD Project Administration - CD Headworks/Grit Basin Plant 2	1295	24-Nov-14 A	19-May-19	WASD Project Administration - CD Headworks/Grit Basin Plant 2																							
2.05 Oxygenation Trains Plant 1					12-Apr-19, 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	2356	01-Mar-11 A	12-Aug-17 A	Engineering Design (Mixers) - CD Oxygenation Trains Plant 1																							
CD84540	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 1	63	01-Mar-11 A	02-May-11 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					02-Sep-15 A, Permitting																							
CD10240	Permitting - CD Oxygenation Trains Plant 1	1647	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	63	01-Mar-11 A	02-May-11 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	2434	03-May-11 A	13-Feb-18 A	Procurement (Mixers) - CD Oxygenation Trains Plant 1																							
CD81250	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 1	147	03-May-11 A	26-Sep-11 A	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 1																							
CD80490	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 1	88	17-Jan-17 A	14-Apr-17 A	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 1																							
CD10490	Procurement - CD Oxygenation Trains Plant 1	0		14-Dec-17 A	Procurement - CD Oxygenation Trains Plant 1																							
CD80290	Procurement (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1	2388	03-May-11 A	13-Feb-18 A	Procurement (Structural Rehab Train #3) - 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, Construction																							
CD12151	Installation of Mixers Trains #2 & 3 - CD Oxygenation Trains Plant 1	1958	02-Dec-13 A	12-Apr-19	Installation of Mixers Trains #2 & 3 - CD Oxygenation Trains Plant 1																							
CD10720	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1	81	02-Dec-13 A	20-Feb-14 A	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1																							
CD32560	Construction - CD Oxygenation Trains Plant 1	90	15-Jan-17 A	14-Apr-17 A	Construction - CD Oxygenation Trains Plant 1																							
CD10940	Structural Rehab Train #3 - CD Oxygenation Trains Plant 1	1549	02-Dec-13 A	22-Jun-18 A	Structural Rehab Train #3 - 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	105	13-Feb-18 A	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	20-Sep-18*	Project Closeout - CD Oxygenation Trains Plant 1																							
CD80500	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 1	0		12-Apr-19*	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	2356	01-Mar-11 A	12-Aug-17 A	Engineering Design - CD Oxygenation Trains Plant 2																							
CD82500	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 2	63	01-Mar-11 A	02-May-11 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	2378	01-Mar-11 A	02-Sep-17 A	Permitting - CD Oxygenation Trains Plant 2																							
CD82510	EPA Start Date for Permitting - CD Oxygenation Trains Plant 2	62	01-Mar-11 A	02-May-11 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					30-Nov-18, Procurement																							
CD81310	Procurement (Mixers) - CD Oxygenation Trains Plant 2	2756	02-May-11 A	30-Nov-18	Procurement (Mixers) - CD Oxygenation Trains Plant 2																							
CD82520	EPA Start Date for Procurement - CD Oxygenation Trains Plant 2	517	02-Sep-13 A	31-Jan-15 A	EPA Start Date for Procurement - CD Oxygenation Trains Plant 2																							
CD81320	Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	0	03-Sep-17 A		Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2																							
CD81320	Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	90	17-Aug-18*	14-Nov-18	Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2																							
CD80530	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 2	0		16-Nov-18*	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 2																							

** EPA Interim Milestone date was missed.

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
CD10900	Procurement - CD Oxygenation Trains Plant 2	2754	02-May-11 A	30-Nov-18	Procurement - CD Oxygenation Trains Plant 2																																	
CD81300	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	90	20-Oct-17 A	30-Nov-18	Procurement (Structural Rehab Train #2) - 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																																	
CD30060	Electrical Equip. / Expand Structure - CD Oxygenation Trains Plant 2	1034	02-Feb-15 A	01-Aug-18	Electrical Equip. / Expand Structure - CD Oxygenation Trains Plant 2																																	
CD82530	EPA Start Date for Construction - CD Oxygenation Trains Plant 2	0	16-Dec-18*		EPA Start Date for Construction - CD Oxygenation Trains Plant 2																																	
CD11190	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2	125	01-Dec-18*	04-Apr-19	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2																																	
CD32570	Construction - CD Oxygenation Trains Plant 2	1192	09-Nov-15 A	07-Jun-19	Construction - CD Oxygenation Trains Plant 2																																	
CD11380	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2	125	03-Feb-19	07-Jun-19	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2																																	
CD11450	Substantial Completion (CD Compliance Date 4/14/22) - CD Oxygenation Trains Plant 2	0		07-Jun-19*	Substantial Completion (CD Compliance Date 4/14/22) - CD Oxygenation Trains Plant 2																																	
CD81900	Project Closeout - CD Oxygenation Trains Plant 2	90	08-Jun-19	05-Sep-19*	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					07-Jun-19, Project Administration																																	
CD33990	WASD Project Administration - CD Oxygenation Trains Plant 2	2584	01-Mar-11 A	07-Jun-19	WASD Project Administration - CD Oxygenation Trains Plant 2																																	
2.07 Secondary Clarifiers Plant 1					05-Oct-21, Engineering Design																																	
Engineering Design					05-Oct-21, Engineering Design																																	
CD11350	Engineering Design - CD Secondary Clarifiers Plant 1	455	12-Apr-18 A	03-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	1128	04-Sep-19	05-Oct-22	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	2007	17-Jul-15 A	05-Oct-23	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					15-Aug-26, Construction																																	
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	2283	15-Jul-15 A	15-Aug-26	Construction - CD Secondary Clarifiers Plant 1																																	
CD85370	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	0		10-Oct-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					08-Jan-24, Project Administration																																	
CD34000	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986	02-Aug-18	08-Jan-24	WASD Project Administration - CD Secondary Clarifiers Plant 1																																	
2.07 (1) Secondary Clarifiers Plant 1					01-Aug-18, Pre-Design																																	
Pre-Design					01-Aug-18, Pre-Design																																	
CD11252	Pre-Design - CD Secondary Clarifiers Plant 1	181	10-May-17 A	01-Aug-18	Pre-Design - CD Secondary Clarifiers Plant 1																																	
Engineering Design					03-Sep-19, Engineering Design																																	
CD20700	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1	398	02-Aug-18	03-Sep-19	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1																																	
CD20710	BODR Review Period - CD Secondary Clarifiers Plant 1	181	10-May-17 A	01-Aug-18	BODR Review Period - CD Secondary Clarifiers Plant 1																																	
CD20720	30% Design Submittal - CD Secondary Clarifiers Plant 1	60	02-Aug-18	30-Sep-18	30% Design Submittal - CD Secondary Clarifiers Plant 1																																	
CD20730	30% Design Review - CD Secondary Clarifiers Plant 1	14	01-Oct-18	14-Oct-18	30% Design Review - CD Secondary Clarifiers Plant 1																																	
CD20740	60% Design Submittal - CD Secondary Clarifiers Plant 1	90	15-Oct-18	12-Jan-19	60% Design Submittal - CD Secondary Clarifiers Plant 1																																	
CD20750	60% Design Review - CD Secondary Clarifiers Plant 1	14	13-Jan-19	26-Jan-19	60% Design Review - CD Secondary Clarifiers Plant 1																																	
CD20760	100% Design Submittal - CD Secondary Clarifiers Plant 1	90	27-Jan-19	26-Apr-19	100% Design Submittal - CD Secondary Clarifiers Plant 1																																	
CD84310	Engineering Design - CD Secondary Clarifiers Plant 1	20	27-Apr-19	16-May-19	Engineering Design - CD Secondary Clarifiers Plant 1																																	
CD40340	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1	80	17-May-19	04-Aug-19	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1																																	
Permitting					01-Mar-20, Permitting																																	
CD84530	Permitting - CD Secondary Clarifiers Plant 1	398	02-Aug-18	03-Sep-19	Permitting - CD Secondary Clarifiers Plant 1																																	
Procurement					29-Nov-20, Procurement																																	
CD84000	Internal Bid Package Review - CD Secondary Clarifiers Plant 1	180	04-Sep-19	01-Mar-20	Internal Bid Package Review - CD Secondary Clarifiers Plant 1																																	
CD31200	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 1	273	02-Mar-20	29-Nov-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	3	02-Mar-20	04-Mar-20	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 1																																	
CD31220	Advertise Bid Package - CD Secondary Clarifiers Plant 1	60	05-Mar-20	03-May-20	Advertise Bid Package - CD Secondary Clarifiers Plant 1																																	
CD31230	Bid Solicitation Period - CD Secondary Clarifiers Plant 1	0	04-May-20	02-Jul-20	Bid Solicitation Period - CD Secondary Clarifiers Plant 1																																	
CD31240	Bids Due - CD Secondary Clarifiers Plant 1	60	04-May-20	02-Jul-20	Bids Due - CD Secondary Clarifiers Plant 1																																	
CD31250	Bid Review Period - CD Secondary Clarifiers Plant 1	0	03-Jul-20	01-Aug-20	Bid Review Period - CD Secondary Clarifiers Plant 1																																	
CD31260	Award Recommendation - CD Secondary Clarifiers Plant 1	30	03-Jul-20	01-Aug-20	Award Recommendation - CD Secondary Clarifiers Plant 1																																	
CD84320	Procurement - CD Secondary Clarifiers Plant 1	0	01-Aug-20	08-Jan-24	Procurement - CD Secondary Clarifiers Plant 1																																	
CD31270	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1	270	05-Mar-20	29-Nov-20	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1																																	
Construction					08-Jan-24, Construction																																	
CD11528	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1	120	02-Aug-20	29-Nov-20	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1																																	
CD84290	Construction Clarifiers - CD Secondary Clarifiers Plant 1	1135	30-Nov-20	08-Jan-24	Construction Clarifiers - CD Secondary Clarifiers Plant 1																																	
CD86240	Commissioning - CD Secondary Clarifiers Plant 1	0	30-Nov-20	10-Oct-23	Commissioning - CD Secondary Clarifiers Plant 1																																	
CD11690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	45	27-Aug-23	10-Oct-23	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1																																	
CD40050	Project Closeout - CD Secondary Clarifiers Plant 1	0		10-Oct-23*	Project Closeout - CD Secondary Clarifiers Plant 1																																	
Project Administration					08-Jan-24, Project Administration																																	
CD40050	Project Closeout - CD Secondary Clarifiers Plant 1	90	11-Oct-23	08-Jan-24*	Project Closeout - CD Secondary Clarifiers Plant 1																																	

** EPA Interim Milestone date was missed.

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
CD85120	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986	02-Aug-18	08-Jan-24	[Gantt bar from 02-Aug-18 to 08-Jan-24]																															
2.07 (2) Secondary Clarifiers Plant 1 Train Mechanisms					[Summary bar for 2.07 (2) Secondary Clarifiers Plant 1 Train Mechanisms]																															
Construction					[Summary bar for Construction phase]																															
CD85820	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	123	11-Jul-15 A	01-Sep-15 A	[Gantt bar from 11-Jul-15 A to 01-Sep-15 A]																															
CD83560	Construction Train 5 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	124	07-Dec-17 A	15-Feb-18 A	[Gantt bar from 07-Dec-17 A to 15-Feb-18 A]																															
CD85790	Construction Train 6 (WASD In-House) - CD Secondary Clarifiers Train Mechanisms	124	20-Feb-18 A	27-Apr-18 A	[Gantt bar from 20-Feb-18 A to 27-Apr-18 A]																															
CD83540	Construction Trains 3&4 - CD Secondary Clarifiers Train Mechanisms	179	02-Nov-18	29-Apr-19	[Gantt bar from 02-Nov-18 to 29-Apr-19]																															
CD84300	Construction Trains - CD Secondary Clarifiers Train Mechanisms	0	11-Jul-15 A	11-May-20	[Gantt bar from 11-Jul-15 A to 11-May-20]																															
CD83550	Construction Train 1 - CD Secondary Clarifiers Train Mechanisms	179	15-Nov-19*	11-May-20	[Gantt bar from 15-Nov-19* to 11-May-20]																															
CD83690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Train Mechanisms	0		11-May-20*	[Milestone diamond at 11-May-20*]																															
CD85690	Project Closeout - CD Secondary Clarifiers Train Mechanisms	90	12-May-20	09-Aug-20*	[Gantt bar from 12-May-20 to 09-Aug-20*]																															
Project Administration					[Summary bar for Project Administration phase]																															
CD85130	WASD Project Administration - CD Secondary Clarifiers Train Mechanisms	647	02-Nov-18	09-Aug-20	[Gantt bar from 02-Nov-18 to 09-Aug-20]																															
2.07 (3) Secondary Clarifiers Plant 1 Structural Rehab					[Summary bar for 2.07 (3) Secondary Clarifiers Plant 1 Structural Rehab]																															
Pre-Design					[Summary bar for Pre-Design phase]																															
CD83570	Pre-Design Trains 1-6 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	11-Apr-18 A	[Gantt bar from 14-Jul-17 A to 11-Apr-18 A]																															
Engineering Design					[Summary bar for Engineering Design phase]																															
CD84330	Engineering Design Trains 1-6 - CD Secondary Clarifiers Plant 1 Structural Rehab	120	12-Apr-18 A	03-Aug-18	[Gantt bar from 12-Apr-18 A to 03-Aug-18]																															
Procurement					[Summary bar for Procurement phase]																															
CD85350	Procurement Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	17-Jul-15 A	06-Oct-15 A	[Gantt bar from 17-Jul-15 A to 06-Oct-15 A]																															
CD85770	Procurement Train 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	26-Feb-18 A	10-Apr-18 A	[Gantt bar from 26-Feb-18 A to 10-Apr-18 A]																															
CD83630	Procurement Trains 3&4 - CD Secondary Clarifiers Structural Rehab	90	04-Aug-18*	01-Nov-18	[Gantt bar from 04-Aug-18* to 01-Nov-18]																															
CD84340	Procurement - CD Secondary Clarifiers Plant 1 Structural Rehab	444	17-Jul-15 A	14-Nov-19	[Gantt bar from 17-Jul-15 A to 14-Nov-19]																															
CD83650	Procurement Trains 1&5 - CD Secondary Clarifiers Structural Rehab	90	17-Aug-19*	14-Nov-19	[Gantt bar from 17-Aug-19* to 14-Nov-19]																															
Construction					[Summary bar for Construction phase]																															
CD85360	Construction Train 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	120	15-Jul-15 A	02-Oct-15 A	[Gantt bar from 15-Jul-15 A to 02-Oct-15 A]																															
CD85780	Construction Train 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	60	26-Feb-18 A	17-Apr-18 A	[Gantt bar from 26-Feb-18 A to 17-Apr-18 A]																															
CD83660	Construction Trains 3&4 - CD Secondary Clarifiers Structural Rehab	120	02-Nov-18	01-Mar-19	[Gantt bar from 02-Nov-18 to 01-Mar-19]																															
CD84350	Construction - CD Secondary Clarifiers Plant 1 Structural Rehab	444	15-Jul-15 A	13-Mar-20	[Gantt bar from 15-Jul-15 A to 13-Mar-20]																															
CD83680	Construction Trains 1&5 - CD Secondary Clarifiers Structural Rehab	120	15-Nov-19	13-Mar-20	[Gantt bar from 15-Nov-19 to 13-Mar-20]																															
CD83980	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Structural Rehab	0		13-Mar-20*	[Milestone diamond at 13-Mar-20*]																															
CD85700	Project Closeout - CD Secondary Clarifiers Structural Rehab	90	14-Mar-20	11-Jun-20*	[Gantt bar from 14-Mar-20 to 11-Jun-20*]																															
Project Administration					[Summary bar for Project Administration phase]																															
CD85140	WASD Project Administration - CD Secondary Clarifiers Structural Rehab	738	12-Apr-18 A	11-Jun-20	[Gantt bar from 12-Apr-18 A to 11-Jun-20]																															
2.08 Secondary Clarifiers Plant 2					[Summary bar for 2.08 Secondary Clarifiers Plant 2]																															
Engineering Design					[Summary bar for Engineering Design phase]																															
CD82580	EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 2	0	01-Jun-16 A		[Milestone diamond at 01-Jun-16 A]																															
CD10630	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A	[Gantt bar from 16-Mar-16 A to 01-Feb-17 A]																															
CD80650	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 2	0		31-Oct-21*	[Milestone diamond at 31-Oct-21*]																															
Permitting					[Summary bar for Permitting phase]																															
CD82590	EPA Start Date for Permitting - CD Secondary Clarifiers Plant 2	521	28-Jul-16 A	22-May-18 A	[Gantt bar from 28-Jul-16 A to 22-May-18 A]																															
CD80660	EPA Compliance Date for Permitting - CD Secondary Clarifiers Plant 2	0		05-Dec-17 A	[Milestone diamond at 05-Dec-17 A]																															
CD10790	Permitting - CD Secondary Clarifiers Plant 2	466	28-Jul-16 A	22-May-18 A	[Gantt bar from 28-Jul-16 A to 22-May-18 A]																															
Procurement					[Summary bar for Procurement phase]																															
CD82600	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 2	1440	27-Nov-17 A	14-Nov-21	[Gantt bar from 27-Nov-17 A to 14-Nov-21]																															
CD80670	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 2	0		05-Dec-18*	[Milestone diamond at 05-Dec-18*]																															
CD11000	Procurement - CD Secondary Clarifiers Plant 2	1440	27-Nov-17 A	14-Nov-21	[Gantt bar from 27-Nov-17 A to 14-Nov-21]																															
Construction					[Summary bar for Construction phase]																															
CD82610	EPA Start Date for Construction - CD Secondary Clarifiers Plant 2	2222	02-Nov-18	01-Dec-24	[Gantt bar from 02-Nov-18 to 01-Dec-24]																															
CD11117	Construction - CD Secondary Clarifiers Plant 2	1740	02-Nov-18	07-Aug-23	[Gantt bar from 02-Nov-18 to 07-Aug-23]																															
CD11570	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		07-Aug-23*	[Milestone diamond at 07-Aug-23*]																															
CD80850	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 2	0		01-Dec-24*	[Milestone diamond at 01-Dec-24*]																															
Project Administration					[Summary bar for Project Administration phase]																															
CD34010	WASD Project Administration - CD Secondary Clarifiers Plant 2	2705	16-Mar-16 A	06-Oct-23	[Gantt bar from 16-Mar-16 A to 06-Oct-23]																															
2.08 (1) Secondary Clarifiers Plant 2					[Summary bar for 2.08 (1) Secondary Clarifiers Plant 2]																															
Pre-Design					[Summary bar for Pre-Design phase]																															
CD11262	Pre-Design - CD Secondary Clarifiers Plant 2	244	15-Jul-15 A	15-Mar-16 A	[Gantt bar from 15-Jul-15 A to 15-Mar-16 A]																															
Engineering Design					[Summary bar for Engineering Design phase]																															
CD20830	Draft Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	94	16-Mar-16 A	17-Jun-16 A	[Gantt bar from 16-Mar-16 A to 17-Jun-16 A]																															
CD20770	BODR Review Period - CD Secondary Clarifiers Plant 2	7	18-Jun-16 A	24-Jun-16 A	[Gantt bar from 18-Jun-16 A to 24-Jun-16 A]																															
CD70960	Final Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	13	25-Jun-16 A	07-Jul-16 A	[Gantt bar from 25-Jun-16 A to 07-Jul-16 A]																															
CD20780	30% Design Submittal - CD Secondary Clarifiers Plant 2	50	08-Jul-16 A	26-Aug-16 A	[Gantt bar from 08-Jul-16 A to 26-Aug-16 A]																															
CD20790	30% Design Review - CD Secondary Clarifiers Plant 2	7	27-Aug-16 A	02-Sep-16 A	[Gantt bar from 27-Aug-16 A to 02-Sep-16 A]																															
CD20800	60% Design Submittal - CD Secondary Clarifiers Plant 2	42	03-Sep-16 A	14-Oct-16 A	[Gantt bar from 03-Sep-16 A to 14-Oct-16 A]																															
CD20810	60% Design Review - CD Secondary Clarifiers Plant 2	5	15-Oct-16 A	19-Oct-16 A	[Gantt bar from 15-Oct-16 A to 19-Oct-16 A]																															
CD20820	100% Design Submittal - CD Secondary Clarifiers Plant 2	64	20-Oct-16 A	22-Dec-16 A	[Gantt bar from 20-Oct-16 A to 22-Dec-16 A]																															
CD84360	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A	[Gantt bar from 16-Mar-16 A to 01-Feb-17 A]																															
CD40350	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 2	41	23-Dec-16 A	01-Feb-17 A	[Gantt bar from 23-Dec-16 A to 01-Feb-17 A]																															
Permitting					[Summary bar for Permitting phase]																															
CD80140	FDEP Permit - CD Secondary Clarifiers Plant 2	181	28-Jul-16 A	24-Jan-17 A	[Gantt bar from 28-Jul-16 A to 24-Jan-17 A]																															

** EPA Interim Milestone date was missed.

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
CD80150	RER Permit - CD Secondary Clarifiers Plant 2	97	03-Feb-17 A	10-May-17 A																					
CD84370	Permitting - CD Secondary Clarifiers Plant	466	28-Jul-16 A	22-May-18 A																					
CD80160	City of Miami Permit - CD Secondary Clarifiers Plant 2	180	10-May-17 A	22-May-18 A																					
Procurement																									
CD84130	GMOU submittal and approval - CD Secondary Clarifiers Plant 2	21	03-Feb-17 A	23-Feb-17 A																					
CD84010	Internal Bid Package Review - CD Secondary Clarifiers Plant 2	3	13-Nov-17 A	26-Nov-17 A																					
CD31280	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 2	0	27-Nov-17 A																						
CD31290	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 2	60	22-Jan-18 A	11-Apr-18 A																					
CD31300	Advertise Bid Package - CD Secondary Clarifiers Plant 2	0	12-Apr-18 A																						
CD31310	Bid Solicitation Period - CD Secondary Clarifiers Plant 2	45	12-Apr-18 A	04-Jun-18 A																					
CD31320	Bids Due - CD Secondary Clarifiers Plant 2	0	05-Jun-18 A																						
CD31330	Bid Review Period - CD Secondary Clarifiers Plant 2	60	05-Jun-18 A	03-Aug-18																					
CD31340	Award Recommendation - CD Secondary Clarifiers Plant 2	0		03-Aug-18																					
CD84380	Procurement - CD Secondary Clarifiers Plant 2	270	27-Nov-17 A	01-Nov-18																					
CD31350	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 2	90	04-Aug-18	01-Nov-18																					
Construction																									
CD11113	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 2	0	02-Nov-18																						
CD11120	Construction Clarifiers 1&2 - CD Secondary Clarifiers Plant 2	348	02-Nov-18	15-Oct-19																					
CD80120	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2	348	02-Nov-18	15-Oct-19																					
CD11230	Construction Clarifiers 3&4 - CD Secondary Clarifiers Plant 2	349	16-Oct-19	28-Sep-20																					
CD11300	Construction Clarifiers 5&6 - CD Secondary Clarifiers Plant 2	348	29-Sep-20	11-Sep-21																					
CD11420	Construction Clarifiers 7&8 - CD Secondary Clarifiers Plant 2	348	12-Sep-21	25-Aug-22																					
CD84390	Construction Clarifiers - CD Secondary Clarifiers Plant 2	1740	02-Nov-18	07-Aug-23																					
CD11510	Construction Clarifiers 9&10 - CD Secondary Clarifiers Plant 2	347	26-Aug-22	07-Aug-23																					
CD86250	Commissioning - CD Secondary Clarifiers Plant 2	60	09-Jun-23	07-Aug-23																					
CD83700	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		07-Aug-23*																					
CD40060	Project Closeout - CD Secondary Clarifiers Plant 2	60	08-Aug-23	06-Oct-23*																					
Project Administration																									
CD85150	WASD Project Administration - CD Secondary Clarifiers Plant 2	2615	16-Mar-16 A	07-Aug-23																					
2.08 (2) Secondary Clarifiers Plant 2 Train Mechanisms																									
Construction																									
CD83710	Construction Trains 2&9 - CD Secondary Clarifiers Train Mechanisms	180	14-Oct-18	11-Apr-19																					
CD83720	Construction Train 3 - CD Secondary Clarifiers Train Mechanisms	180	14-Oct-18	11-Apr-19																					
CD83730	Construction Trains 5&6 - CD Secondary Clarifiers Train Mechanisms	180	27-Sep-19	24-Mar-20																					
CD86100	Construction Train 4 - CD Secondary Clarifiers Train Mechanisms	180	27-Sep-19	24-Mar-20																					
CD83740	Construction Trains 7&8 - CD Secondary Clarifiers Train Mechanisms	180	14-Nov-20	12-May-21																					
CD84400	Construction Trains - CD Secondary Clarifiers Plant 2 Train Mechanisms	1308	14-Oct-18	13-May-22																					
CD83750	Construction Trains 9&10 - CD Secondary Clarifiers Train Mechanisms	180	15-Nov-21	13-May-22																					
CD83760	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Train Mechanisms	0		13-May-22*																					
CD85710	Project Closeout - CD Secondary Clarifiers Train Mechanisms	90	14-May-22	11-Aug-22*																					
Project Administration																									
CD85160	WASD Project Administration - CD Secondary Clarifiers Train Mechanisms	1398	14-Oct-18	11-Aug-22																					
2.08 (3) Secondary Clarifiers Plant 2 Structural Rehab																									
Pre-Design																									
CD83770	Pre-Design Trains 1-10 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	09-Feb-18 A																					
Engineering Design																									
CD85730	50% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	120	12-Feb-18 A	25-Apr-18 A																					
CD85740	50% Design Review - CD Secondary Clarifiers Plant 2 Structural Rehab	7	26-Apr-18 A	16-May-18 A																					
CD85750	100% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	21	16-May-18 A	16-May-18 A																					
CD84410	Engineering Design - CD Secondary Clarifiers Plant 2 Structural Rehab	120	12-Feb-18 A	15-Jul-18																					
CD85760	100% Design Review/Bid Ready Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	20	16-May-18 A	15-Jul-18																					
Procurement																									
CD83870	Procurement Trains 2,3 & 9 - CD Secondary Clarifiers Structural Rehab	90	16-Jul-18	13-Oct-18																					
CD83890	Procurement Trains 4-6 - CD Secondary Clarifiers Structural Rehab	90	29-Jun-19*	26-Sep-19																					
CD83900	Procurement Trains 7&8 - CD Secondary Clarifiers Structural Rehab	90	16-Aug-20*	13-Nov-20																					
CD84420	Procurement - CD Secondary Clarifiers Plant 2 Structural Rehab	1218	16-Jul-18	14-Nov-21																					
CD83910	Procurement Trains 1&10 - CD Secondary Clarifiers Structural Rehab	90	17-Aug-21*	14-Nov-21																					
Construction																									
CD83920	Construction Trains 2&9 - CD Secondary Clarifiers Structural Rehab	277	14-Oct-18	17-Jul-19																					
CD83930	Construction Train 3 - CD Secondary Clarifiers Structural Rehab	277	14-Oct-18	17-Jul-19																					
CD83940	Construction Trains 5&6 - CD Secondary Clarifiers Structural Rehab	278	27-Sep-19	30-Jun-20																					
CD86090	Construction Train 4 - CD Secondary Clarifiers Structural Rehab	278	27-Sep-19	30-Jun-20																					
CD83950	Construction Trains 7&8 - CD Secondary Clarifiers Structural Rehab	120	14-Nov-20	13-Mar-21																					
CD84430	Construction - CD Secondary Clarifiers Plant 2 Structural Rehab	1248	14-Oct-18	14-Mar-22																					
CD83960	Construction Trains 1&10 - CD Secondary Clarifiers Structural Rehab	120	15-Nov-21	14-Mar-22																					
CD83970	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Structural Rehab	0		14-Mar-22*																					
CD85720	Project Closeout - CD Secondary Clarifiers Structural Rehab	90	15-Mar-22	12-Jun-22*																					
Project Administration																									
CD85170	WASD Project Administration - CD Secondary Clarifiers Structural Rehab	1447	12-Feb-18 A	12-Jun-22																					

** EPA Interim Milestone date was missed.

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
2.09 Return Sludge PS Plant 1																								
Pre-Design																								
CD11272	Pre-Design - CD Return Sludge PS Plant 1	181	10-May-17 A	01-Aug-18	01-Aug-18, Pre-Design																			
Engineering Design																								
CD20840	Basis of Design Report (BODR) - CD Return Sludge PS Plant 1	60	02-Aug-18	30-Sep-18	05-Oct-21, Engineering Design																			
CD20850	30% Design Submittal - CD Return Sludge PS Plant 1	90	01-Oct-18	29-Dec-18																				
CD20860	30% Design Review - CD Return Sludge PS Plant 1	14	30-Dec-18	12-Jan-19																				
CD20870	60% Design Submittal - CD Return Sludge PS Plant 1	103	13-Jan-19	25-Apr-19																				
CD20880	60% Design Review - CD Return Sludge PS Plant 1	21	26-Apr-19	16-May-19																				
CD20890	100% Design Submittal - CD Return Sludge PS Plant 1	80	17-May-19	04-Aug-19																				
CD11340	Engineering Design - CD Return Sludge PS Plant 1	398	02-Aug-18	03-Sep-19																				
CD40360	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 1	30	05-Aug-19	03-Sep-19																				
CD82620	EPA Start Date for Engineering Design - CD Return Sludge PS Plant 1	0	01-Apr-21*																					
CD80740	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 1	0		05-Oct-21*																				
Permitting																								
CD11390	Permitting - CD Return Sludge PS Plant 1	180	04-Sep-19	01-Mar-20																				
CD82630	EPA Start Date for Permitting - CD Return Sludge PS Plant 1	0	06-Oct-21*																					
CD80750	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 1	0		05-Oct-22*																				
Procurement																								
CD84020	Internal Bid Package Review - CD Return Sludge PS Plant 1	3	02-Mar-20	04-Mar-20																				
CD31360	Design Documents Sent to Procurement - CD Return Sludge PS Plant 1	0	05-Mar-20																					
CD31370	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 1	60	05-Mar-20	03-May-20																				
CD31380	Advertise Bid Package - CD Return Sludge PS Plant 1	0	04-May-20																					
CD31390	Bid Solicitation Period - CD Return Sludge PS Plant 1	60	04-May-20	02-Jul-20																				
CD31400	Bids Due - CD Return Sludge PS Plant 1	0	03-Jul-20																					
CD31410	Bid Review Period - CD Return Sludge PS Plant 1	30	03-Jul-20	01-Aug-20																				
CD31420	Award Recommendation - CD Return Sludge PS Plant 1	0		01-Aug-20																				
CD11520	Procurement - CD Return Sludge PS Plant 1	270	05-Mar-20	29-Nov-20																				
CD31430	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 1	120	02-Aug-20	29-Nov-20																				
CD82640	EPA Start Date for Procurement - CD Return Sludge PS Plant 1	0	06-Oct-22*																					
CD80760	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 1	0		05-Oct-23*																				
Construction																								
CD11583	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 1	0	30-Nov-20																					
CD11590	Construction PS #1 - CD Return Sludge PS Plant 1	348	30-Nov-20	12-Nov-21																				
CD11630	Construction PS #2 - CD Return Sludge PS Plant 1	348	13-Nov-21	26-Oct-22																				
CD82650	EPA Start Date for Construction - CD Return Sludge PS Plant 1	0	06-Oct-23*																					
CD11588	Construction - CD Return Sludge PS Plant 1	1045	30-Nov-20	10-Oct-23																				
CD11660	Construction PS #3 - CD Return Sludge PS Plant 1	349	27-Oct-22	10-Oct-23																				
CD86260	Commissioning - CD Return Sludge PS Plant 1	30	11-Sep-23	10-Oct-23																				
CD11700	Substantial Completion (CD Compliance Date 8/15/26) - CD Return Sludge PS Plant 1	0		10-Oct-23*																				
CD40070	Project Closeout - CD Return Sludge PS Plant 1	90	11-Oct-23	08-Jan-24*																				
CD80800	EPA Compliance Date for Construction - CD Return Sludge PS Plant 1	0		15-Aug-26*																				
Project Administration																								
CD34020	WASD Project Administration - CD Return Sludge PS Plant 1	1986	02-Aug-18	08-Jan-24																				
2.10 Return Sludge PS Plant 2																								
Engineering Design																								
CD82660	EPA Start Date for Engineering Design - CD Return Sludge PS Plant 2	0	01-Jun-16 A		31-Mar-17 A, Engineering Design																			
CD10620	Engineering Design - CD Return Sludge PS Plant 2	328	11-Mar-16 A	01-Feb-17 A																				
CD80810	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 2	0		31-Mar-17 A																				
Permitting																								
CD82670	EPA Start Date for Permitting - CD Return Sludge PS Plant 2	0	06-Dec-16 A		22-May-18 A, Permitting																			
CD80820	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 2	0		05-Dec-17 A																				
CD10780	Permitting - CD Return Sludge PS Plant 2	593	22-Mar-16 A	22-May-18 A																				
Procurement																								
CD82680	EPA Start Date for Procurement - CD Return Sludge PS Plant 2	0	06-Dec-17 A		05-Dec-18, Procurement																			
CD10990	Procurement - CD Return Sludge PS Plant 2	844	14-Apr-16 A	01-Nov-18																				
CD80830	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 2	0		05-Dec-18*																				
Construction																								
CD82690	EPA Start Date for Construction - CD Return Sludge PS Plant 2	0	06-Dec-18*		EPA Start Date for Construction - CD Return Sludge PS Plant 2																			
CD11108	Construction - CD Return Sludge PS Plant 2	2578	22-Apr-16 A	07-Aug-23																				
CD85490	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0		07-Aug-23*																				
CD80860	EPA Compliance Date for Construction - CD Return Sludge PS Plant 2	0		01-Dec-24*																				
Project Administration																								
CD34030	WASD Project Administration - CD Return Sludge PS Plant 2	2705	16-Mar-16 A	06-Oct-23																				
2.10 (1) Return Sludge PS Plant 2 - RAS Pump																								
Pre-Design																								
CD11282	Pre-Design - CD Return Sludge PS Plant 2	245	15-Jul-15 A	15-Mar-16 A	15-Mar-16 A, Pre-Design																			
Engineering Design																								
CD20900	Draft Basis of Design Report (BODR) - CD Return Sludge PS Plant 2	94	16-Mar-16 A	17-Jun-16 A	01-Feb-17 A, Engineering Design																			
CD41060	BODR Review Period - CD Return Sludge PS Plant 2	7	18-Jun-16 A	24-Jun-16 A																				

** EPA Interim Milestone date was missed.

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
CD70970	Final Basis of Design Report (BODR) - CD Return Sludge PS Plant 2	13	25-Jun-16 A	07-Jul-16 A	Final Basis of Design Report (BODR) - CD Return Sludge PS Plant 2																							
CD20910	30% Design Submittal - CD Return Sludge PS Plant 2	50	08-Jul-16 A	26-Aug-16 A	30% Design Submittal - CD Return Sludge PS Plant 2																							
CD20920	30% Design Review - CD Return Sludge PS Plant 2	7	27-Aug-16 A	02-Sep-16 A	30% Design Review - CD Return Sludge PS Plant 2																							
CD20930	60% Design Submittal - CD Return Sludge PS Plant 2	42	03-Sep-16 A	14-Oct-16 A	60% Design Submittal - CD Return Sludge PS Plant 2																							
CD20940	60% Design Review - CD Return Sludge PS Plant 2	5	15-Oct-16 A	19-Oct-16 A	60% Design Review - CD Return Sludge PS Plant 2																							
CD20950	100% Design Submittal - CD Return Sludge PS Plant 2	64	20-Oct-16 A	22-Dec-16 A	100% Design Submittal - CD Return Sludge PS Plant 2																							
CD84440	Engineering Design - CD Return Sludge PS Plant 2 - RAS Pump	323	16-Mar-16 A	01-Feb-17 A	Engineering Design - CD Return Sludge PS Plant 2 - RAS Pump																							
CD40370	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 2	41	23-Dec-16 A	01-Feb-17 A	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 2																							
Permitting																												
CD80220	FDEP Permit (Remaining Scope) - CD Return Sludge PS Plant 2	191	18-Jul-16 A	24-Jan-17 A	FDEP Permit (Remaining Scope) - CD Return Sludge PS Plant 2																							
CD80210	RER Permit (Remaining Scope) - CD Return Sludge PS Plant 2	98	02-Feb-17 A	10-May-17 A	RER Permit (Remaining Scope) - CD Return Sludge PS Plant 2																							
CD84450	Permitting - CD Return Sludge PS Plant 2 - RAS Pump	476	18-Jul-16 A	22-May-18 A	Permitting - CD Return Sludge PS Plant 2 - RAS Pump																							
CD40710	City of Miami Permit (Remaining Scope) - CD Return Sludge PS Plant 2	180	10-May-17 A	22-May-18 A	City of Miami Permit (Remaining Scope) - CD Return Sludge PS Plant 2																							
Procurement																												
CD84150	GMOU submittal and approval - CD Return Sludge PS Plant 2	21	03-Feb-17 A	23-Feb-17 A	GMOU submittal and approval - CD Return Sludge PS Plant 2																							
CD84030	Internal Bid Package Review - CD Return Sludge PS Plant 2	3	13-Nov-17 A	26-Nov-17 A	Internal Bid Package Review - CD Return Sludge PS Plant 2																							
CD31440	Design Documents Sent to Procurement - CD Return Sludge PS Plant 2	0	27-Nov-17 A		Design Documents Sent to Procurement - CD Return Sludge PS Plant 2																							
CD31450	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 2	60	22-Jan-18 A	11-Apr-18 A	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 2																							
CD31460	Advertise Bid Package - CD Return Sludge PS Plant 2	0	12-Apr-18 A		Advertise Bid Package - CD Return Sludge PS Plant 2																							
CD31470	Bid Solicitation Period - CD Return Sludge PS Plant 2	5	12-Apr-18 A	04-Jun-18 A	Bid Solicitation Period - CD Return Sludge PS Plant 2																							
CD31480	Bids Due - CD Return Sludge PS Plant 2	0	05-Jun-18 A		Bids Due - CD Return Sludge PS Plant 2																							
CD31490	Bid Review Period - CD Return Sludge PS Plant 2	60	05-Jun-18 A	03-Aug-18	Bid Review Period - CD Return Sludge PS Plant 2																							
CD31500	Award Recommendation - CD Return Sludge PS Plant 2	0		03-Aug-18	Award Recommendation - CD Return Sludge PS Plant 2																							
CD84460	Procurement - CD Return Sludge PS Plant 2 - RAS Pump	270	27-Nov-17 A	01-Nov-18	Procurement - CD Return Sludge PS Plant 2 - RAS Pump																							
CD31510	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 2	90	04-Aug-18	01-Nov-18	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 2																							
Construction																												
CD11103	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 2	0	02-Nov-18		Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 2																							
CD11110	Construction PS #1 - CD Return Sludge PS Plant 2	348	02-Nov-18	15-Oct-19	Construction PS #1 - CD Return Sludge PS Plant 2																							
CD11220	Construction PS #2 - CD Return Sludge PS Plant 2	349	16-Oct-19	28-Sep-20	Construction PS #2 - CD Return Sludge PS Plant 2																							
CD11290	Construction PS #3 - CD Return Sludge PS Plant 2	348	29-Sep-20	11-Sep-21	Construction PS #3 - CD Return Sludge PS Plant 2																							
CD11410	Construction PS #4 - CD Return Sludge PS Plant 2	348	12-Sep-21	25-Aug-22	Construction PS #4 - CD Return Sludge PS Plant 2																							
CD84470	Construction - CD Return Sludge PS Plant 2 - RAS Pump	1740	02-Nov-18	07-Aug-23	Construction - CD Return Sludge PS Plant 2 - RAS Pump																							
CD11500	Construction PS #5 - CD Return Sludge PS Plant 2	347	26-Aug-22	07-Aug-23	Construction PS #5 - CD Return Sludge PS Plant 2																							
CD86270	Commissioning - CD Return Sludge PS Plant 2	30	09-Jul-23	07-Aug-23*	Commissioning - CD Return Sludge PS Plant 2																							
CD11580	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0		07-Aug-23*	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2																							
CD40080	Project Closeout - CD Return Sludge PS Plant 2	60	08-Aug-23	06-Oct-23*	Project Closeout - CD Return Sludge PS Plant 2																							
Project Administration																												
CD85180	WASD Project Administration - CD Return Sludge PS Plant 2	2705	16-Mar-16 A	06-Oct-23	WASD Project Administration - CD Return Sludge PS Plant 2																							
2.10 (2) Return Sludge PS Plant 2 - RAS Line																												
Engineering Design																												
CD40660	RAS Header pipe Design Validation - CD Return Sludge PS Plant 2	15	13-Jan-16 A	27-Jan-16 A	RAS Header pipe Design Validation - CD Return Sludge PS Plant 2																							
CD84480	Engineering Design - Return Sludge PS Plant 2 - RAS Line	92	13-Jan-16 A	13-Apr-16 A	Engineering Design - Return Sludge PS Plant 2 - RAS Line																							
CD40670	RAS Header pipe 100% Design Submission - CD Return Sludge PS Plant 2	77	28-Jan-16 A	13-Apr-16 A	RAS Header pipe 100% Design Submission - CD Return Sludge PS Plant 2																							
Permitting																												
CD81330	FDEP Permit (RAS Header Pipe) - CD Return Sludge PS Plant 2	0	22-Mar-16 A	22-Mar-16 A	FDEP Permit (RAS Header Pipe) - CD Return Sludge PS Plant 2																							
Procurement																												
CD40690	Emergency Procurement of RAS Header Pipe - CD Return Sludge PS Plant 2	7	14-Apr-16 A	20-Apr-16 A	Emergency Procurement of RAS Header Pipe - CD Return Sludge PS Plant 2																							
Construction																												
CD40700	Construction RAS Header Pipe - CD Return Sludge PS Plant 2	442	22-Apr-16 A	07-Jul-17 A	Construction RAS Header Pipe - CD Return Sludge PS Plant 2																							
Project Administration																												
CD85190	WASD Project Administration - CD Return Sludge PS Plant 2	442	22-Apr-16 A	07-Jul-17 A	WASD Project Administration - CD Return Sludge PS Plant 2																							
2.11 Effluent Pump Station																												
Pre-Design																												
CD11292	Pre-Design - CD Effluent Pump Station	222	19-Feb-16 A	28-Sep-16 A	Pre-Design - CD Effluent Pump Station																							
Engineering Design																												
CD82270	Draft Technical Memo Submittal - CD Effluent Pump Station	20	24-Aug-16 A	12-Sep-16 A	Draft Technical Memo Submittal - CD Effluent Pump Station																							
CD82280	Final Technical Memo Submittal - CD Effluent Pump Station	21	13-Sep-16 A	03-Oct-16 A	Final Technical Memo Submittal - CD Effluent Pump Station																							
CD20560	Draft Basis of Design Report (BODR) - CD Effluent Pump Station	35	13-Sep-16 A	17-Oct-16 A	Draft Basis of Design Report (BODR) - CD Effluent Pump Station																							
CD20570	BODR Review Period - CD Effluent Pump Station	9	18-Oct-16 A	26-Oct-16 A	BODR Review Period - CD Effluent Pump Station																							
CD82290	Final Basis of Design Report (BODR) - CD Effluent Pump Station	14	27-Oct-16 A	09-Nov-16 A	Final Basis of Design Report (BODR) - CD Effluent Pump Station																							
CD80870	EPA Start Date for Engineering Design - CD Effluent Pump Station	0	01-Jan-17 A		EPA Start Date for Engineering Design - CD Effluent Pump Station																							
CD20580	30% Design Submittal - CD Effluent Pump Station	69	10-Nov-16 A	17-Jan-17 A	30% Design Submittal - CD Effluent Pump Station																							
CD20590	30% Design Review - CD Effluent Pump Station	24	18-Jan-17 A	10-Feb-17 A	30% Design Review - CD Effluent Pump Station																							
CD20600	60% Design Submittal - CD Effluent Pump Station	31	11-Feb-17 A	13-Mar-17 A	60% Design Submittal - CD Effluent Pump Station																							
CD20610	60% Design Review - CD Effluent Pump Station	16	14-Mar-17 A	29-Mar-17 A	60% Design Review - CD Effluent Pump Station																							
CD20620	100% Design Submittal - CD Effluent Pump Station	69	30-Mar-17 A	06-Jun-17 A	100% Design Submittal - CD Effluent Pump Station																							
CD10080	Engineering Design - CD Effluent Pump Station	297	24-Aug-16 A	16-Jun-17 A	Engineering Design - CD Effluent Pump Station																							
CD40380	100% Design Review/Permit Ready Submittal - CD Effluent Pump Station	10	07-Jun-17 A	16-Jun-17 A	100% Design Review/Permit Ready Submittal - CD Effluent Pump Station																							
CD82700	EPA Compliance Date for Engineering Design - CD Effluent Pump Station	0		18-Aug-17 A	EPA Compliance Date for Engineering Design - CD Effluent Pump Station																							
Permitting																												
		373	22-Jun-17 A	20-Jun-18 A	EPA Compliance Date for Engineering Design - CD Effluent Pump Station																							

** EPA Interim Milestone date was missed.

Activity ID	Activity Name	Original Duration	Start	Finish	Timeline (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				
CD84070	Internal Bid Package Review - CD Digesters Plant 2 Cluster 2	11	14-Jul-17 A	24-Jul-17 A	Internal Bid Package Review - CD Digesters Plant 2 Cluster 2																																							
CD31840	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 2	0	25-Jul-17 A		Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 2																																							
CD31850	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 2	175	25-Jul-17 A	04-Jan-18 A	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 2																																							
CD31860	Advertise Bid Package - CD Digesters Plant 2 Cluster 2	0	05-Jan-18 A		Advertise Bid Package - CD Digesters Plant 2 Cluster 2																																							
CD31870	Bid Solicitation Period - CD Digesters Plant 2 Cluster 2	60	05-Jan-18 A	22-Feb-18 A	Bid Solicitation Period - CD Digesters Plant 2 Cluster 2																																							
CD31880	Bids Due - CD Digesters Plant 2 Cluster 2	0	23-Feb-18 A		Bids Due - CD Digesters Plant 2 Cluster 2																																							
CD31890	Bid Review Period - CD Digesters Plant 2 Cluster 2	41	23-Feb-18 A	18-May-18 A	Bid Review Period - CD Digesters Plant 2 Cluster 2																																							
CD31900	Award Recommendation - CD Digesters Plant 2 Cluster 2	0		18-May-18 A	Award Recommendation - CD Digesters Plant 2 Cluster 2																																							
CD10760	Procurement - CD Digesters Plant 2 Cluster 2	385	25-Jul-17 A	09-Jul-18	Procurement - CD Digesters Plant 2 Cluster 2																																							
CD31910	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2	89	19-May-18 A	09-Jul-18	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2																																							
CD82960	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2	0	08-Dec-19*		EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2																																							
CD81130	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2	0		06-Dec-20*	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2																																							
Construction					18-Jun-23, Construction																																							
CD10978	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2	0	10-Jul-18		Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2																																							
CD10980	Construction - CD Digesters Plant 2 Cluster 2	450	10-Jul-18	02-Oct-19	Construction - CD Digesters Plant 2 Cluster 2																																							
CD86320	Commissioning - CD Digesters Plant 2 Cluster 2	14	19-Sep-19	02-Oct-19	Commissioning - CD Digesters Plant 2 Cluster 2																																							
CD11170	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 2	0		02-Oct-19*	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 2																																							
CD40150	Project Closeout - CD Digesters Plant 2 Cluster 2	90	03-Oct-19	31-Dec-19*	Project Closeout - CD Digesters Plant 2 Cluster 2																																							
CD82970	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2	0	07-Dec-20*		EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2																																							
CD81140	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 2	0		18-Jun-23*	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 2																																							
Project Administration					31-Dec-19, Project Administration																																							
CD34100	WASD Project Administration - CD Digesters Plant 2 Cluster 2	1837	05-May-15 A	31-Dec-19	WASD Project Administration - CD Digesters Plant 2 Cluster 2																																							
2.15.3 Cluster 3					18-Jun-23, 2.15.3, Cluster 3																																							
Pre-Design					09-Aug-17 A, Pre-Design																																							
CD12191	Pre-Design - CD Digesters Plant 2 Cluster 3	483	13-Apr-16 A	09-Aug-17 A	Pre-Design - CD Digesters Plant 2 Cluster 3																																							
Engineering Design					07-Dec-18, Engineering Design																																							
CD84250	Field Investigations - CD Digesters Plant 2 Cluster 3	484	09-Aug-17 A	08-Sep-17 A	Field Investigations - CD Digesters Plant 2 Cluster 3																																							
CD82980	EPA Start Date for Design - CD Digesters Plant 2 Cluster 3	31	09-Aug-17 A		EPA Start Date for Design - CD Digesters Plant 2 Cluster 3																																							
CD84260	100% Design Submittal - CD Digesters Plant 2 Cluster 3	0	10-Jan-18 A		100% Design Submittal - CD Digesters Plant 2 Cluster 3																																							
CD10300	Engineering Design - CD Digesters Plant 2 Cluster 3	47	11-Sep-17 A	25-Jan-18 A	Engineering Design - CD Digesters Plant 2 Cluster 3																																							
CD40460	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	203	09-Aug-17 A	14-Mar-18 A	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3																																							
CD40660	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	22	26-Jan-18 A	14-Mar-18 A	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3																																							
CD81150	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3	0		07-Dec-18*	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3																																							
Permitting					07-Dec-19, Permitting																																							
CD85800	DERM Permit - CD Digesters Plant 2 Cluster 3	574	14-Mar-18 A	07-Dec-19	DERM Permit - CD Digesters Plant 2 Cluster 3																																							
CD10400	Permitting - CD Digesters Plant 2 Cluster 3	180	14-Mar-18 A	13-Apr-18 A	Permitting - CD Digesters Plant 2 Cluster 3																																							
CD85810	City of Miami Building Permit - CD Digesters Plant 2 Cluster 3	0	14-Mar-18 A	26-Aug-18	City of Miami Building Permit - CD Digesters Plant 2 Cluster 3																																							
CD82990	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3	90	14-Apr-18 A	26-Aug-18	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3																																							
CD81670	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3	0	08-Dec-18*		EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3																																							
Procurement					06-Dec-20, Procurement																																							
CD84080	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	833	27-Aug-18	06-Dec-20	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3																																							
CD31920	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3	3	27-Aug-18	29-Aug-18	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3																																							
CD31930	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3	60	30-Aug-18	28-Oct-18	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3																																							
CD31940	Advertise Bid Package - CD Digesters Plant 2 Cluster 3	0	29-Oct-18		Advertise Bid Package - CD Digesters Plant 2 Cluster 3																																							
CD31950	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3	60	29-Oct-18	27-Dec-18	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3																																							
CD31960	Bids Due - CD Digesters Plant 2 Cluster 3	0	28-Dec-18		Bids Due - CD Digesters Plant 2 Cluster 3																																							
CD31970	Bid Review Period - CD Digesters Plant 2 Cluster 3	30	28-Dec-18	26-Jan-19	Bid Review Period - CD Digesters Plant 2 Cluster 3																																							
CD31980	Award Recommendation - CD Digesters Plant 2 Cluster 3	0		26-Jan-19	Award Recommendation - CD Digesters Plant 2 Cluster 3																																							
CD10640	Procurement - CD Digesters Plant 2 Cluster 3	270	30-Aug-18	26-May-19	Procurement - CD Digesters Plant 2 Cluster 3																																							
CD31990	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3	120	27-Jan-19	26-May-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3																																							
CD83000	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3	0	08-Dec-19*		EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3																																							
CD81170	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 3	0		06-Dec-20*	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 3																																							
Construction					18-Jun-23, Construction																																							
CD10878	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3	1325	02-Nov-19		Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3																																							
CD83010	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3	0	07-Dec-20*		EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3																																							
CD10880	Construction - CD Digesters Plant 2 Cluster 3	450	02-Nov-19	24-Jan-21	Construction - CD Digesters Plant 2 Cluster 3																																							
CD86330	Commissioning - CD Digesters Plant 2 Cluster 3	30	26-Dec-20	24-Jan-21	Commissioning - CD Digesters Plant 2 Cluster 3																																							
CD11140	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 3	0		24-Jan-21*	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 3																																							
CD40160	Project Closeout - CD Digesters Plant 2 Cluster 3	90	25-Jan-21	24-Apr-21*	Project Closeout - CD Digesters Plant 2 Cluster 3																																							
CD81180	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 3	0		18-Jun-23*	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 3																																							
Project Administration					24-Apr-21, Project Administration																																							
CD34110	WASD Project Administration - CD Digesters Plant 2 Cluster 3	1245	09-Aug-17 A	24-Apr-21	WASD Project Administration - CD Digesters Plant 2 Cluster 3																																							
2.15.4 Cluster 4					18-Jun-23, 2.15.4, Cluster 4																																							
Pre-Design					19-Dec-14 A, Pre-Design																																							
CD12201	Pre-Design - CD Digesters Plant 2 Cluster 4	136	19-Dec-14 A	04-May-15 A	Pre-Design - CD Digesters Plant 2 Cluster 4																																							
Engineering Design					25-Oct-19, Engineering Design																																							
CD83020	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 4	1682	19-Mar-15 A	25-Oct-19	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 4																																							
CD20340	Basis of Design Report (BODR) - CD Digesters Plant 2 Cluster 4	100	05-May-15 A	12-Aug-15 A	Basis of Design Report (BODR) - CD Digesters Plant 2 Cluster 4																																							
CD20350	BODR Review Period - CD Digesters Plant 2 Cluster 4	14	13-Aug-15 A	26-Aug-15 A	BODR Review Period - CD Digesters Plant 2 Cluster 4																																							
CD20380	60% Design Submittal - CD Digesters Plant 2 Cluster 4	57	19-Oct-15 A	14-Dec-15 A	60% Design Submittal - CD Digesters Plant 2 Cluster 4																																							
CD20390	60% Design Review - CD Digesters Plant 2 Cluster 4	8	15-Dec-15 A	22-Dec-15 A	60% Design Review - CD Digesters Plant 2 Cluster 4																																							

** EPA Interim Milestone date was missed.

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
CD81190	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 4**	0		11-Mar-16 A	◆ EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 4**																			
CD20400	100% Design Submittal - CD Digesters Plant 2 Cluster 4	240	26-Oct-18*	22-Jun-19	100% Design Submittal - CD Digesters Plant 2 Cluster 4																			
CD11060	Engineering Design - CD Digesters Plant 2 Cluster 4	1636	04-May-15 A	25-Oct-19	Engineering Design - CD Digesters Plant 2 Cluster 4																			
CD40470	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 4	125	23-Jun-19	25-Oct-19	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 4																			
Permitting					31-Aug-20, Permitting																			
CD83050	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 4**	0	12-Mar-16 A		◆ EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 4**																			
CD11130	Permitting - CD Digesters Plant 2 Cluster 4	270	26-Oct-19	21-Jul-20	Permitting - CD Digesters Plant 2 Cluster 4																			
CD81200	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 4	0		31-Aug-20*	◆ EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 4																			
Procurement					31-Aug-21, Procurement																			
CD84090	Internal Bid Package Review - CD Digesters Plant 2 Cluster 4	3	22-Jul-20	24-Jul-20	Internal Bid Package Review - CD Digesters Plant 2 Cluster 4																			
CD32000	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 4	0	25-Jul-20		◆ Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 4																			
CD83040	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 4	0	01-Sep-20*		◆ EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 4																			
CD32010	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 4	60	25-Jul-20	22-Sep-20	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 4																			
CD32020	Advertise Bid Package - CD Digesters Plant 2 Cluster 4	0	23-Sep-20		◆ Advertise Bid Package - CD Digesters Plant 2 Cluster 4																			
CD32030	Bid Solicitation Period - CD Digesters Plant 2 Cluster 4	60	23-Sep-20	21-Nov-20	Bid Solicitation Period - CD Digesters Plant 2 Cluster 4																			
CD32040	Bids Due - CD Digesters Plant 2 Cluster 4	0	22-Nov-20		◆ Bids Due - CD Digesters Plant 2 Cluster 4																			
CD32050	Bid Review Period - CD Digesters Plant 2 Cluster 4	30	22-Nov-20	21-Dec-20	Bid Review Period - CD Digesters Plant 2 Cluster 4																			
CD32060	Award Recommendation - CD Digesters Plant 2 Cluster 4	0		21-Dec-20	◆ Award Recommendation - CD Digesters Plant 2 Cluster 4																			
CD11250	Procurement - CD Digesters Plant 2 Cluster 4	270	25-Jul-20	20-Apr-21	Procurement - CD Digesters Plant 2 Cluster 4																			
CD32070	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 4	120	22-Dec-20	20-Apr-21	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 4																			
CD81210	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 4	0		31-Aug-21*	◆ EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 4																			
Construction					18-Jun-23, Construction																			
CD11328	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 4	0	21-Apr-21		◆ Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 4																			
CD83030	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 4	0	01-Sep-21*		◆ EPA Start Date for Construction - CD Digesters Plant 2 Cluster 4																			
CD11330	Construction - CD Digesters Plant 2 Cluster 4	365	21-Apr-21	20-Apr-22	Construction - CD Digesters Plant 2 Cluster 4																			
CD11490	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 4	0		20-Apr-22*	◆ Substantial Completion (CD Compliance Date 6/18/23)																			
CD40170	Project Closeout - CD Digesters Plant 2 Cluster 4	90	21-Apr-22	19-Jul-22*	Project Closeout - CD Digesters Plant 2 Cluster 4																			
CD81380	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 4	0		18-Jun-23*	◆ EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 4																			
Project Administration					19-Jul-22, Project Administration																			
CD34120	WASD Project Administration - CD Digesters Plant 2 Cluster 4	2692	05-May-15 A	19-Jul-22	WASD Project Administration - CD Digesters Plant 2 Cluster 4																			
2.16 Dewatering Building					19-Jan-24																			
Pre-Design					Design																			
CD12211	Pre-Design - CD Dewatering Building	86	02-Feb-15 A	29-Apr-15 A	Pre-Design - CD Dewatering Building																			
Engineering Design					01-Aug-17 A, Engineering Design																			
CD21180	Basis of Design Report (BODR) - CD Dewatering Building	237	30-Apr-15 A	22-Dec-15 A	Basis of Design Report (BODR) - CD Dewatering Building																			
CD21190	BODR Review Period - CD Dewatering Building	36	23-Dec-15 A	27-Jan-16 A	BODR Review Period - CD Dewatering Building																			
CD10170	Engineering Design - CD Dewatering Building	335	30-Apr-15 A	29-Mar-16 A	Engineering Design - CD Dewatering Building																			
CD41110	Issue Final RDBS - CD Dewatering Building	0		29-Mar-16 A	◆ Issue Final RDBS - CD Dewatering Building																			
CD32720	Design Criteria Package Initial Submittal - CD Dewatering Building	90	28-Jan-16 A	26-Apr-16 A	Design Criteria Package Initial Submittal - CD Dewatering Building																			
CD32740	DCP Design Review - CD Dewatering Building	23	27-Apr-16 A	19-May-16 A	DCP Design Review - CD Dewatering Building																			
CD83060	EPA Start Date for Engineering Design - CD Dewatering Building	0	01-Jun-16 A		◆ EPA Start Date for Engineering Design - CD Dewatering Building																			
CD33660	Pilot Testing of Thickening Process - CD Dewatering Building	298	04-Jan-16 A	27-Oct-16 A	Pilot Testing of Thickening Process - CD Dewatering Building																			
CD32760	Final DCP Submittal - CD Dewatering Building	188	20-May-16 A	23-Nov-16 A	Final DCP Submittal - CD Dewatering Building																			
CD81390	EPA Compliance Date for Engineering Design - CD Dewatering Building	0		01-Aug-17 A	◆ EPA Compliance Date for Engineering Design - CD Dewatering Building																			
Permitting					02-Jun-16 A, Permitting																			
CD32780	FDEP Permit - CD Dewatering Building	126	29-Jan-16 A	02-Jun-16 A	FDEP Permit - CD Dewatering Building																			
Procurement					17-Feb-21, Procurement																			
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	TA Re-Negotiation and Approval - CD Dewatering Building																			
CD83080	EPA Start Date for Procurement - CD Dewatering Building	0	02-Aug-18*		◆ EPA Start Date for Procurement - CD Dewatering Building																			
CD81410	EPA Compliance Date for Procurement - CD Dewatering Building	0		01-Aug-19*	◆ EPA Compliance Date for Procurement - CD Dewatering Building																			
CD10440	Procurement - CD Dewatering Building	679	29-Mar-16 A	17-Feb-21	Procurement - CD Dewatering Building																			
CD85970	Repackage and Rebid Project - CD Dewatering Building	940	24-Jul-18	17-Feb-21	Repackage and Rebid Project - CD Dewatering Building																			
Design-Build					19-Jan-24																			
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	18-Feb-21		◆ Design-Builder NTP - CD Dewatering Building																			

** EPA Interim Milestone date was missed.

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
CD12101	Engineering Design - CD Co-Gen Biogas Treatment Facilities	457	04-Jun-15 A	02-Sep-16 A	[Gantt bar for Engineering Design - CD Co-Gen Biogas Treatment Facilities]																				
CD40490	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities	17	17-Aug-16 A	02-Sep-16 A	[Gantt bar for 100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities]																				
Permitting					408																				
CD80250	FDEP Permit - CD Co-Gen Biogas Treatment Facilities	44	10-May-16 A	22-Jun-17 A	[Gantt bar for FDEP Permit - CD Co-Gen Biogas Treatment Facilities]																				
CD71060	DERM Permit - CD Co-Gen Biogas Treatment Facilities	10	06-Sep-16 A	15-Sep-16 A	[Gantt bar for DERM Permit - CD Co-Gen Biogas Treatment Facilities]																				
CD83520	ERP Permit - CD Co-Gen Biogas Treatment Facilities	68	08-Sep-16 A	14-Nov-16 A	[Gantt bar for ERP Permit - CD Co-Gen Biogas Treatment Facilities]																				
CD83510	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities	56	18-Oct-16 A	12-Dec-16 A	[Gantt bar for DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities]																				
CD12111	Permitting - CD Co-Gen Biogas Treatment Facilities	409	10-May-16 A	22-Jun-17 A	[Gantt bar for Permitting - CD Co-Gen Biogas Treatment Facilities]																				
CD82320	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities	270	26-Sep-16 A	22-Jun-17 A	[Gantt bar for City of Miami Permit - CD Co-Gen Biogas Treatment Facilities]																				
Procurement					293																				
CD30690	Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities	0	16-Sep-16 A	06-Jul-17 A	[Gantt bar for Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities]																				
CD30700	Submit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities	62	16-Sep-16 A	16-Nov-16 A	[Gantt bar for Submit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities]																				
CD30710	Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities	0	17-Nov-16 A	15-Feb-17 A	[Gantt bar for Advertise Bid Package - CD Co-Gen Biogas Treatment Facilities]																				
CD30720	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities	91	17-Nov-16 A	15-Feb-17 A	[Gantt bar for Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities]																				
CD30730	Bids Due - CD Co-Gen Biogas Treatment Facilities	0	16-Feb-17 A	06-Mar-17 A	[Gantt bar for Bids Due - CD Co-Gen Biogas Treatment Facilities]																				
CD30740	Bid Review Period - CD Co-Gen Biogas Treatment Facilities	19	16-Feb-17 A	06-Mar-17 A	[Gantt bar for Bid Review Period - CD Co-Gen Biogas Treatment Facilities]																				
CD30750	Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0	06-Mar-17 A	29-Jun-17 A	[Gantt bar for Award Recommendation - CD Co-Gen Biogas Treatment Facilities]																				
CD84830	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0	29-Jun-17 A	06-Jul-17 A	[Gantt bar for Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities]																				
CD12121	Procurement - CD Co-Gen Biogas Treatment Facilities	294	16-Sep-16 A	06-Jul-17 A	[Gantt bar for Procurement - CD Co-Gen Biogas Treatment Facilities]																				
CD30760	Final Approvals - CD Co-Gen Biogas Treatment Facilities	122	07-Mar-17 A	06-Jul-17 A	[Gantt bar for Final Approvals - CD Co-Gen Biogas Treatment Facilities]																				
Construction					762																				
CD12130	Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities	0	20-Jul-17 A	20-Aug-19	[Gantt bar for 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	10-Jan-19	22-May-19	[Gantt bar for 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	22-May-19	[Gantt bar for Construction - CD Co-Gen Biogas Treatment Facilities]																				
CD86360	Commissioning - CD Co-Gen Biogas Treatment Facilities	60	24-Mar-19	22-May-19	[Gantt bar for 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	22-May-19*	22-May-19*	[Gantt bar for 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	23-May-19	20-Aug-19*	[Gantt bar for Project Closeout - CD Co-Gen Biogas Treatment Facilities]																				
Project Administration					1527																				
CD34170	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities	1527	04-Jun-15 A	20-Aug-19	[Gantt bar for WASD Project Administration - CD Co-Gen Biogas Treatment Facilities]																				
2.19 (2)b Co-Gen Restroom and Building Rehab					1246																				
Engineering Design					200																				
CD70980	Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab	28	14-Apr-16 A	31-Oct-16 A	[Gantt bar for Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab]																				
CD70990	BODR Review Period - CD Co-Gen Restroom and Building Rehab	14	12-May-16 A	25-May-16 A	[Gantt bar for BODR Review Period - CD Co-Gen Restroom and Building Rehab]																				
CD71040	Final BODR - CD Co-Gen Restroom and Building Rehab	14	26-May-16 A	08-Jun-16 A	[Gantt bar for Final BODR - CD Co-Gen Restroom and Building Rehab]																				
CD71000	60% Design Submittal - CD Co-Gen Restroom and Building Rehab	59	09-Jun-16 A	06-Aug-16 A	[Gantt bar for 60% Design Submittal - CD Co-Gen Restroom and Building Rehab]																				
CD71010	60% Design Review - CD Co-Gen Restroom and Building Rehab	14	07-Aug-16 A	20-Aug-16 A	[Gantt bar for 60% Design Review - CD Co-Gen Restroom and Building Rehab]																				
CD71020	100% Design Submittal - CD Co-Gen Restroom and Building Rehab	26	21-Aug-16 A	15-Sep-16 A	[Gantt bar for 100% Design Submittal - CD Co-Gen Restroom and Building Rehab]																				
CD82110	Engineering Design - CD Co-Gen Restroom and Building Rehab	201	14-Apr-16 A	31-Oct-16 A	[Gantt bar for Engineering Design - CD Co-Gen Restroom and Building Rehab]																				
CD71030	100% Design Review/Permit Ready Submittal - CD Co-Gen Restroom and Building Rehab	46	16-Sep-16 A	31-Oct-16 A	[Gantt bar for 100% Design Review/Permit Ready Submittal - CD Co-Gen Restroom and Building Rehab]																				
Permitting					276																				
CD71050	RER Permit - CD Co-Gen Restroom and Building Rehab	52	01-Nov-16 A	04-Aug-17 A	[Gantt bar for RER Permit - CD Co-Gen Restroom and Building Rehab]																				
CD82100	Permitting - CD Co-Gen Restroom and Building Rehab	277	01-Nov-16 A	04-Aug-17 A	[Gantt bar for Permitting - CD Co-Gen Restroom and Building Rehab]																				
CD81960	City of Miami Permit - CD Co-Gen Restroom and Building Rehab	213	04-Jan-17 A	04-Aug-17 A	[Gantt bar for City of Miami Permit - CD Co-Gen Restroom and Building Rehab]																				
Procurement					621																				
CD84160	GMOU submittal and approval - CD Co-Gen Restroom and Building Rehab	20	03-Feb-17 A	16-Oct-18	[Gantt bar for GMOU submittal and approval - CD Co-Gen Restroom and Building Rehab]																				
CD84100	Internal Bid Package Review - CD Co-Gen Restroom and Building Rehab	13	05-Aug-17 A	17-Aug-17 A	[Gantt bar for Internal Bid Package Review - CD Co-Gen Restroom and Building Rehab]																				
CD81970	Design Documents Sent to Procurement - CD Co-Gen Restroom and Building Rehab	0	18-Aug-17 A	22-Feb-17 A	[Gantt bar for Design Documents Sent to Procurement - CD Co-Gen Restroom and Building Rehab]																				
CD82330	SBD Goals / OCI Reviews and Provides List - CD Co-Gen Restroom and Building Rehab	39	18-Aug-17 A	25-Sep-17 A	[Gantt bar for SBD Goals / OCI Reviews and Provides List - CD Co-Gen Restroom and Building Rehab]																				
CD81990	Advertise Bid Package - CD Co-Gen Restroom and Building Rehab	0	26-Sep-17 A	18-Jan-18 A	[Gantt bar for Advertise Bid Package - CD Co-Gen Restroom and Building Rehab]																				
CD82000	Bid Solicitation Period - CD Co-Gen Restroom and Building Rehab	42	26-Sep-17 A	18-Jan-18 A	[Gantt bar for Bid Solicitation Period - CD Co-Gen Restroom and Building Rehab]																				
CD82010	Bids Due - CD Co-Gen Restroom and Building Rehab	0	19-Jan-18 A	14-Feb-18 A	[Gantt bar for Bids Due - CD Co-Gen Restroom and Building Rehab]																				
CD82020	Bid Review Period - CD Co-Gen Restroom and Building Rehab	32	19-Jan-18 A	14-Feb-18 A	[Gantt bar for Bid Review Period - CD Co-Gen Restroom and Building Rehab]																				
CD85500	Bids Cancelled - CD Co-Gen Restroom and Building Rehab	0	14-Feb-18 A	22-Feb-18 A	[Gantt bar for Bids Cancelled - CD Co-Gen Restroom and Building Rehab]																				
CD85510	Bid Documents Revised (for Bid#2) - CD Co-Gen Restroom and Building Rehab	20	15-Feb-18 A	22-Feb-18 A	[Gantt bar for Bid Documents Revised (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD85520	Design Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	22-Feb-18 A	25-Feb-18 A	[Gantt bar for Design Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD85530	SBD Goals / OCI Reviews and Provides List (for Bid#2) - CD Co-Gen Restroom and Building Rehab	20	23-Feb-18 A	25-Feb-18 A	[Gantt bar for SBD Goals / OCI Reviews and Provides List (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD85540	Advertise Bid Package (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	26-Feb-18 A	05-Apr-18 A	[Gantt bar for Advertise Bid Package (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD85550	Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab	45	26-Feb-18 A	05-Apr-18 A	[Gantt bar for Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD85560	Bid Due (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	06-Apr-18 A	08-May-18 A	[Gantt bar for Bid Due (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD85570	Bid Review Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab	30	06-Apr-18 A	08-May-18 A	[Gantt bar for Bid Review Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD82030	Bids Rejected (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	08-May-18 A	07-Jun-18 A	[Gantt bar for Bids Rejected (for Bid#2) - CD Co-Gen Restroom and Building Rehab]																				
CD86010	Bid Documents Revised (for Bid#3) - CD Co-Gen Restroom and Building Rehab	7	08-May-18 A	07-Jun-18 A	[Gantt bar for Bid Documents Revised (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				
CD86020	Design Documents Sent to Procurement (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	08-Jun-18 A	14-Jun-18 A	[Gantt bar for Design Documents Sent to Procurement (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				
CD86030	SBD Goals / OCI Reviews and Provides List (for Bid#3) - CD Co-Gen Restroom and Building Rehab	30	06-Jun-18 A	14-Jun-18 A	[Gantt bar for SBD Goals / OCI Reviews and Provides List (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				
CD86040	Advertise Bid Package (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	14-Jun-18 A	23-Jul-18	[Gantt bar for Advertise Bid Package (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				
CD86050	Bid Solicitation Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab	45	14-Jun-18 A	23-Jul-18	[Gantt bar for Bid Solicitation Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				
CD86060	Bid Due (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	24-Jul-18	22-Aug-18	[Gantt bar for Bid Due (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				
CD86070	Bid Review Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab	30	24-Jul-18	22-Aug-18	[Gantt bar for Bid Review Period (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				
CD86080	Award Recommendation (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	22-Aug-18	22-Aug-18	[Gantt bar for Award Recommendation (for Bid#3) - CD Co-Gen Restroom and Building Rehab]																				

** EPA Interim Milestone date was missed.

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	Q3	Q4
Procurement					30-Oct-16 A, Procurement																											
CD70640	Procurement - Digester Control Building HVAC Improvements (Project 2.15(1))	198	15-Apr-16 A	30-Oct-16 A	Procurement - Digester Control Building HVAC Improvements (Project 2.15(1))																											
Construction					30-Apr-19, Construction																											
CD70650	Construction - Digester Control Building HVAC Improvements (Project 2.15(1))	540	31-Oct-16 A	30-Apr-19	Construction - Digester Control Building HVAC Improvements (Project 2.15(1))																											
Project Administration					30-Apr-19, Project Administration																											
CD85250	WASD Project Administration - Digester Control Building HVAC Improvements (Project 2.15(1))	1413	11-Jun-14 A	30-Apr-19	WASD Project Administration - Digester Control Building HVAC Improvements (Project 2.15(1))																											
2.25 (4) Pump Station 1 HVAC Improvements (Project 2.21)					25-Jul-19, 2.25 (4) Pump Station 1 HVAC Improvements (Project 2.21)																											
Engineering Design					11-May-17 A, Engineering Design																											
CD70570	Engineering Design - Pump Station 1 HVAC Improvements (Project 2.21)	208	15-Oct-16 A	11-May-17 A	Engineering Design - Pump Station 1 HVAC Improvements (Project 2.21)																											
Permitting					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					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					25-Jul-19, Construction																											
CD70610	Construction - Pump Station 1 HVAC Improvements (Project 2.21)	410	11-Jun-18 A	25-Jul-19	Construction - Pump Station 1 HVAC Improvements (Project 2.21)																											
Project Administration					25-Jul-19, Project Administration																											
CD85260	WASD Project Administration - Pump Station 1 HVAC Improvements (Project 2.21)	965	15-Oct-16 A	25-Jul-19	WASD Project Administration - Pump Station 1 HVAC Improvements (Project 2.21)																											
2.25 (5) Pump Station 2 HVAC Improvements (Project 2.22)					09-Oct-18, 2.25 (5) Pump Station 2 HVAC Improvements (Project 2.22)																											
Engineering Design					11-Apr-16 A, Engineering Design																											
CD70530	Engineering Design - Pump Station 2 HVAC Improvements (Project 2.22)	362	15-Apr-15 A	11-Apr-16 A	Engineering Design - Pump Station 2 HVAC Improvements (Project 2.22)																											
Permitting					02-Dec-16 A, Permitting																											
CD70540	Permitting - Pump Station 2 HVAC Improvements (Project 2.22)	234	12-Apr-16 A	02-Dec-16 A	Permitting - Pump Station 2 HVAC Improvements (Project 2.22)																											
Procurement					23-Jan-17 A, Procurement																											
CD70550	Procurement - Pump Station 2 HVAC Improvements (Project 2.22)	192	15-Jul-16 A	23-Jan-17 A	Procurement - Pump Station 2 HVAC Improvements (Project 2.22)																											
Construction					09-Oct-18, Construction																											
CD70600	Construction - Pump Station 2 HVAC Improvements (Project 2.22)	261	24-Jan-17 A	09-Oct-18	Construction - Pump Station 2 HVAC Improvements (Project 2.22)																											
Project Administration					09-Oct-18, Project Administration																											
CD85270	WASD Project Administration - Pump Station 2 HVAC Improvements (Project 2.22)	911	15-Apr-15 A	09-Oct-18	WASD Project Administration - Pump Station 2 HVAC Improvements (Project 2.22)																											
2.26 Rehabilitation of Walkways and Stairways					27-Sep-27																											
Construction					27-Sep-27																											
CD83460	EPA Start Date for Construction - CD Rehab of Walkways & Stairways	5110	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	28-Dec-23	Construction - CD Rehab of Walkways & Stairways																											
CD11710	Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Walkways & Stairways	0		28-Dec-23*	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					28-Dec-23																											
CD34230	WASD Project Administration - CD Rehab of Walkways & Stairways	3741	01-Oct-13 A	28-Dec-23	WASD Project Administration - CD Rehab of Walkways & Stairways																											
2.27 Oxygen Production					15-Mar-22, 2.27 Oxygen Production																											
Engineering Design					15-Jul-17 A, Engineering Design																											
CD83470	EPA Start for Engineering Design - CD Oxygen Production	926	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					29-Jun-17 A, Permitting																											
CD10550	Permitting - Site Preparation (utilities and demolition)	85	05-Apr-17 A	29-Jun-17 A	Permitting - Site Preparation (utilities and demolition)																											
Procurement					04-Jan-19, Procurement																											
CD83490	EPA Start Date for Procurement - Site Preparation	86	05-Apr-17 A	29-Jun-17 A	EPA Start Date for Procurement - Site Preparation																											
CD81790	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation	406	05-Jun-17 A	04-Jan-19	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation																											
CD10800	Procurement (Summary) - CD Oxygen Production & Site Preparation	0	16-Jul-17 A		Procurement (Summary) - CD Oxygen Production & Site Preparation																											
Design-Build					13-Feb-22, Design-Build																											
CD83500	EPA Start Date for Construction - Site Preparation	1309	16-Jul-18	13-Feb-22	EPA Start Date for Construction - Site Preparation																											
CD11010	Construction (Summary) - CD Oxygen Production & Site Preparation	0	16-Jul-18*		Construction (Summary) - CD Oxygen Production & Site Preparation																											
CD86160	Substantial Completion (CD Compliance Date 2/13/22) - CD Oxygen Production & Site Preparation	926	05-Jan-19	18-Jul-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		18-Jul-21	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation																											
2.27 (1) Oxygen Production Site Preparation					29-Jun-17 A, 2.27 (1) Oxygen Production Site Preparation																											
Pre-Design					29-Sep-16 A, Pre-Design																											
CD70870	Pre-Design - Site Preparation (utilities and demolition)	518	28-Jan-16 A	29-Jun-17 A	Pre-Design - Site Preparation (utilities and demolition)																											
Engineering Design					21-Jun-17 A, Engineering Design																											
CD82150	30% Design Submittal - Site Preparation (utilities and demolition)	246	28-Jan-16 A	29-Sep-16 A	30% Design Submittal - Site Preparation (utilities and demolition)																											
CD82160	30% Design Review - Site Preparation (utilities and demolition)	264	30-Sep-16 A	21-Jun-17 A	30% Design Review - Site Preparation (utilities and demolition)																											
CD82170	100% Design Submittal NFC - Site Preparation (utilities and demolition)	189	30-Sep-16 A	06-Apr-17 A	100% Design Submittal NFC - Site Preparation (utilities and demolition)																											
CD82180	100% Design Review - Site Preparation (utilities and demolition)	176	26-Oct-16 A	19-Apr-17 A	100% Design Review - Site Preparation (utilities and demolition)																											
CD70880	Engineering Design - Site Preparation (utilities and demolition)	205	02-Nov-16 A	25-May-17 A	Engineering Design - Site Preparation (utilities and demolition)																											
CD82190	100% Design Submittal Permit Ready - Site Preparation (utilities and demolition)	205	31-Dec-16 A	01-Jun-17 A	100% Design Submittal Permit Ready - Site Preparation (utilities and demolition)																											
Permitting					29-Jun-17 A, Permitting																											
CD33810	DERM Permit - Site Preparation (utilities and demolition)	265	30-Sep-16 A	21-Jun-17 A	DERM Permit - Site Preparation (utilities and demolition)																											
CD82240	Permitting - Site Preparation (utilities and demolition)	105	16-Mar-17 A	29-Jun-17 A	Permitting - Site Preparation (utilities and demolition)																											
CD70890	COM Permit - Site Preparation (utilities and demolition)	57	16-Mar-17 A	11-May-17 A	COM Permit - Site Preparation (utilities and demolition)																											
Project Administration					29-Jun-17 A, Project Administration																											
CD85330	WASD Project Administration - Site Preparation (utilities and demolition)	106	16-Mar-17 A	29-Jun-17 A	WASD Project Administration - Site Preparation (utilities and demolition)																											
2.27 (2) Oxygen Production Design-Build					15-Mar-22, 2.27 (2) Oxygen Production Design-Build																											
Pre-Design					12-Apr-15 A, Design																											
CD12291	Pre-Design - CD Oxygen Production	114	19-Dec-14 A	12-Apr-15 A	Pre-Design - CD Oxygen Production																											

** EPA Interim Milestone date was missed.

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
Engineering Design					14-Apr-17 A, Engineering Design																									
CD21640	Basis of Design Report (BODR) - CD Oxygen Production	136	13-Apr-15 A	14-Apr-17 A	Design Report (BODR) : CD Oxygen Production																									
CD21580	BODR Review Period - CD Oxygen Production	14	27-Aug-15 A	09-Sep-15 A	Review Period - CD Oxygen Production																									
CD30330	Negotiate Phase II Design - CD Oxygen Production	428	27-Jul-15 A	26-Sep-16 A	Negotiate Phase II Design - CD Oxygen Production																									
CD33780	Design Criteria Package Initial Submittal - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	Design Criteria Package Initial Submittal - CD Oxygen Production																									
CD82200	Final Basis of Design Report (BODR) and Specs - CD Oxygen Production	150	27-Sep-16 A	23-Feb-17 A	Final Basis of Design Report (BODR) and Specs - CD Oxygen Production																									
CD33790	DCP Design Review - CD Oxygen Production	25	24-Feb-17 A	20-Mar-17 A	DCP Design Review - CD Oxygen Production																									
CD33800	Final DCP Submittal - CD Oxygen Production	10	21-Mar-17 A	30-Mar-17 A	Final DCP Submittal - CD Oxygen Production																									
CD82260	Engineering Design - CD Oxygen Production	733	13-Apr-15 A	14-Apr-17 A	Engineering Design - CD Oxygen Production																									
CD82210	Issue Final RDBS - CD Oxygen Production	200	27-Sep-16 A	14-Apr-17 A	Issue Final RDBS - CD Oxygen Production																									
Procurement					04-Jan-19; Procurement																									
CD84120	Internal Bid Package review - CD Oxygen Production	49	17-Apr-17 A	04-Jun-17 A	Internal Bid Package review - CD Oxygen Production																									
CD31040	RDBS sent to ISD - CD Oxygen Production	0	05-Jun-17 A		RDBS sent to ISD - CD Oxygen Production																									
CD31050	Submit/Approve SBD Goals and Request to Advertise - CD Oxygen Production	25	05-Jun-17 A	29-Jun-17 A	Submit/Approve SBD Goals and Request to Advertise - CD Oxygen Production																									
CD33840	Advertise RDBS - CD Oxygen Production	0	26-Jul-17 A		Advertise RDBS - CD Oxygen Production																									
CD33850	Request for Qualifications - CD Oxygen Production	80	26-Jul-17 A	13-Oct-17 A	Request for Qualifications - CD Oxygen Production																									
CD33860	Qualifications Package Due - CD Oxygen Production	0		13-Oct-17 A	Qualifications Package Due - CD Oxygen Production																									
CD33870	Qualification Review Period - CD Oxygen Production	55	14-Oct-17 A	05-Dec-17 A	Qualification Review Period - CD Oxygen Production																									
CD33880	Shortlist Published - CD Oxygen Production	0		05-Dec-17 A	Shortlist Published - CD Oxygen Production																									
CD33890	Request for Proposals - CD Oxygen Production	44	05-Dec-17 A	06-Mar-18 A	Request for Proposals - CD Oxygen Production																									
CD31060	Proposals Due - CD Oxygen Production	0		06-Mar-18 A	Proposals Due - CD Oxygen Production																									
CD31070	Proposal Review Period - CD Oxygen Production	20	07-Mar-18 A	22-Mar-18 A	Proposal Review Period - CD Oxygen Production																									
CD31080	Award Recommendation - CD Oxygen Production	0		23-Mar-18 A	Award Recommendation - CD Oxygen Production																									
CD31100	Contract Negotiations - CD Oxygen Production	30	07-May-18 A	31-Aug-18	Contract Negotiations - CD Oxygen Production																									
CD82250	Procurement - CD Oxygen Production	314	05-Jun-17 A	04-Jan-19	Procurement - CD Oxygen Production																									
CD31110	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production	126	01-Sep-18	04-Jan-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production																									
Design-Build					15-Mar-22; Design-Build																									
CD33820	Design-Builder NTP - CD Oxygen Production	0	05-Jan-19		Design-Builder NTP - CD Oxygen Production																									
CD84700	Construction of Site Preparation (CD 2.27(1)) - CD Oxygen Production	380	05-Jan-19	19-Jan-20	Construction of Site Preparation (CD 2.27(1)) - CD Oxygen Production																									
CD84720	Construction Completion Milestone #1 (CD Compliance Date 2/13/22) - CD Oxygen Production	0		19-Jan-20*	Construction Completion Milestone #1 (CD Compliance Date 2/13/22) - CD Oxygen Production																									
CD33910	Final Engineering by Design-Builder - CD Oxygen Production	445	05-Jan-19	24-Mar-20	Final Engineering by Design-Builder - CD Oxygen Production																									
CD33920	AHJ Permit Review - CD Oxygen Production	395	22-Jun-19	20-Jul-20	AHJ Permit Review - CD Oxygen Production																									
CD84750	Design-Builder Summary (NTP to Milestone #2) - CD Oxygen Production	926	05-Jan-19	18-Jul-21	Design-Builder Summary (NTP to Milestone #2) - CD Oxygen Production																									
CD70930	Design-Builder Construction - CD Oxygen Production	518	17-Feb-20	18-Jul-21	Design-Builder Construction - CD Oxygen Production																									
CD84730	Construction Completion Milestone #2 (CD Compliance Date 2/13/22) - CD Oxygen Production	0		18-Jul-21*	Construction Completion Milestone #2 (CD Compliance Date 2/13/22) - CD Oxygen Production																									
CD84740	Construction of VPSA 2 (Non-Consent Decree) - CD Oxygen Production	162	19-Jul-21	27-Dec-21	Construction of VPSA 2 (Non-Consent Decree) - CD Oxygen Production																									
CD86400	Commissioning - CD Oxygen Production	30	28-Nov-21	27-Dec-21	Commissioning - CD Oxygen Production																									
CD11240	Substantial Completion (Non-Consent Decree) - CD Oxygen Production	0		27-Dec-21	Substantial Completion (Non-Consent Decree) - CD Oxygen Production																									
CD85340	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22*	EPA Compliance Date for Construction - CD Oxygen Production																									
CD40270	Project Closeout - CD Oxygen Production	78	28-Dec-21	15-Mar-22*	Project Closeout - CD Oxygen Production																									
Project Administration					15-Mar-22; Project Administration																									
CD34240	WASD Project Administration - CD Oxygen Production	1993	13-Apr-15 A	15-Mar-22	WASD Project Administration - CD Oxygen Production																									
2.28 SCADARTU Upgrades					29-Mar-14 A																									
Construction					29-Mar-14 A																									
CD71210	EPA Start Date for Construction - CD SCADARTU Upgrades	0	01-Oct-13 A		EPA Start Date for Construction - CD SCADARTU Upgrades																									
CD10020	Construction - CD SCADARTU Upgrades	133	01-Oct-13 A	10-Feb-14 A	Construction - CD SCADARTU Upgrades																									
CD10100	Substantial Completion (CD Compliance Date 3/29/14) - CD SCADARTU Upgrades	0		10-Feb-14 A	Substantial Completion (CD Compliance Date 3/29/14) - CD SCADARTU Upgrades																									
CD81810	EPA Compliance Date for Construction - CD SCADARTU Upgrades	0		29-Mar-14 A	EPA Compliance Date for Construction - CD SCADARTU Upgrades																									
Project Administration					10-Feb-14 A																									
CD85280	WASD Project Administration - CD SCADARTU Upgrades	133	01-Oct-13 A	10-Feb-14 A	WASD Project Administration - CD SCADARTU Upgrades																									
2.29 High Strength Influent Impact Study					24-Jun-14 A																									
Engineering Design					24-Jun-14 A																									
CD71220	EPA Start Date for Engineering Study - CD High Strength Influent Study Impact	0	12-Feb-13 A		EPA Start Date for Engineering Study - CD High Strength Influent Study Impact																									
CD10000	Engineering Study - CD High Strength Influent Study Impact	472	12-Feb-13 A	29-May-14 A	Engineering Study - CD High Strength Influent Study Impact																									
CD10190	Substantial Completion (CD Compliance Date 6/24/14) - High Strength Influent Impact Study	0		29-May-14 A	Substantial Completion (CD Compliance Date 6/24/14) - High Strength Influent Impact Study																									
CD81820	EPA Compliance Date for Engineering Study - CD High Strength Influent Study Impact	0		24-Jun-14 A	EPA Compliance Date for Engineering Study - CD High Strength Influent Study Impact																									
Project Administration					29-May-14 A																									
CD85290	WASD Project Administration - CD High Strength Influent Study Impact	472	12-Feb-13 A	29-May-14 A	WASD Project Administration - CD High Strength Influent Study Impact																									
2.20 CDWWTP CM Office & Contractor Trailers Site Prep					30-Aug-18; 2 CM CDWWTP CM Office & Contractor Trailers Site Prep																									
Pre-Design					21-Apr-16 A; Pre-Design																									
CD70000	Pre-Design - CDWWTP Contractor's Trailers Site Prep	168	05-Nov-15 A	21-Apr-16 A	Pre-Design - CDWWTP Contractor's Trailers Site Prep																									
Engineering Design					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																									
Permitting					01-May-17 A; Permitting																									
CD80010	Florida Department of Health Permit - CDWWTP Contractor's Trailers Site Prep	174	08-Nov-16 A	01-May-17 A	Florida Department of Health Permit - CDWWTP Contractor's Trailers Site Prep																									
CD80020	DERM Permit - CDWWTP Contractor's Trailers Site Prep	6	14-Dec-16 A	19-Dec-16 A	DERM Permit - CDWWTP Contractor's Trailers Site Prep																									
CD70020	Permitting - CDWWTP Contractor's Trailers Site Prep	86	12-Dec-16 A	07-Mar-17 A	Permitting - CDWWTP Contractor's Trailers Site Prep																									
CD84560	COM Permit - CDWWTP Contractor's Trailers Site Prep	175	08-Nov-16 A	01-May-17 A	COM Permit - CDWWTP Contractor's Trailers Site Prep																									
Procurement					19-Oct-17 A; Procurement																									
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																									
CD84560	COM Permit - CDWWTP Contractor's Trailers Site Prep	162	02-May-17 A	19-Oct-17 A	COM Permit - CDWWTP Contractor's Trailers Site Prep																									

** EPA Interim Milestone date was missed.

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
ND70300	City of North Miami Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	186	24-Apr-17 A	10-Oct-17 A	[Gantt bars for 2017-2018]																																	
Procurement		490	10-Jul-17 A	11-Nov-18	[Gantt bars for 2017-2018]																																	
ND71550	GMOU submittal and approval - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	22	10-Jul-17 A	31-Jul-17 A	[Gantt bars for 2017-2018]																																	
ND71480	Internal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	3	30-Oct-17 A	12-Nov-17 A	[Gantt bars for 2017-2018]																																	
ND20880	Design Documents Sent to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	14-Dec-17 A		[Gantt bars for 2017-2018]																																	
ND20890	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Nov-17 A	08-Feb-18 A	[Gantt bars for 2017-2018]																																	
ND20900	Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	09-Feb-18 A		[Gantt bars for 2018-2019]																																	
ND20910	Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	34	09-Feb-18 A	20-May-18 A	[Gantt bars for 2018-2019]																																	
ND20920	Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	21-May-18 A		[Gantt bars for 2018-2019]																																	
ND20930	Bid Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	19	21-May-18 A	12-Sep-18	[Gantt bars for 2018-2019]																																	
ND20940	Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0		12-Sep-18	[Gantt bars for 2018-2019]																																	
ND71450	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	223	14-Dec-17 A	11-Nov-18	[Gantt bars for 2017-2018]																																	
ND20950	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Sep-18	11-Nov-18	[Gantt bars for 2018-2019]																																	
Construction		1089	12-Nov-18	04-Nov-21	[Gantt bars for 2018-2021]																																	
ND10268	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers & Odor Control	0	12-Nov-18		[Gantt bars for 2018-2021]																																	
ND71460	Construction - ND Primary Clarifiers & Odor Control (Remaining Scope)	999	12-Nov-18	06-Aug-21	[Gantt bars for 2018-2021]																																	
ND71810	Commissioning - ND Primary Clarifiers & Odor Control	30	08-Jul-21	06-Aug-21*	[Gantt bars for 2021-2022]																																	
ND10420	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0		06-Aug-21*	[Gantt bars for 2021-2022]																																	
ND40290	Project Closeout - ND Primary Clarifiers & Odor Control	90	07-Aug-21	04-Nov-21*	[Gantt bars for 2021-2022]																																	
Project Administration		2483	03-Sep-14 A	04-Nov-21	[Gantt bars for 2014-2021]																																	
ND21510	WASD Project Administration - ND Primary Clarifiers & Odor Control	2483	03-Sep-14 A	04-Nov-21	[Gantt bars for 2014-2021]																																	
3.03 Oxygenation Trains		3238	25-Apr-17 A	06-Mar-26	[Gantt bars for 2017-2024]																																	
Pre-Design		855	25-Apr-17 A	27-Aug-19	[Gantt bars for 2017-2019]																																	
ND11385	Pre-Design (BODR) - ND Oxygenation Trains	150	21-Jul-17 A	01-Jun-18 A	[Gantt bars for 2017-2018]																																	
ND71620	Pre-Design (Tank #5 Rehab) - ND Oxygenation Trains	190	25-Apr-17 A	13-Aug-18	[Gantt bars for 2017-2018]																																	
ND71710	Pre-Design (Remaining Scope of Work) - ND Oxygenation Trains	150	31-Mar-19	27-Aug-19	[Gantt bars for 2019-2020]																																	
Engineering Design		815	04-Jun-18 A	26-Aug-20	[Gantt bars for 2018-2020]																																	
ND70880	EPA Start Date for Engineering Design - ND Oxygenation Trains	0	01-Jan-19*		[Gantt bars for 2019-2020]																																	
ND20230	Basis of Design Report (BODR) - ND Oxygenation Trains	286	04-Jun-18 A	16-Mar-19	[Gantt bars for 2018-2019]																																	
ND20240	BODR Review/Re-submittal - ND Oxygenation Trains	14	17-Mar-19	30-Mar-19	[Gantt bars for 2019-2020]																																	
ND70400	EPA Compliance Date for Engineering Design - ND Oxygenation Trains	0		14-Oct-19*	[Gantt bars for 2019-2020]																																	
ND71650	Engineering Design (Tank #5 Rehab) - ND Oxygenation Trains	438	14-Aug-18	25-Oct-19	[Gantt bars for 2018-2019]																																	
ND20250	30% Design Submittal - ND Oxygenation Trains	100	28-Aug-19	05-Dec-19	[Gantt bars for 2019-2020]																																	
ND20260	30% Design Review - ND Oxygenation Trains	30	06-Dec-19	04-Jan-20	[Gantt bars for 2019-2020]																																	
ND20270	60% Design Submittal - ND Oxygenation Trains	90	05-Jan-20	03-Apr-20	[Gantt bars for 2020-2021]																																	
ND20280	60% Design Review - ND Oxygenation Trains	30	04-Apr-20	03-May-20	[Gantt bars for 2020-2021]																																	
ND20290	100% Design Submittal - ND Oxygenation Trains	75	04-May-20	17-Jul-20	[Gantt bars for 2020-2021]																																	
ND10310	Engineering Design - ND Oxygenation Trains	815	04-Jun-18 A	26-Aug-20	[Gantt bars for 2018-2020]																																	
ND40470	100% Design Review/Permit Ready Submittal - ND Oxygenation Trains	40	18-Jul-20	26-Aug-20	[Gantt bars for 2020-2021]																																	
Permitting		587	15-Oct-19	23-May-21	[Gantt bars for 2019-2021]																																	
ND70890	EPA Start Date for Permitting - ND Oxygenation Trains	0	15-Oct-19*		[Gantt bars for 2019-2021]																																	
ND71670	Permitting (Tank #5 Rehab) - ND Oxygenation Trains	90	26-Oct-19	23-Jan-20	[Gantt bars for 2019-2020]																																	
ND70410	EPA Compliance Date for Permitting - ND Oxygenation Trains	0		13-Oct-20*	[Gantt bars for 2020-2021]																																	
ND10350	Permitting - ND Oxygenation Trains	576	26-Oct-19	23-May-21	[Gantt bars for 2019-2021]																																	
ND71660	Permitting (Remaining Scope of Work) - ND Oxygenation Trains	270	27-Aug-20	23-May-21	[Gantt bars for 2020-2021]																																	
Procurement		1708	19-Jun-17 A	20-Feb-22	[Gantt bars for 2017-2022]																																	
ND71630	P.O. for Tank #5 Cleaning - ND Oxygenation Trains	196	19-Jun-17 A	28-Sep-18	[Gantt bars for 2017-2018]																																	
ND71680	Procurement (Tank #5 Rehab) - ND Oxygenation Trains	120	24-Jan-20	22-May-20	[Gantt bars for 2020-2021]																																	
ND70900	EPA Start Date for Procurement - ND Oxygenation Trains	0	14-Oct-20*		[Gantt bars for 2020-2021]																																	
ND71390	Internal Bid Package Review - ND Oxygenation Trains	3	24-May-21	26-May-21	[Gantt bars for 2021-2022]																																	
ND21200	Design Documents Sent to Procurement - ND Oxygenation Trains	0	27-May-21		[Gantt bars for 2021-2022]																																	
ND21210	Submit/Approve SBD Goals and Request to Advertise - ND Oxygenation Trains	60	27-May-21	25-Jul-21	[Gantt bars for 2021-2022]																																	
ND21220	Advertise Bid Package - ND Oxygenation Trains	0	26-Jul-21		[Gantt bars for 2021-2022]																																	
ND21230	Bid Solicitation Period - ND Oxygenation Trains	60	26-Jul-21	23-Sep-21	[Gantt bars for 2021-2022]																																	
ND21240	Bids Due - ND Oxygenation Trains	0	24-Sep-21		[Gantt bars for 2021-2022]																																	
ND70420	EPA Compliance Date for Procurement - ND Oxygenation Trains	0		13-Oct-21*	[Gantt bars for 2021-2022]																																	
ND21250	Bid Review Period - ND Oxygenation Trains	30	24-Sep-21	23-Oct-21	[Gantt bars for 2021-2022]																																	
ND21260	Award Recommendation - ND Oxygenation Trains	0		23-Oct-21	[Gantt bars for 2021-2022]																																	
ND10390	Procurement - ND Oxygenation Trains	270	27-May-21	20-Feb-22	[Gantt bars for 2021-2022]																																	
ND21270	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygenation Trains	120	24-Oct-21	20-Feb-22	[Gantt bars for 2021-2022]																																	
Construction		2716	29-Sep-18	06-Mar-26	[Gantt bars for 2018-2024]																																	
ND71640	Cleaning of Tank #5 - ND Oxygenation Trains	150	29-Sep-18	25-Feb-19	[Gantt bars for 2018-2019]																																	
ND71690	Construction (Tank #5 Rehab) - ND Oxygenation Trains	120	23-May-20	19-Sep-20	[Gantt bars for 2020-2021]																																	
ND70910	EPA Start Date for Construction - ND Oxygenation Trains	0	14-Oct-21*		[Gantt bars for 2021-2022]																																	
ND10428	Contractor Notice to Proceed (NTP) - ND Oxygenation Trains	0	21-Feb-22		[Gantt bars for 2022-2023]																																	
ND10430	Construction - ND Oxygenation Trains	825	21-Feb-22	25-May-24	[Gantt bars for 2022-2024]																																	
ND71700	Construction (Remaining Scope of Work) - ND Oxygenation Trains	825	21-Feb-22	25-May-24	[Gantt bars for 2022-2024]																																	
ND71820	Commissioning - ND Oxygenation Trains	30	26-Apr-24	25-May-24	[Gantt bars for 2024-2025]																																	
ND10510	Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygenation Trains	0		25-May-24*	[Gantt bars for 2024-2025]																																	

** EPA Interim Milestone date was missed.

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
ND20050	Procurement - Replace Mechanisms #3, 6 & 8	106	03-Oct-14 A	16-Jan-15 A	Mechanisms #3, 6 & 8																																	
ND20700	Procurement - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	230	04-Feb-15 A	21-Sep-15 A	Procurement - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10																																	
Construction					Construction - Replace Mechanisms #3, 6 & 8																																	
ND20060	Construction - Replace Mechanisms #3, 6 & 8	316	19-Jan-15 A	30-Nov-15 A	Construction - Replace Mechanisms #3, 6 & 8																																	
ND20710	Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	556	22-Sep-15 A	30-Mar-17 A	Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10																																	
ND20070	Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10	0		30-Mar-17 A	Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1-10																																	
ND70730	Project Closeout - Replace Mechanisms #1-10	212	31-Mar-17 A	29-Jun-17 A	Project Closeout - Replace Mechanisms #1-10																																	
Project Administration					WASD Project Administration - Replace Mechanisms #1-10																																	
ND21540	WASD Project Administration - Replace Mechanisms #1-10	1158	28-Aug-14 A	29-Jun-17 A	WASD Project Administration - Replace Mechanisms #1-10																																	
3.05 (2) Secondary Clarifiers (Remaining Scope of Work)					3.05 (2) Secondary Clarifiers (Remaining Scope of Work)																																	
Pre-Design					Pre-Design - ND Secondary Clarifiers (Remaining Scope)																																	
ND11405	Pre-Design - ND Secondary Clarifiers (Remaining Scope)	97	23-May-14 A	27-Aug-14 A	Pre-Design - ND Secondary Clarifiers (Remaining Scope)																																	
Engineering Design					Engineering Design - ND Secondary Clarifiers (Remaining Scope)																																	
ND20320	Basis of Design Report (BODR) - ND Secondary Clarifiers	216	28-Aug-14 A	09-Mar-17 A	Basis of Design Report (BODR) - ND Secondary Clarifiers																																	
ND20330	Negotiate Scope & Cost with MWH - ND Secondary Clarifiers (Remaining Scope)	233	23-Feb-15 A	13-Oct-15 A	Negotiate Scope & Cost with MWH - ND Secondary Clarifiers (Remaining Scope)																																	
ND20335	Issue Task Authorization - ND Secondary Clarifiers (Remaining Scope)	0	18-Dec-15 A		Issue Task Authorization - ND Secondary Clarifiers (Remaining Scope)																																	
ND20340	30% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	161	18-Dec-15 A	26-May-16 A	30% Design Submittal - ND Secondary Clarifiers (Remaining Scope)																																	
ND20350	30% Design Review - ND Secondary Clarifiers (Remaining Scope)	7	27-May-16 A	02-Jun-16 A	30% Design Review - ND Secondary Clarifiers (Remaining Scope)																																	
ND20360	60% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	147	03-Jun-16 A	27-Oct-16 A	60% Design Submittal - ND Secondary Clarifiers (Remaining Scope)																																	
ND20370	60% Design Review - ND Secondary Clarifiers (Remaining Scope)	12	28-Oct-16 A	08-Nov-16 A	60% Design Review - ND Secondary Clarifiers (Remaining Scope)																																	
ND20380	100% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	93	09-Nov-16 A	09-Feb-17 A	100% Design Submittal - ND Secondary Clarifiers (Remaining Scope)																																	
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)																																	
Permitting					Permitting - ND Secondary Clarifiers (Remaining Scope)																																	
ND70240	FDEP Permit - ND Secondary Clarifiers (Remaining Scope)	693	27-Mar-15 A	16-Feb-17 A	FDEP Permit - ND Secondary Clarifiers (Remaining Scope)																																	
ND70250	RER Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	23-Jun-17 A	RER Permit - ND Secondary Clarifiers (Remaining Scope)																																	
ND70270	Fire Department Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	24-Aug-17 A	Fire Department Permit - ND Secondary Clarifiers (Remaining Scope)																																	
ND20100	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)																																	
Procurement					Procurement - ND Secondary Clarifiers (Remaining Scope)																																	
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	12-Sep-18	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)																																	
ND21020	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)	0		12-Sep-18	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)																																	
ND20110	Procurement - ND Secondary Clarifiers (Remaining Scope)	256	15-Dec-17 A	11-Nov-18	Procurement - ND Secondary Clarifiers (Remaining Scope)																																	
ND21030	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)	60	13-Sep-18	11-Nov-18	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)																																	
Construction					Construction - ND Secondary Clarifiers (Remaining Scope)																																	
ND20118	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)	0	12-Nov-18	08-Oct-22	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)																																	
ND20120	Construction - ND Secondary Clarifiers (Remaining Scope)	1395	12-Nov-18	06-Sep-22	Construction - ND Secondary Clarifiers (Remaining Scope)																																	
ND71840	Commissioning - ND Secondary Clarifiers	30	08-Aug-22	06-Sep-22	Commissioning - ND Secondary Clarifiers																																	
ND20130	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)	0		06-Sep-22*	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)																																	
ND40320	Project Closeout - ND Secondary Clarifiers	32	07-Sep-22	08-Oct-22*	Project Closeout - ND Secondary Clarifiers																																	
Project Administration					WASD Project Administration - ND Secondary Clarifiers																																	
ND21550	WASD Project Administration - ND Secondary Clarifiers	3545	28-Aug-14 A	08-Oct-22	WASD Project Administration - ND Secondary Clarifiers																																	
3.06 Disinfection					3.06 Disinfection																																	
Pre-Design					Pre-Design - ND Disinfection																																	
ND20010	Pre-Design - ND Disinfection	114	16-Feb-15 A	10-Jun-15 A	Pre-Design - ND Disinfection																																	
Engineering Design					Engineering Design - ND Disinfection																																	
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																																	
Permitting					Permitting - ND Disinfection																																	
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																																	
ND10200	Permitting - ND Disinfection	464	25-Jul-16 A	22-Nov-17 A	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																																	
Procurement					Procurement - ND Disinfection																																	
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																																	

** EPA Interim Milestone date was missed.

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
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-May-21	Permitting - ND Plant Wide Electrical																									
Procurement					20-Feb-22, Procurement																									
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*		◆ EPA Compliance Date for Procurement - ND Plant Wide Electrical																									
ND10250	Procurement - ND Plant Wide Electrical	2142	12-Mar-15 A	20-Feb-22	Procurement - ND Plant Wide Electrical																									
Construction					20-Aug-22, Construction																									
ND71110	EPA Start Date for Construction - ND Plant Wide Electrical	0	21-Jan-19*		◆ EPA Start Date for Construction - ND Plant Wide Electrical																									
ND10320	Construction - ND Plant Wide Electrical	2339	01-Oct-15 A	20-Aug-22	Construction - ND Plant Wide Electrical																									
ND10480	Substantial Completion (CD Compliance Date 8/20/22) - ND Plant Wide Electrical	0	20-Aug-22*		◆ Substantial Completion (CD Compliance Date																									
ND70630	EPA Compliance Date for Construction - ND Plant Wide Electrical	0	20-Aug-22*		◆ EPA Compliance Date for Construction - ND Plant Wide Electrical																									
Project Administration					20-Aug-22, Project Administration																									
ND21580	WASD Project Administration - ND Plant Wide Electrical	2857	01-May-14 A	20-Aug-22	WASD Project Administration - ND Plant Wide Electrical																									
3.08 (1) - NDWWTP General Electrical In-house Construction (Feeders 1-2)					15-Jan-16 A, 3.08 (1) - NDWWTP General Electrical In-house Construction (Feeders 1-2)																									
Engineering Design					Engineering Design																									
ND20470	Engineering Design - Electrical Feeders 1-2	401	01-May-14 A	05-Jun-15 A	Design - Electrical Feeders 1-2																									
Permitting					Permitting - Electrical Feeders 1-2																									
ND70230	Permitting - Electrical Feeders 1-2	35	01-May-15 A	05-Jun-15 A	Permitting - Electrical Feeders 1-2																									
Procurement					30-Sep-15 A, Procurement																									
ND40520	Procurement - Electrical Feeders 1-2	202	12-Mar-15 A	30-Sep-15 A	Procurement - Electrical Feeders 1-2																									
Construction					15-Jan-16 A, Construction																									
ND21460	Construction - Electrical Feeders 1-2	106	01-Oct-15 A	15-Jan-16 A	Construction - Electrical Feeders 1-2																									
Project Administration					15-Jan-16 A, Project Administration																									
ND71740	WASD Project Administration - Electrical Feeders 1-2	106	01-Oct-15 A	15-Jan-16 A	WASD Project Administration - Electrical Feeders 1-2																									
3.08 (2) - Electrical Feeders 3-6 (Project 3.01)					06-Dec-17 A, 3.08 (2) - Electrical Feeders 3-6 (Project 3.01)																									
Engineering Design					Engineering Design																									
ND70180	Engineering Design - Electrical Feeders 3-6 (Project 3.01)	400	01-May-14 A	05-Jun-15 A	Engineering Design - Electrical Feeders 3-6 (Project 3.01)																									
Permitting					Permitting - Electrical Feeders 3-6 (Project 3.01)																									
ND70190	Permitting - Electrical Feeders 3-6 (Project 3.01)	35	01-May-15 A	05-Jun-15 A	Permitting - Electrical Feeders 3-6 (Project 3.01)																									
Procurement					01-Nov-15 A, 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)																									
Construction					06-Dec-17 A, 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)																									
Project Administration					06-Dec-17 A, 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)																									
3.08 (3) - Electrical Feeders 7-8 (Project 3.04)					26-Aug-20, Engineering Design																									
Engineering Design					Engineering Design - Electrical Feeders 7-8 (Project 3.04)																									
ND70140	Engineering Design - Electrical Feeders 7-8 (Project 3.04)	587	18-Jan-19	26-Aug-20	Engineering Design - Electrical Feeders 7-8 (Project 3.04)																									
Permitting					23-May-21, Permitting																									
ND70150	Permitting - Electrical Feeders 7-8 (Project 3.04)	270	27-Aug-20	23-May-21	Permitting - Electrical Feeders 7-8 (Project 3.04)																									
Procurement					20-Feb-22, Procurement																									
ND40540	Procurement - Electrical Feeders 7-8 (Project 3.04)	270	27-May-21	20-Feb-22	Procurement - Electrical Feeders 7-8 (Project 3.04)																									
Construction					20-Aug-22, Construction																									
ND21480	Construction - Electrical Feeders 7-8 (Project 3.04)	181	21-Feb-22	20-Aug-22	Construction - Electrical Feeders 7-8 (Project 3.04)																									
Project Administration					20-Aug-22, Project Administration																									
ND71760	WASD Project Administration - Electrical Feeders 7-8 (Project 3.04)	1311	18-Jan-19	20-Aug-22	WASD Project Administration - Electrical Feeders 7-8 (Project 3.04)																									
3.08 (4) - Electrical Feeders 9-14					02-May-20, Engineering Design																									
Engineering Design					Engineering Design - Electrical Feeders 9-10, 13-14																									
ND40500	Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14	0	04-Jan-20*		◆ Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14																									
ND71210	Engineering Design - Electrical Feeders 9-10, 13-14	120	04-Jan-20	02-May-20	Engineering Design - Electrical Feeders 9-10, 13-14																									
Permitting					31-Jul-20, Permitting																									
ND71220	Permitting - Electrical Feeders 9-10, 13-14	90	03-May-20	31-Jul-20	Permitting - Electrical Feeders 9-10, 13-14																									
Procurement					28-Nov-20, Procurement																									
ND40550	Procurement - Electrical Feeders 9-10, 13-14	120	01-Aug-20	28-Nov-20	Procurement - Electrical Feeders 9-10, 13-14																									
Construction					22-Apr-22, Construction																									
ND71600	Construction - Electrical Feeders 11&12	100	10-Jan-17 A	19-Apr-17 A	Construction - Electrical Feeders 11&12																									
ND71610	Construction - Electrical Feeders 9-14	1839	10-Jan-17 A	22-Jan-22	Construction - Electrical Feeders 9-14																									
ND21490	Construction - Electrical Feeders 9-10, 13-14	420	29-Nov-20	22-Jan-22	Construction - Electrical Feeders 9-10, 13-14																									
ND71860	Commissioning - Electrical Feeders 9-14	30	24-Dec-21	22-Jan-22	Commissioning - Electrical Feeders 9-14																									
ND40350	Project Closeout - Electrical Feeders 9-14	90	23-Jan-22	22-Apr-22*	Project Closeout - Electrical Feeders 9-14																									
Project Administration					31-Jul-20, Project Administration																									
ND71770	WASD Project Administration - Electrical Feeders 9-14	1299	10-Jan-17 A	31-Jul-20	WASD Project Administration - Electrical Feeders 9-14																									
3.09 Flood Mitigation					31-Aug-17 A, 3.09 Flood Mitigation																									
Engineering Design					Engineering Design																									
ND71120	EPA Start Date for Engineering Design - ND Flood Mitigation	422	04-Apr-14 A	30-May-15 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																									
Permitting					16-Nov-15 A, Permitting																									
ND71130	EPA Start Date for Permitting - ND Flood Mitigation	364	27-Nov-14 A	26-Nov-15 A	EPA Start Date for Permitting - ND Flood Mitigation																									

** EPA Interim Milestone date was missed.

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
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																																	
Procurement					25-Nov-16 A, 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																																	
Construction					31-Aug-17 A, Construction																																	
ND10160	Construction - ND Flood Mitigation	421	01-May-15 A	24-Jun-16 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																																	
Project Administration					24-Jun-16 A, Project Administration																																	
ND21590	WASD Project Administration - ND Flood Mitigation	812	04-Apr-14 A	24-Jun-16 A	WASD Project Administration - ND Flood Mitigation																																	
3.10 Yard Piping Replacement					04-Dec-21, 3.10 Yard Piping Replacement																																	
Pre-Design					06-Apr-15 A, Pre-Design																																	
ND11435	Pre-Design - ND Secondary Clarifiers	1	06-Apr-15 A	06-Apr-15 A	Pre-Design - ND Secondary Clarifiers																																	
Engineering Design					16-Jul-17 A, 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	10-Apr-16 A		EPA Start Date for Engineering Design - ND Yard Piping Replacement																																	
ND70680	EPA Compliance Date for Engineering Design - ND Yard Piping Replacement	0		16-Jul-17 A	EPA Compliance Date for Engineering Design - ND Yard Piping Replacement																																	
Permitting					12-Jan-18 A, 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	0	17-Jul-17 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																																	
Procurement					09-Oct-18, Procurement																																	
ND10240	Procurement - ND Yard Piping Replacement	1284	05-Apr-15 A	09-Oct-18	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																																	
ND70700	EPA Compliance Date for Procurement - ND Yard Piping Replacement	0		09-Oct-18*	EPA Compliance Date for Procurement - ND Yard Piping Replacement																																	
Construction					04-Dec-21, Construction																																	
ND20870	Rehab 1st 84" Pipe - ND Yard Piping Replacement	2386	25-May-15 A	04-Dec-21	Rehab 1st 84" Pipe - ND Yard Piping Replacement																																	
ND10290	Construction - ND Yard Piping Replacement	123	25-May-15 A	24-Sep-15 A	Construction - ND Yard Piping Replacement																																	
ND20860	Rehab 2nd 84" Pipe - ND Yard Piping Replacement	366	25-May-15 A	24-May-16 A	Rehab 2nd 84" Pipe - ND Yard Piping Replacement																																	
ND10440	Substantial Completion (CD Compliance Date 12/04/21) - ND Yard Piping Replacement	83	03-Mar-16 A	24-May-16 A	Substantial Completion (CD Compliance Date 12/04/21) - ND Yard Piping Replacement																																	
ND71190	EPA Start Date for Construction - ND Yard Piping Replacement	0	10-Oct-18*		EPA Start Date for Construction - ND Yard Piping Replacement																																	
ND70710	EPA Compliance Date for Construction - ND Yard Piping Replacement	0		04-Dec-21*	EPA Compliance Date for Construction - ND Yard Piping Replacement																																	
Project Administration					24-May-16 A, Project Administration																																	
ND21600	WASD Project Administration - ND Secondary Clarifiers	414	06-Apr-15 A	24-May-16 A	WASD Project Administration - ND Secondary Clarifiers																																	
3.11 SCADA RTU Upgrades					24-Mar-15 A, SCADA RTU Upgrades																																	
Construction					01-Oct-13 A, Construction																																	
ND71200	EPA Start Date for Construction - ND SCADA RTU Upgrades	540	30-Sep-13 A	24-Mar-15 A	EPA Start Date for Construction - ND SCADA RTU Upgrades																																	
ND10020	Construction - ND SCADA RTU Upgrades	423	30-Sep-13 A	26-Nov-14 A	Construction - ND SCADA RTU Upgrades																																	
ND10070	Substantial Completion (CD Compliance Date 3/24/15) - ND SCADA RTU Upgrades	0		26-Nov-14 A	Substantial Completion (CD Compliance Date 3/24/15) - ND SCADA RTU Upgrades																																	
ND70720	EPA Compliance Date for Construction - ND SCADA RTU Upgrades	0		24-Mar-15 A	EPA Compliance Date for Construction - ND SCADA RTU Upgrades																																	
Project Administration					26-Nov-14 A, Project Administration																																	
ND71780	WASD Project Administration - ND SCADA RTU Upgrades	422	30-Sep-13 A	26-Nov-14 A	WASD Project Administration - ND SCADA RTU Upgrades																																	
4. Wastewater Collection & Transmission Line					27-Sep-27, 4. Wastewater Collection & Transmission Line																																	
4.01 Collection System I/I Repairs					27-Sep-27, 4.01 Collection System I/I Repairs																																	
Construction					01-Oct-13 A, Construction																																	
CT71230	EPA Start Date for Construction - Collection System I/I Repair	5110	01-Oct-13 A	27-Sep-27	EPA Start Date for Construction - Collection System I/I Repair																																	
CT10070	Construction - Collection System I/I Repair	4161	01-Oct-13 A	27-Sep-27	Construction - Collection System I/I Repair																																	
CT10430	Substantial Completion (CD Compliance Date 9/27/27) - Collection System I/I Repair	0		27-Sep-27*	Substantial Completion (CD Compliance Date 9/27/27) - Collection System I/I Repair																																	
CT50590	EPA Compliance Date for Construction - Collection System I/I Repair	0		27-Sep-27*	EPA Compliance Date for Construction - Collection System I/I Repair																																	
4.01 (1.0) - PMCM CIPP I/I Repairs					31-Jul-18, 4.01 (1.0) - PMCM CIPP I/I Repairs																																	
Engineering Design					15-Aug-17 A, Engineering Design																																	
CT30000	CIPP Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	1065	01-Feb-15 A	15-Aug-17 A	CIPP Specifications & Scope to MDWASD - 2015/2016 Fiscal Year																																	
CT30090	CIPP Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (PO 168)	18	01-Feb-15 A	18-Feb-15 A	CIPP Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (PO 168)																																	
CT30220	CIPP Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	55	01-May-16 A	24-Jun-16 A	CIPP Specifications & Scope to MDWASD - 2017/2018 Fiscal Year																																	
Procurement					31-Jan-17 A, Procurement																																	
CT30010	CIPP Contractor Procurement - 2015/2016 Fiscal Year	730	01-Feb-15 A	31-Jan-17 A	CIPP Contractor Procurement - 2015/2016 Fiscal Year																																	
CT30120	CIPP Contractor Procurement - 2016/2017 Fiscal Year (RPQ PO 193)	303	01-Feb-15 A	30-Nov-15 A	CIPP Contractor Procurement - 2016/2017 Fiscal Year (RPQ PO 193)																																	
Construction					31-Jul-18, Construction																																	
CT30060	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)	968	07-Dec-15 A	31-Jul-18	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)																																	
CT30150	CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193)	446	07-Dec-15 A	24-Feb-17 A	CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193)																																	
Project Administration					31-Jul-18, Project Administration																																	
CT80720	WASD Project Administration - PMCM CIPP I/I Repairs	365	01-Aug-17 A	31-Jul-18	WASD Project Administration - PMCM CIPP I/I Repairs																																	
4.01 (1.1) - PMCM Dig & Replace I/I Repairs					22-Jul-18, 4.01 (1.1) - PMCM Dig & Replace I/I Repairs																																	
Engineering Design					15-Aug-17 A, Engineering Design																																	
CT30020	Dig & Replace Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	1037	01-Mar-15 A	15-Aug-17 A	Dig & Replace Specifications & Scope to MDWASD - 2015/2016 Fiscal Year																																	
CT30100	Dig & Replace Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2229)	10	01-Mar-15 A	10-Mar-15 A	Dig & Replace Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2229)																																	
CT30180	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	93	01-May-16 A	01-Aug-16 A	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year																																	
Construction					15-Aug-17 A, Construction																																	
CT30180	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	185	30-Jun-17 A	15-Aug-17 A	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year																																	

** EPA Interim Milestone date was missed.

Activity ID	Activity Name	Original Duration	Start	Finish	Timeline (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
Procurement					16-Jan-17 A, Procurement																																	
CT38000	Dig & Replace Contractor B Procurement - 2015/2016 Fiscal Year	232	01-Mar-15 A	18-Oct-15 A	& Replace Contractor B Procurement - 2015/2016 Fiscal Year																																	
CT30040	Dig & Replace Contractor A Procurement - 2015/2016 Fiscal Year	239	01-Mar-15 A	25-Oct-15 A	& Replace Contractor A Procurement - 2015/2016 Fiscal Year																																	
CT38010	Dig & Replace Contractor C Procurement - 2015/2016 Fiscal Year	324	01-Mar-15 A	18-Jan-16 A	Dig & Replace Contractor C Procurement - 2015/2016 Fiscal Year																																	
CT30130	Dig & Replace Contractor Procurement - 2016/2017 Fiscal Year (T2229)	168	02-Aug-16 A	16-Jan-17 A	Dig & Replace Contractor Procurement - 2016/2017 Fiscal Year (T2229)																																	
Construction					22-Jul-18, Construction																																	
CT38020	Dig & Replace Contract B (Construction) - 2015/2016 Fiscal Year	366	19-Oct-15 A	18-Oct-16 A	Dig & Replace Contract B (Construction) - 2015/2016 Fiscal Year																																	
CT30070	Dig & Replace Contract A (Construction) - 2015/2016 Fiscal Year	366	26-Oct-15 A	25-Oct-16 A	Dig & Replace Contract A (Construction) - 2015/2016 Fiscal Year																																	
CT38030	Dig & Replace Contract C (Construction) - 2015/2016 Fiscal Year	365	18-Jan-16 A	16-Jan-17 A	Dig & Replace Contract C (Construction) - 2015/2016 Fiscal Year																																	
CT30160	Dig & Replace Contract Countywide (Construction) - 2016/2017 Fiscal Year (T2229)	365	26-Jun-17 A	22-Jul-18	Dig & Replace Contract Countywide (Construction) - 2016/2017 Fiscal Year (T2229)																																	
Project Administration					25-Jan-18 A, Project Administration																																	
CT80730	WASD Project Administration - PMCM Dig & Replace I/I Repairs	3624	01-Mar-15 A	25-Jan-18 A	WASD Project Administration - PMCM Dig & Replace I/I Repairs																																	
4.01 (1.2) - PMCM SSES I/I					02-Jul-18, 4.01 (1.2) - PMCM SSES I/I																																	
Engineering Design					18-Aug-16 A, Engineering Design																																	
CT30030	SSES Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	10	01-Mar-15 A	10-Mar-15 A	SSES Specifications & Scope to MDWASD - 2015/2016 Fiscal Year																																	
CT30110	SSES Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2231)	74	06-Jun-16 A	18-Aug-16 A	SSES Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2231)																																	
Procurement					24-Feb-17 A, Procurement																																	
CT38040	SSES (CCTV) Procurement - 2015/2016 Fiscal Year	360	01-Mar-15 A	23-Feb-16 A	SSES (CCTV) Procurement - 2015/2016 Fiscal Year																																	
CT30140	SSES Contractor Procurement - 2016/2017 Fiscal Year (T2231)	191	18-Aug-16 A	24-Feb-17 A	SSES Contractor Procurement - 2016/2017 Fiscal Year (T2231)																																	
Construction					02-Jul-18, Construction																																	
CT38050	SSES Construction (CCTV) - 2015/2016 Fiscal Year (T2101)	366	14-Mar-16 A	14-Mar-17 A	SSES Construction (CCTV) - 2015/2016 Fiscal Year (T2101)																																	
CT30170	SSES Contract (Construction) - 2016/2017 Fiscal Year (T2231)	395	03-Apr-17 A	02-Jul-18	SSES Contract (Construction) - 2016/2017 Fiscal Year (T2231)																																	
Project Administration					28-Nov-17 A, Project Administration																																	
CT80740	WASD Project Administration - PMCM SSES I/I	1462	01-Mar-15 A	28-Nov-17 A	WASD Project Administration - PMCM SSES I/I																																	
4.01 (2) - PSIP Program I/I Repairs					31-Dec-16 A, 4.01 (2) - PSIP Program I/I Repairs																																	
Construction					31-Dec-16 A, Construction																																	
CT22790	Construction - PSIP Program I/I Repair (MDWASD)	1188	01-Oct-13 A	31-Dec-16 A	Construction - PSIP Program I/I Repair (MDWASD)																																	
Project Administration					31-Dec-16 A, Project Administration																																	
CT80750	WASD Project Administration - PSIP Program I/I Repair (MDWASD)	1188	01-Oct-13 A	31-Dec-16 A	WASD Project Administration - PSIP Program I/I Repair (MDWASD)																																	
4.01 (3) - MDWASD CM Team I/I Repairs					27-Sep-27																																	
Construction					27-Sep-27																																	
CT33301	Construction -MDWASD CM Team I/I Repair (MDWASD)	3736	01-Oct-13 A	27-Sep-27	Construction -MDWASD CM Team I/I Repair (MDWASD)																																	
Project Administration					27-Sep-27																																	
CT80760	WASD Project Administration -MDWASD CM Team I/I Repair (MDWASD)	3736	01-Oct-13 A	27-Sep-27	WASD Project Administration -MDWASD CM Team I/I Repair (MDWASD)																																	
4.01 (4) - WWCTLD WASD In-House I/I Repairs					27-Sep-27																																	
Construction					27-Sep-27																																	
CT33302	Construction - WWCTLD WASD In-House I/I Repair (MDWASD)	3742	01-Oct-13 A	27-Sep-27	Construction - WWCTLD WASD In-House I/I Repair (MDWASD)																																	
Project Administration					27-Sep-27																																	
CT80770	WASD Project Administration - WWCTLD WASD In-House I/I Repair (MDWASD)	3742	01-Oct-13 A	27-Sep-27	WASD Project Administration - WWCTLD WASD In-House I/I Repair (MDWASD)																																	
4.02 Government Cut FM - Phase 1&2					30-Sep-13 A																																	
Construction					30-Sep-13 A																																	
CT71240	EPA Start Date for Construction - Government Cut FM Phase 1 & 2	0	01-Oct-12 A	30-Sep-13 A	Government Cut FM Phase 1 & 2																																	
CT10010	Construction - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A	Construction - Government Cut FM Phase 1 & 2																																	
CT10030	Substantial Completion (CD Compliance Date 9/30/13) - Government Cut FM Phase 1 & 2	0		30-Sep-13 A	Substantial Completion (CD Compliance Date 9/30/13) - Government Cut FM Phase 1 & 2																																	
CT50600	EPA Compliance Date for Construction - Government Cut FM Phase 1 & 2	0		30-Sep-13 A	EPA Compliance Date for Construction - Government Cut FM Phase 1 & 2																																	
Project Administration					30-Sep-13 A																																	
CT80780	WASD Project Administration - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A	WASD Project Administration - Government Cut FM Phase 1 & 2																																	
4.03 Government Cut FM - Phase 3					08-Apr-17 A, 4.03 Government Cut FM - Phase 3																																	
Engineering Design					22-Jan-14 A																																	
CT71250	EPA Start Date for Engineering Design - Government Cut FM Phase 3	0	30-Jan-13 A	22-Jan-14 A	Government Cut FM Phase 3																																	
CT10000	Engineering Design (DCP) - Government Cut FM Phase 3	358	30-Jan-13 A	22-Jan-14 A	Engineering Design (DCP) - Government Cut FM Phase 3																																	
CT50610	EPA Compliance Date for Engineering Design - Government Cut FM Phase 3	0		22-Jan-14 A	EPA Compliance Date for Engineering Design - Government Cut FM Phase 3																																	
Procurement					07-May-15 A																																	
CT10170	Procurement - Government Cut FM Phase 3	798	28-Feb-13 A	07-May-15 A	Procurement - Government Cut FM Phase 3																																	
CT71260	EPA Start Date for Procurement - Government Cut FM Phase 3	329	28-Feb-13 A	22-Jan-14 A	EPA Start Date for Procurement - Government Cut FM Phase 3																																	
CT50620	EPA Compliance Date for Procurement - Government Cut FM Phase 3	0		07-May-15 A	EPA Compliance Date for Procurement - Government Cut FM Phase 3																																	
Design-Build					08-Apr-17 A																																	
CT71270	EPA Start Date for Construction - Government Cut FM Phase 3	1171	23-Jan-14 A	08-Apr-17 A	Design-Build																																	
CT10020	Permitting - Government Cut FM Phase 3	444	02-May-14 A	19-Jul-15 A	Permitting - Government Cut FM Phase 3																																	
CT22250	Final Design (Design-Builder) - Government Cut FM Phase 3	589	23-Jan-14 A	03-Sep-15 A	Final Design (Design-Builder) - Government Cut FM Phase 3																																	
CT10250	Construction - Government Cut FM Phase 3	916	23-May-14 A	23-Nov-16 A	Construction - Government Cut FM Phase 3																																	
CT10360	Substantial Completion (CD Compliance Date 4/08/17) - Government Cut FM Phase 3	0		23-Nov-16 A	Substantial Completion (CD Compliance Date 4/08/17) - Government Cut FM Phase 3																																	
CT40380	Project Closeout - Government Cut FM Phase 3	90	24-Nov-16 A	21-Feb-17 A	Project Closeout - Government Cut FM Phase 3																																	
CT50630	EPA Compliance Date for Construction - Government Cut FM Phase 3	0		08-Apr-17 A	EPA Compliance Date for Construction - Government Cut FM Phase 3																																	
Project Administration					21-Feb-17 A, Project Administration																																	
CT38440	WASD Project Administration - Government Cut FM Phase 3	1483	30-Jan-13 A	21-Feb-17 A	WASD Project Administration - Government Cut FM Phase 3																																	
4.04 North Dade 72 inch PCCP FM Rehabilitation					05-Mar-18 A, 4.04 North Dade 72 inch PCCP FM Rehabilitation																																	
Engineering Design					06-Mar-14 A																																	
CT71290	EPA Start Date for Engineering Design - North Dade 72" PCCP FM Rehab	297	13-May-13 A	06-Mar-14 A	North Dade 72 inch PCCP FM Rehabilitation																																	
CT10050	Engineering Design (DCP) - North Dade 72" PCCP FM Rehab	279	13-May-13 A	15-Feb-14 A	Engineering Design (DCP) - North Dade 72" PCCP FM Rehab																																	

** EPA Interim Milestone date was missed.

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
CT50640	EPA Compliance Date for Engineering Design - North Dade 72" PCCP FM Rehab	0		06-Mar-14 A																																				
Permitting					North Dade 72" PCCP FM Rehab																																			
CT71300	EPA Start Date for Permitting - North Dade 72" PCCP FM Rehab	0	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																																				
Procurement					North Dade 72" PCCP FM Rehab																																			
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																																				
Design-Build					North Dade 72" PCCP FM Rehab																																			
CT22240	Final Design (Design-Builder) - North Dade 72" PCCP FM Rehab	179	10-Mar-15 A	04-Sep-15 A																																				
CT10310	Construction - North Dade 72" PCCP FM Rehab	219	30-Sep-15 A	05-May-16 A																																				
CT10410	Substantial Completion (CD Compliance Date 3/05/18) - North Dade 72" PCCP FM Rehab	0		05-May-16 A																																				
CT40390	Project Closeout - North Dade 72" PCCP FM Rehab	240	06-May-16 A	31-Dec-16 A																																				
CT71320	EPA Start Date for Construction - North Dade 72" PCCP FM Rehab	0	09-Jul-17 A																																					
CT50670	EPA Compliance Date for Construction - North Dade 72" PCCP FM Rehab	0		05-Mar-18 A																																				
Project Administration					North Dade 72" PCCP FM Rehab																																			
CT38430	WASD Project Administration - North Dade 72" PCCP FM Rehab	1328	13-May-13 A	31-Dec-16 A																																				
4.05 South Dade 54 inch PCCP FM Rehabilitation					South Dade 54 inch PCCP FM Rehabilitation																																			
Engineering Design					South Dade 54 inch PCCP FM Rehabilitation																																			
CT71330	EPA Start Date for Engineering Design - South Dade 54" PCCP FM Rehab**	0	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																																				
Permitting					South Dade 54" PCCP FM Rehab																																			
CT71340	EPA Start Date for Permitting - South Dade 54" PCCP FM Rehab	0	04-Jan-16 A																																					
CT10160	Permitting - South Dade 54" PCCP FM Rehab	129	14-Oct-15 A	19-Feb-16 A																																				
CT50690	EPA Compliance Date for Permitting - South Dade 54" PCCP FM Rehab	0		02-Jan-17 A																																				
Procurement					South Dade 54" PCCP FM Rehab																																			
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	116	03-Jun-16 A	26-Sep-16 A																																				
CT50700	EPA Compliance Date for Procurement - South Dade 54" PCCP FM Rehab	0		15-Dec-16 A																																				
Construction					South Dade 54" PCCP FM Rehab																																			
CT71360	EPA Start Date for Construction - South Dade 54" PCCP FM Rehab	0	16-Dec-16 A																																					
CT10320	Construction - South Dade 54" PCCP FM Rehab	428	26-Sep-16 A	23-Aug-18																																				
CT10390	Substantial Completion (CD Compliance Date 12/23/18) - South Dade 54" PCCP FM Rehab	0		23-Aug-18*																																				
CT50710	EPA Compliance Date for Construction - South Dade 54" PCCP FM Rehab	0		23-Dec-18*																																				
4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)					4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)																																			
Engineering Design					4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)																																			
CT12001	30% Design Submittal - 48/54 Inch FM (Phase 1)	208	05-Aug-14 A	28-Feb-15 A																																				
CT22220	30% Submittal Review - 48/54 Inch FM (Phase 1)	137	02-Mar-15 A	16-Jul-15 A																																				
CT22230	60% Design Submittal - 48/54 Inch FM (Phase 1)	14	11-Jul-15 A	24-Jul-15 A																																				
CT22610	60% Design Review - 48/54 Inch FM (Phase 1)	19	25-Jul-15 A	12-Aug-15 A																																				
CT22570	90% Design Submittal - 48/54 Inch FM (Phase 1)	30	13-Aug-15 A	11-Sep-15 A																																				
CT80410	Engineering Design - 48/54 Inch FM (Phase 1)	423	05-Aug-14 A	01-Oct-15 A																																				
CT38110	90% Submittal Review - 48/54 Inch FM (Phase 1)	18	14-Sep-15 A	01-Oct-15 A																																				
Permitting					4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)																																			
CT12021	Permitting - 48/54 Inch FM (Phase 1)	129	14-Oct-15 A	19-Feb-16 A																																				
Procurement					4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)																																			
CT30011	Submit/Approve SBD Goals and Request to Advertise - 48/54 Inch FM (Phase 1)	47	21-Mar-16 A	06-May-16 A																																				
CT38060	Pre-Purchase Bid Package - 48/54 Inch FM (Phase 1)	39	25-Apr-16 A	02-Jun-16 A																																				
CT30001	Design Documents Sent to Procurement - 48/54 Inch FM (Phase 1)	0	03-Jun-16 A																																					
CT38070	Advertise Pre-Purchase Package - 48/54 Inch FM (Phase 1)	0	03-Jun-16 A																																					
CT30021	Advertise Bid Package - 48/54 Inch FM (Phase 1)	0	17-Jun-16 A																																					
CT30031	Bid Solicitation Period - 48/54 Inch FM (Phase 1)	40	17-Jun-16 A	26-Jul-16 A																																				
CT30041	Bids Due - 48/54 Inch FM (Phase 1)	0	27-Jul-16 A																																					
CT38100	Vendor Bid & Award - 48/54 Inch FM (Phase 1)	56	03-Jun-16 A	28-Jul-16 A																																				
CT38080	Vendor NTP - 48/54 Inch FM (Phase 1)	0		28-Jul-16 A																																				
CT30051	Bid Review Period - 48/54 Inch FM (Phase 1)	48	27-Jul-16 A	12-Sep-16 A																																				
CT30061	Award Recommendation - 48/54 Inch FM (Phase 1)	0		12-Sep-16 A																																				
CT12011	Procurement - 48/54 Inch FM (Phase 1)	116	03-Jun-16 A	26-Sep-16 A																																				
CT30071	Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)	14	13-Sep-16 A	26-Sep-16 A																																				
CT30270	Pre-Purchase 54" Pipe & Valves - 48/54 Inch FM (Phase 1)	528	25-Apr-16 A	30-Oct-17 A																																				
CT38090	Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings - 48/54 Inch FM (Phase 1)	433	29-Jul-16 A	30-Oct-17 A																																				
Construction					4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)																																			
CT30081	Contractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)	0	19-Oct-16 A																																					
CT12091	Transfer of 4.05(2) to WASD - 8/54 Inch FM	0		02-Dec-16 A																																				
CT12031	Construction - 48/54 Inch FM (Phase 1)	405	19-Oct-16 A	23-Aug-18																																				
CT81120	Commissioning - 48/54 Inch FM (Phase 1)	30	25-Jul-18	23-Aug-18																																				
CT12041	Substantial Completion Phase 1 (CD Compliance Date 12/23/18) - 48/54 Inch FM (Phase 1)	0		23-Aug-18*																																				
CT40400	Project Closeout - 48/54 Inch FM (Phase 1)	90	24-Aug-18	21-Nov-18*																																				

** EPA Interim Milestone date was missed.

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
Project Administration					21-Nov-18, Project Administration																																	
CT38420	WASD Project Administration - 48/54 Inch FM (Phase 1)	1301	05-Aug-14 A	21-Nov-18	WASD Project Administration - 48/54 Inch FM (Phase 1)																																	
4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave					29-Oct-16 A, 4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave																																	
Engineering Design					29-Oct-16 A, 4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave																																	
CT10040	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	387	11-Dec-12 A	02-Jan-14 A	37 Ave Crossing																																	
CT71370	EPA Start Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	91	11-Dec-12 A	11-Mar-13 A	Tamiami Canal/NW 37 Ave Crossing																																	
CT50720	EPA Compliance Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	0	01-Oct-13 A		Replace Tamiami Canal/NW 37 Ave Crossing																																	
Permitting					02-Jan-16 A, Procurement																																	
CT10120	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	661	12-Mar-13 A	02-Jan-15 A	Tamiami Canal/NW 37 Ave Crossing																																	
CT71380	EPA Start Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	61	12-Mar-13 A	11-May-13 A	Canal/NW 37 Ave Crossing																																	
CT50730	EPA Compliance Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-14 A		Procurement - Replace Tamiami Canal/NW 37 Ave Crossing																																	
Procurement					02-Jan-16 A, Procurement																																	
CT10200	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	964	13-May-13 A	02-Jan-16 A	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing																																	
CT71390	EPA Start Date for 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																																	
CT50740	EPA Compliance Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-15 A		Procurement - Replace Tamiami Canal/NW 37 Ave Crossing																																	
Construction					29-Oct-16 A, Construction																																	
CT10280	Construction - Replace Tamiami Canal/NW 37 Ave Crossing	1118	07-Oct-13 A	29-Oct-16 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	233	07-Oct-13 A	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																																	
Project Administration					27-May-14 A																																	
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																																	
4.07 Replacement of 18 inch DIP FM in Miami Lakes					09-Apr-17 A, 4.07 Replacement of 18 inch DIP FM in Miami Lakes																																	
Engineering Design					09-Apr-17 A, 4.07 Replacement of 18 inch DIP FM in Miami Lakes																																	
CT71410	EPA Start Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	788	11-Mar-12 A	08-May-14 A	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	18" DIP FM in Miami Lakes																																	
CT50760	EPA Compliance Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0	01-Nov-13 A		Design - Replace 18" DIP FM in Miami Lakes																																	
Permitting					05-Mar-15 A																																	
CT71420	EPA Start Date for Permitting - Replace 18" DIP FM in Miami Lakes	269	09-Jun-14 A	05-Mar-15 A	18" DIP FM in Miami Lakes																																	
CT10140	Permitting - Replace 18" DIP FM in Miami Lakes	137	09-Jun-14 A	23-Oct-14 A	18" DIP FM in Miami Lakes																																	
CT50770	EPA Compliance Date for Permitting - Replace 18" DIP FM in Miami Lakes	0	09-Jun-14 A		EPA Compliance Date for Permitting - Replace 18" DIP FM in Miami Lakes																																	
Procurement					04-Mar-16 A, Procurement																																	
CT71430	EPA Start Date for Procurement - Replace 18" DIP FM in Miami Lakes	497	24-Oct-14 A	04-Mar-16 A	Procurement - Replace 18" DIP FM in Miami Lakes																																	
CT10220	Procurement - Replace 18" DIP FM in Miami Lakes	221	24-Oct-14 A	01-Jun-15 A	Procurement - Replace 18" DIP FM in Miami Lakes																																	
CT50780	EPA Compliance Date for Procurement - Replace 18" DIP FM in Miami Lakes	0	06-Mar-15 A		EPA Compliance Date for Procurement - Replace 18" DIP FM in Miami Lakes																																	
Construction					09-Apr-17 A, Construction																																	
CT10300	Construction - Replace 18" DIP FM in Miami Lakes	677	02-Jun-15 A	09-Apr-17 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	189	02-Jun-15 A	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																																	
Project Administration					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																																	
4.08 Rehabilitation of 54 inch PCCP FM in the City					28-Nov-18, 4.08 Rehabilitation of 54 inch PCCP FM in the City																																	
Engineering Design					28-Nov-18, 4.08 Rehabilitation of 54 inch PCCP FM in the City																																	
CT71450	EPA Start Date for Engineering Design - Rehab 54" PCCP FM in the City**	401	06-Oct-14 A	11-Nov-15 A	Design - Rehab 54" PCCP FM in the City**																																	
CT50800	EPA Compliance Date for Engineering Design - Rehab 54" PCCP FM in the City**	0	06-Oct-14 A		Date for Engineering Design - Rehab 54" PCCP FM in the City**																																	
CT10080	Engineering Design (DCP) - Rehab 54" PCCP FM in the City	245	12-Mar-15 A	11-Nov-15 A	Engineering Design (DCP) - Rehab 54" PCCP FM in the City																																	
Permitting					29-Dec-15 A, Permitting																																	
CT71460	EPA Start Date for Permitting - Rehab 54" PCCP FM in the City**	269	04-Apr-15 A	29-Dec-15 A	Permitting - Rehab 54" PCCP FM in the City**																																	
CT10130	Permitting - Rehab 54" PCCP FM in the City	0	04-Apr-15 A		Permitting - Rehab 54" PCCP FM in the City																																	
CT50820	EPA Compliance Date for Permitting - Rehab 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	EPA Compliance Date for Permitting - Rehab 54" PCCP FM in the City																																	
Procurement					26-Sep-16 A, Procurement																																	
CT71470	EPA Start Date for Procurement - Rehab 54" PCCP FM in the City**	570	06-Mar-15 A	26-Sep-16 A	Procurement - Rehab 54" PCCP FM in the City**																																	
CT50810	10/25/18	0	06-Mar-15 A		10/25/18																																	
CT10210	Procurement - Rehab 54" PCCP FM in the City	248	23-Jan-16 A	26-Sep-16 A	Procurement - Rehab 54" PCCP FM in the City																																	
Construction					16-Jun-17 A, Construction																																	
CT71480	EPA Start Date for Construction - Rehab 54" PCCP FM in the City**	269	20-Sep-16 A	16-Jun-17 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	20-Sep-16 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																																	
4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)					16-Jun-17 A, 4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)																																	
Pre-Design					16-Jun-17 A, 4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)																																	
CT22070	Pre-Design - Rehab 2 Miles of 54" PCCP FM in the City	135	27-Oct-14 A	11-Mar-15 A	2 Miles of 54" PCCP FM in the City																																	
Engineering Design					18-Mar-16 A, Engineering Design																																	
CT22060	Basis of Design Report (BODR) - Rehab 2 Miles of 54" PCCP FM in the City	372	12-Mar-15 A	18-Mar-16 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	121	12-Mar-15 A	10-Jul-15 A	Design Report (BODR) - Rehab 2 Miles of 54" PCCP FM in the City																																	
CT38120	As-Built Design Submittal - Rehab 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A	Design Review - Rehab 2 Miles of 54" PCCP FM in the City																																	
CT37350	Negotiate Scope & Fee of Remaining Design - Rehab 2 Miles of 54" PCCP FM in the City	42	01-Oct-15 A	11-Nov-15 A	As-Built Design Submittal - Rehab 2 Miles of 54" PCCP FM in the City																																	
CT80420	Engineering Design - Rehab 2 Miles of 54" PCCP FM in the City	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																																	
CT22100	Develop Performance Specifications - 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																																	
		170	01-Oct-15 A	18-Mar-16 A	Develop Performance Specifications - Rehab 2 Miles of 54" PCCP FM in the City																																	

** EPA Interim Milestone date was missed.

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
Permitting					Permitting																				
CT22110	Permitting - Rehab 2 Miles of 54" PCCP FM in the City	11	11-Jul-15 A	22-Jul-15 A	Permitting - Rehab 2 Miles of 54" PCCP FM in the City																				
Procurement					Procurement																				
CT33021	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City	247	23-Jan-16 A	26-Sep-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	21	23-Jan-16 A	12-Feb-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	18-Apr-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	0	25-May-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	25-May-16 A	06-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	0	07-Jul-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	44	07-Jul-16 A	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	0	19-Aug-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	31	24-Aug-16 A	23-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	162	18-Apr-16 A	26-Sep-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP FM in the City																				
Construction					Construction																				
CT33091	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City	3	24-Sep-16 A	26-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	262	27-Sep-16 A	16-Jun-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																				
Project Administration					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																				
4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)					4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)																				
Pre-Design					Pre-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																				
Engineering Design					Engineering Design																				
CT22670	Basis of Design Report (BODR) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	136	27-Oct-14 A	11-Mar-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	372	12-Mar-15 A	18-Mar-16 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	121	12-Mar-15 A	10-Jul-15 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	12	11-Jul-15 A	22-Jul-15 A	Develop Performance Specifications - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
Permitting					Permitting																				
CT22740	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	373	12-Mar-15 A	18-Mar-16 A	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
Procurement					Procurement																				
CT35200	Submit/Approve SBD Goals and Request to Advertise - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	170	01-Oct-15 A	18-Mar-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	21	23-Jan-16 A	12-Feb-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	18-Apr-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	0	25-May-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	43	25-May-16 A	06-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	0	07-Jul-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	44	07-Jul-16 A	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	0	19-Aug-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	31	24-Aug-16 A	23-Sep-16 A	Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
CT35260	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
Construction					Construction																				
CT35270	Contractor Notice to Proceed (NTP) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	3	24-Sep-16 A	26-Sep-16 A	Contractor Notice to Proceed (NTP) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
CT22760	Construction Phase 2 - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	856	27-Sep-16 A	26-Nov-18	Construction Phase 2 - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
CT22770	Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	27-Sep-16 A		Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
CT40430	Project Closeout - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	365	01-Jan-18 A	28-Aug-18	Project Closeout - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
Project Administration					Project Administration																				
CT38380	WASD Project Administration - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	90	29-Aug-18	26-Nov-18*	WASD Project Administration - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City																				
4.09 Replace Approximately 30 miles of AC FM Transmission System					4.09 Replace Approximately 30 miles of AC FM Transmission System																				
Engineering Design					Engineering Design																				
CT71490	EPA Start Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	2087	28-Aug-12 A	26-Nov-18	EPA Start Date for Engineering Design - Replace ~30 miles of AC FM Trans System**																				
CT50840	EPA Compliance Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0	01-Nov-13 A		EPA Compliance Date for Engineering Design - Replace ~30 miles of AC FM Trans System**																				
CT10110	Engineering Design - Replace ~30 miles of AC FM Trans System	2087	28-Aug-12 A	26-Nov-18	Engineering Design - Replace ~30 miles of AC FM Trans System																				
Permitting					Permitting																				
CT71500	EPA Start Date for Permitting - Replace ~30 miles of AC FM Trans System**	1926	05-Aug-13 A	25-Jan-19	EPA Start Date for Permitting - Replace ~30 miles of AC FM Trans System**																				
CT50850	EPA Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System	0	10-Oct-14 A		EPA Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System																				
CT10190	Permitting - Replace ~30 miles of AC FM Trans System	1835	05-Aug-13 A	25-Jan-19	Permitting - Replace ~30 miles of AC FM Trans System																				
Procurement					Procurement																				
CT71510	EPA Start Date for Procurement - Replace ~30 miles of AC FM Trans System**	1943	16-Dec-13 A	25-May-19	EPA Start Date for Procurement - Replace ~30 miles of AC FM Trans System**																				
CT50860	EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System	0	10-Oct-15 A		EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System																				
CT10270	Procurement - Replace ~30 miles of AC FM Trans System	1750	16-Dec-13 A	25-May-19	Procurement - Replace ~30 miles of AC FM Trans System																				
Construction					Construction																				
CT71520	EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System	2379	14-Apr-14 A	17-Oct-20	EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System																				
CT10340	Construction - Replace ~30 miles of AC FM Trans System	0	09-Oct-16 A		Construction - Replace ~30 miles of AC FM Trans System																				
CT10420	Substantial Completion (CD Compliance Date 10/17/20) - Replace ~30 miles of AC FM Trans System	1935	14-Apr-14 A	20-Mar-20	Substantial Completion (CD Compliance Date 10/17/20) - Replace ~30 miles of AC FM Trans System																				
CT50880	EPA Compliance Date for Construction - Replace ~30 miles of AC FM Trans System	0	17-Oct-20*		EPA Compliance Date for Construction - Replace ~30 miles of AC FM Trans System																				
4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64) - Asbestos Concrete Pipe (ACP) Cut and Plug					4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64) - Asbestos Concrete Pipe (ACP) Cut and Plug																				
Pre-Design					Pre-Design																				
CT22260	Pre-Design - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64)	932	24-Oct-17 A	18-Jun-20	Pre-Design - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64)																				
Engineering Design					Engineering Design																				
CT80970	30% Design Submittal - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64)	89	24-Oct-17 A	03-Aug-18	30% Design Submittal - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64)																				

** EPA Interim Milestone date was missed.

Activity ID	Activity Name	Original Duration	Start	Finish	Timeline (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				
CT35320	Bids Due - 4.09 (6-7)	0	27-Jul-16 A			◆ Bids Due - 4.09 (6-7)																																
CT35330	Bid Review Period - 4.09 (6-7)	46	27-Jul-16 A	10-Sep-16 A		■ Bid Review Period - 4.09 (6-7)																																
CT35340	Award Recommendation - 4.09 (6-7)	0		10-Sep-16 A			◆ Award Recommendation - 4.09 (6-7)																															
CT35350	Final Approvals - 4.09 (6-7)	19	11-Sep-16 A	29-Sep-16 A			■ Final Approvals - 4.09 (6-7)																															
CT51010	P.O. Issued - 4.09 (6-7)	0		29-Sep-16 A			◆ P.O. Issued - 4.09 (6-7)																															
CT80450	Contractor Withdrew Bid - 4.09 (6-7)	0	25-Jan-17 A				◆ Contractor Withdrew Bid - 4.09 (6-7)																															
CT80460	Bid Review Period (Second Bidder) - 4.09 (6-7)	41	25-Jan-17 A	06-Mar-17 A			■ Bid Review Period (Second Bidder) - 4.09 (6-7)																															
CT80470	Award Recommendation (Second Bidder) - 4.09 (6-7)	0		06-Mar-17 A			◆ Award Recommendation (Second Bidder) - 4.09 (6-7)																															
CT12271	Procurement - 4.09 (6-7)	168	15-Apr-16 A	26-Jun-17 A																																		
CT80480	Final Approvals (Second Bidder) - 4.09 (6-7)	112	07-Mar-17 A	26-Jun-17 A			■ Final Approvals (Second Bidder) - 4.09 (6-7)																															
CT80490	P.O. Issued (Second Bidder) - 4.09 (6-7)	0		26-Jun-17 A			◆ P.O. Issued (Second Bidder) - 4.09 (6-7)																															
Construction					128	26-Jun-17 A	31-Jul-18																															
CT35360	Contractor Notice to Proceed (NTP) - 4.09 (6-7)	0	26-Jun-17 A				◆ Contractor Notice to Proceed (NTP) - 4.09 (6-7)																															
CT12281	Construction - 4.09 (6-7)	54	26-Jun-17 A	18-Aug-17 A			■ Construction - 4.09 (6-7)																															
CT12291	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (6-7)	0		18-Aug-17 A			◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (6-7)																															
CT40460	Project Closeout - 4.09 (6-7)	74	19-Aug-17 A	31-Jul-18*			■ Project Closeout - 4.09 (6-7)																															
Project Administration					950	27-Mar-15 A	31-Jul-18																															
CT38360	WASD Project Administration - 4.09 (6-7)	950	27-Mar-15 A	31-Jul-18			■ WASD Project Administration - 4.09 (6-7)																															
4.09 (9-13) Replacement of 6, 8 and 12" ACP FM Between PS#0385, PS#0374 and NW 119th St./37th Ave.					1075	28-Aug-12 A	07-Aug-15 A																															
Engineering Design					394	28-Aug-12 A	28-Feb-14 A																															
CT12301	Engineering Design - 4.09 (9-13)	394	28-Aug-12 A	28-Feb-14 A			■ Engineering Design - 4.09 (9-13)																															
Permitting					65	03-Mar-14 A	31-May-14 A																															
CT12311	Permitting - 4.09 (9-13)	65	03-Mar-14 A	31-May-14 A			■ Permitting - 4.09 (9-13)																															
Procurement					177	01-Jun-14 A	03-Feb-15 A																															
CT12321	Procurement - 4.09 (9-13)	177	01-Jun-14 A	03-Feb-15 A			■ Procurement - 4.09 (9-13)																															
Construction					185	04-Feb-15 A	07-Aug-15 A																															
CT12331	Construction - 4.09 (9-13)	133	04-Feb-15 A	07-Aug-15 A			■ Construction - 4.09 (9-13)																															
CT12341	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (9-13)	0		07-Aug-15 A			◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (9-13)																															
Project Administration					769	28-Aug-12 A	07-Aug-15 A																															
CT38490	WASD Project Administration - 4.09 (9-13)	769	28-Aug-12 A	07-Aug-15 A			■ WASD Project Administration - 4.09 (9-13)																															
4.09 (14-19) Replacement of 6, 8 & 10" ACP FM Around PS#0376, 0427, 0375, 0377 and 0368					1010	28-Aug-12 A	03-Jun-15 A																															
Engineering Design					415	28-Aug-12 A	31-Mar-14 A																															
CT12351	Engineering Design - 4.09 (14-19)	415	28-Aug-12 A	31-Mar-14 A			■ Engineering Design - 4.09 (14-19)																															
Permitting					65	01-Apr-14 A	30-Jun-14 A																															
CT12361	Permitting - 4.09 (14-19)	65	01-Apr-14 A	30-Jun-14 A			■ Permitting - 4.09 (14-19)																															
Procurement					164	01-Jul-14 A	15-Feb-15 A																															
CT12371	Procurement - 4.09 (14-19)	164	01-Jul-14 A	15-Feb-15 A			■ Procurement - 4.09 (14-19)																															
Construction					107	17-Feb-15 A	03-Jun-15 A																															
CT12381	Construction - 4.09 (14-19)	77	17-Feb-15 A	03-Jun-15 A			■ Construction - 4.09 (14-19)																															
CT12391	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (14-19)	0		03-Jun-15 A			◆ Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (14-19)																															
Project Administration					722	28-Aug-12 A	03-Jun-15 A																															
CT38520	WASD Project Administration - 4.09 (14-19)	722	28-Aug-12 A	03-Jun-15 A			■ WASD Project Administration - 4.09 (14-19)																															
4.09 (20-21) Replace 467LF 8" ACP FM from PS#0366 to NW42ndPI/199thTer. & 1792LF 10"-39thCu/199th St					1133	29-Aug-14 A	31-Jul-18																															
Pre-Design					244	29-Aug-14 A	30-Apr-15 A																															
CT20030	Pre-Design - 4.9 (20-21)	244	29-Aug-14 A	30-Apr-15 A			■ Pre-Design - 4.9 (20-21)																															
Engineering Design					152	30-Apr-15 A	29-Sep-15 A																															
CT31001	30% Design Submittal - 4.09 (20-21)	34	01-May-15 A	03-Jun-15 A			■ 30% Design Submittal - 4.09 (20-21)																															
CT31011	60% Design Submittal - 4.09 (20-21)	28	04-Jun-15 A	01-Jul-15 A			■ 60% Design Submittal - 4.09 (20-21)																															
CT31021	90% Design Submittal - 4.09 (20-21)	22	02-Jul-15 A	23-Jul-15 A			■ 90% Design Submittal - 4.09 (20-21)																															
CT12401	Engineering Design - 4.09 (20-21)	152	30-Apr-15 A	29-Sep-15 A			■ Engineering Design - 4.09 (20-21)																															
Permitting					83	29-Sep-15 A	21-Dec-15 A																															
CT12411	Permitting - 4.09 (20-21)	83	29-Sep-15 A	21-Dec-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
4.09 (22) Replacement of 2,013 LF of 6" ACP FM from PS#358 to PS#0352					28-Jul-18, 4.09 (22) Replacement of 2,013 LF of 6" ACP FM from PS#358 to PS#0352																																	
Pre-Design					Pre-Design																																	
CT22280	Pre-Design - 4.09 (22)	180	01-Nov-14 A	30-Apr-15 A	Pre-Design - 4.09 (22)																																	
Engineering Design					Engineering Design																																	
CT37360	30% Design Submittal - 4.09 (22)	87	01-May-15 A	27-Jul-15 A	30% Design Submittal - 4.09 (22)																																	
CT37370	60% Design Submittal - 4.09 (22)	29	01-May-15 A	29-May-15 A	60% Design Submittal - 4.09 (22)																																	
CT37380	90% Design Submittal - 4.09 (22)	26	01-Jun-15 A	26-Jun-15 A	90% Design Submittal - 4.09 (22)																																	
CT12451	Engineering Design - 4.09 (22)	29	29-Jun-15 A	27-Jul-15 A	Engineering Design - 4.09 (22)																																	
Permitting					Permitting																																	
CT12461	Permitting - 4.09 (22)	87	01-May-15 A	27-Jul-15 A	Permitting - 4.09 (22)																																	
Procurement					Procurement																																	
CT35460	Design Documents Sent to Procurement - 4.09 (22)	126	14-Aug-15 A	18-Dec-15 A	Design Documents Sent to Procurement - 4.09 (22)																																	
CT35470	Submit/Approve SBD Goals and Request to Advertise - 4.09 (22)	127	14-Aug-15 A	18-Dec-15 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (22)																																	
CT35480	Advertise Bid Package - 4.09 (22)	154	18-Dec-15 A	20-May-16 A	Advertise Bid Package - 4.09 (22)																																	
CT35490	Bid Solicitation Period - 4.09 (22)	0	18-Dec-15 A	06-Mar-16 A	Bid Solicitation Period - 4.09 (22)																																	
CT35500	Bids Due - 4.09 (22)	0	07-Mar-16 A	03-Apr-16 A	Bids Due - 4.09 (22)																																	
CT35510	Bid Review Period - 4.09 (22)	0	04-Apr-16 A	10-Apr-16 A	Bid Review Period - 4.09 (22)																																	
CT35520	Award Recommendation - 4.09 (22)	7	04-Apr-16 A	11-Apr-16 A	Award Recommendation - 4.09 (22)																																	
CT12471	Procurement - 4.09 (22)	0	18-Dec-15 A	20-May-16 A	Procurement - 4.09 (22)																																	
CT35530	Final Approvals - 4.09 (22)	155	12-Apr-16 A	20-May-16 A	Final Approvals - 4.09 (22)																																	
CT50970	P.O. Issued - 4.09 (22)	39	12-Apr-16 A	20-May-16 A	P.O. Issued - 4.09 (22)																																	
Construction					Construction																																	
CT35540	Contractor Notice to Proceed (NTP) - 4.09 (22)	363	03-Oct-16 A	28-Jul-18	Contractor Notice to Proceed (NTP) - 4.09 (22)																																	
CT12481	Construction - 4.09 (22)	0	03-Oct-16 A	01-Mar-17 A	Construction - 4.09 (22)																																	
CT12491	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (22)	150	03-Oct-16 A	01-Mar-17 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (22)																																	
CT40480	Project Closeout - 4.09 (22)	0	02-Mar-17 A	28-Jul-18*	Project Closeout - 4.09 (22)																																	
Project Administration					Project Administration																																	
CT38340	WASD Project Administration - 4.09 (22)	884	01-May-15 A	28-Jul-18	WASD Project Administration - 4.09 (22)																																	
4.09 (23) Replacement of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286LF Along 187 Ave.					13-Sep-18, 4.09 (23) Replacement of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286LF Along 187 Ave.																																	
Pre-Design					Pre-Design																																	
CT22290	Pre-Design - 4.09 (23)	194	03-Jun-15 A	14-Dec-15 A	Pre-Design - 4.09 (23)																																	
Engineering Design					Engineering Design																																	
CT35001	30% Design Submittal - 4.09 (23)	226	14-Dec-15 A	27-Jul-16 A	30% Design Submittal - 4.09 (23)																																	
CT35011	60% Design Submittal - 4.09 (23)	71	17-Dec-15 A	25-Feb-16 A	60% Design Submittal - 4.09 (23)																																	
CT12501	Engineering Design - 4.09 (23)	30	25-Feb-16 A	25-Mar-16 A	Engineering Design - 4.09 (23)																																	
CT35021	90% Design Submittal - 4.09 (23)	137	14-Dec-15 A	28-Apr-16 A	90% Design Submittal - 4.09 (23)																																	
CT50310	90% Design Review - 4.09 (23)	34	26-Mar-16 A	28-Apr-16 A	90% Design Review - 4.09 (23)																																	
CT50540	100% Design Submittal Permit Ready - 4.09 (23)	8	29-Apr-16 A	06-May-16 A	100% Design Submittal Permit Ready - 4.09 (23)																																	
Permitting					Permitting																																	
CT50230	Public Works Permit - 4.09 (23)	82	07-May-16 A	27-Jul-16 A	Public Works Permit - 4.09 (23)																																	
CT12511	Permitting - 4.09 (23)	92	28-Jul-16 A	28-Oct-16 A	Permitting - 4.09 (23)																																	
CT50220	RER DERM Permit - 4.09 (23)	93	28-Jul-16 A	28-Oct-16 A	RER DERM Permit - 4.09 (23)																																	
Procurement					Procurement																																	
CT80270	GMOU submittal and approval - 4.09 (23)	380	02-Dec-16 A	07-Dec-17 A	GMOU submittal and approval - 4.09 (23)																																	
CT80290	Internal Bid Package Review - 4.09 (23)	23	02-Dec-16 A	24-Dec-16 A	Internal Bid Package Review - 4.09 (23)																																	
CT35550	Design Documents Sent to Procurement - 4.09 (23)	6	16-Mar-17 A	21-Mar-17 A	Design Documents Sent to Procurement - 4.09 (23)																																	
CT35560	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)	29	21-Mar-17 A	18-Apr-17 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)																																	
CT35570	Advertise Bid Package - 4.09 (23)	0	19-Apr-17 A	13-Jun-17 A	Advertise Bid Package - 4.09 (23)																																	
CT35580	Bid Solicitation Period - 4.09 (23)	56	19-Apr-17 A	13-Jun-17 A	Bid Solicitation Period - 4.09 (23)																																	
CT35590	Bids Due - 4.09 (23)	0	14-Jun-17 A	02-Oct-17 A	Bids Due - 4.09 (23)																																	
CT35600	Bid Review Period - 4.09 (23)	125	14-Jun-17 A	02-Oct-17 A	Bid Review Period - 4.09 (23)																																	
CT35610	Award Recommendation - 4.09 (23)	0	02-Oct-17 A	07-Dec-17 A	Award Recommendation - 4.09 (23)																																	
CT12521	Procurement - 4.09 (23)	240	21-Mar-17 A	07-Dec-17 A	Procurement - 4.09 (23)																																	
CT35620	Final Approvals - 4.09 (23)	30	03-Oct-17 A	07-Dec-17 A	Final Approvals - 4.09 (23)																																	
Construction					Construction																																	
CT35630	Contractor Notice to Proceed (NTP) - 4.09 (23)	292	03-Jan-18 A	13-Sep-18	Contractor Notice to Proceed (NTP) - 4.09 (23)																																	
CT12531	Construction - 4.09 (23)	0	03-Jan-18 A	15-Jun-18 A	Construction - 4.09 (23)																																	
CT12541	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (23)	230	03-Jan-18 A	15-Jun-18 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (23)																																	
CT40490	Project Closeout - 4.09 (23)	90	16-Jun-18 A	13-Sep-18*	Project Closeout - 4.09 (23)																																	
Project Administration					Project Administration																																	
CT38330	WASD Project Administration - 4.09 (23)	1020	17-Dec-15 A	13-Sep-18	WASD Project Administration - 4.09 (23)																																	
4.09 (24) Replacement of 840 LF of 8" ACP FM Along NW 49th Ct. from PS#0353 to NW 177th St.					30-Sep-17 A, 4.09 (24) Replacement of 840 LF of 8" ACP FM Along NW 49th Ct. from PS#0353 to NW 177th St.																																	
Pre-Design					Pre-Design																																	
CT22300	Pre-Design - 4.09 (24)	141	01-Nov-14 A	22-Mar-15 A	Pre-Design - 4.09 (24)																																	
Engineering Design					Engineering Design																																	
CT12551	Engineering Design - 4.09 (24)	332	23-Mar-15 A	18-Feb-16 A	Engineering Design - 4.09 (24)																																	
Permitting					Permitting																																	
CT12561	Permitting - 4.09 (24)	333	23-Mar-15 A	18-Feb-16 A	Permitting - 4.09 (24)																																	
Procurement					Procurement																																	
CT35640	Design Documents Sent to Procurement - 4.09 (24)	41	19-Feb-16 A	31-Mar-16 A	Design Documents Sent to Procurement - 4.09 (24)																																	

** EPA Interim Milestone date was missed.

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
CT38280	WASD Project Administration - 4.09 (29-31)	1522	30-Sep-14 A	18-Apr-19	WASD Project Administration - 4.09 (29-31)																																	
4.09 (32) Replacement of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd					4.09 (32) Replacement of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandale Blvd																																	
Pre-Design					Pre-Design																																	
CT22340	Pre-Design - 4.09 (32)	155	26-Nov-14 A	30-Apr-15 A	Pre-Design - 4.09 (32)																																	
Engineering Design					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)																																	
Permitting					Permitting																																	
CT12811	Permitting - 4.09 (32)	85	28-Sep-15 A	21-Dec-15 A	Permitting - 4.09 (32)																																	
Procurement					Procurement																																	
CT36000	Design Documents Sent to Procurement - 4.09 (32)	0	22-Dec-15 A	22-Aug-16 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	13-Apr-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	13-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	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	30-Jul-18	P.O. Issued - 4.09 (32)																																	
Construction					Construction																																	
CT36080	Contractor Notice to Proceed (NTP) - 4.09 (32)	0	14-Feb-17 A	30-Jul-18	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	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	30-Jul-18*	Project Closeout - 4.09 (32)																																	
Project Administration					Project Administration																																	
CT38270	WASD Project Administration - 4.09 (32)	987	01-May-15 A	30-Jul-18	WASD Project Administration - 4.09 (32)																																	
4.09 (33) Replace 1701 LF 4" ACP from PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.					4.09 (33) Replace 1701 LF 4" ACP from PVT PS at SW104th Ave. & 169th St. to MH42 at SW103rd Ave.																																	
Engineering Design					Engineering Design																																	
CT12851	Engineering Design - 4.09 (33)	73	12-Feb-16 A	25-Apr-16 A	Engineering Design - 4.09 (33)																																	
Permitting					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)																																	
Construction					Construction																																	
CT12881	Construction (WASD In House) - 4.09 (33)	12	01-Aug-16 A	12-Aug-16 A	Construction (WASD In House) - 4.09 (33)																																	
CT12891	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (33)	0	12-Aug-16 A	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	22-Jul-18*	Project Closeout - 4.09 (33)																																	
Project Administration					Project Administration																																	
CT38260	WASD Project Administration - 4.09 (33)	23	30-Jun-18	22-Jul-18	WASD Project Administration - 4.09 (33)																																	
4.09 (34-43) Replace ACP DM with 8" & 12" DI FM from SW108 Pl/SW177 St to SW95 Ave/SW163 St.					4.09 (34-43) Replace ACP DM with 8" & 12" DI FM from SW108 Pl/SW177 St to SW95 Ave/SW163 St.																																	
Pre-Design					Pre-Design																																	
CT22370	Pre-Design - 4.09 (34-43)	338	21-Oct-15 A	23-Sep-16 A	Pre-Design - 4.09 (34-43)																																	
Engineering Design					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)																																	
Permitting					Permitting																																	
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	26-May-17 A	Submittal of Municipality Permit - 4.09 (34-43)																																	
CT12961	Permitting - 4.09 (34-43)	220	10-Mar-17 A	25-Jul-18	Permitting - 4.09 (34-43)																																	
CT50550	RER (DERM) Permit - 4.09 (34-43)	45	15-Aug-17 A	25-Jul-18	RER (DERM) Permit - 4.09 (34-43)																																	
Procurement					Procurement																																	
CT80190	Internal Bid Package Review - 4.09 (34-43)	3	21-May-18 A	08-Jul-18	Internal Bid Package Review - 4.09 (34-43)																																	
CT36180	Design Documents Sent to Procurement - 4.09 (34-43)	0	09-Jul-18	22-Aug-18	Design Documents Sent to Procurement - 4.09 (34-43)																																	
CT36190	Submit/Approve SBD Goals and Request to Advertise - 4.09 (34-43)	45	09-Jul-18	22-Aug-18	Submit/Approve SBD Goals and Request to Advertise - 4.09 (34-43)																																	
CT36200	Advertise Bid Package - 4.09 (34-43)	0	23-Aug-18	06-Oct-18	Advertise Bid Package - 4.09 (34-43)																																	
CT36210	Bid Solicitation Period - 4.09 (34-43)	45	23-Aug-18	06-Oct-18	Bid Solicitation Period - 4.09 (34-43)																																	
CT36220	Bids Due - 4.09 (34-43)	0	07-Oct-18	05-Nov-18	Bids Due - 4.09 (34-43)																																	
CT36230	Bid Review Period - 4.09 (34-43)	30	07-Oct-18	05-Nov-18	Bid Review Period - 4.09 (34-43)																																	
CT36240	Award Recommendation - 4.09 (34-43)	0	05-Nov-18	05-Nov-18	Award Recommendation - 4.09 (34-43)																																	

** EPA Interim Milestone date was missed.

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
CT12971	Procurement - 4.09 (34-43)	210	09-Jul-18	03-Feb-19																										
CT36250	Final Approvals - 4.09 (34-43)	90	06-Nov-18	03-Feb-19																										
Construction					450	04-Feb-19	28-Apr-20																							
CT36260	Contractor Notice to Proceed (NTP) - 4.09 (34-43)	0	04-Feb-19																											
CT12981	Construction - 4.09 (34-43)	400	04-Feb-19	09-Mar-20																										
CT12991	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (34-43)	0		09-Mar-20*																										
CT40570	Project Closeout - 4.09 (34-43)	50	10-Mar-20	28-Apr-20*																										
Project Administration					1005	23-Sep-16 A	28-Apr-20																							
CT38250	WASD Project Administration - 4.09 (34-43)	1005	23-Sep-16 A	28-Apr-20																										
4.09 (46) Replacement of 157 LF of 6" ACP FM from SW107th Ct/155th St to SW 107th Ave./15th St.					1792	03-Jun-15 A	28-Apr-20																							
Pre-Design					478	03-Jun-15 A	23-Sep-16 A																							
CT22400	Pre-Design - 4.09 (46)	479	03-Jun-15 A	23-Sep-16 A																										
Engineering Design					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																										
CT50450	30% Design Review - 4.09 (46)	37	22-Dec-16 A	27-Jan-17 A																										
CT37920	60% Design Submittal - 4.09 (46)	39	28-Jan-17 A	07-Mar-17 A																										
CT50460	60% Design Review - 4.09 (46)	48	08-Mar-17 A	24-Apr-17 A																										
CT37930	90% Design Submittal - 4.09 (46)	42	25-Apr-17 A	05-Jun-17 A																										
CT50470	90% Design Review - 4.09 (46)	148	06-Jun-17 A	20-Oct-17 A																										
CT13101	Engineering Design - 4.09 (46)	431	23-Sep-16 A	30-Apr-18 A																										
CT80520	100% Design/Permit Ready Submittal - 4.09 (46)	27	21-Oct-17 A	30-Apr-18 A																										
Permitting					189	10-Mar-17 A	25-Jul-18																							
CT50580	Public Works Permit - 4.09 (46)	90	10-Mar-17 A	11-Apr-17 A																										
CT13111	Permitting - 4.09 (46)	90	10-Mar-17 A	25-Jul-18																										
CT50570	RER (DERM) Permit - 4.09 (46)	45	08-Jun-18 A	25-Jul-18																										
Procurement					538	15-Aug-17 A	03-Feb-19																							
CT80310	GMOU submittal and approval - 4.09 (46)	22	15-Aug-17 A	05-Sep-17 A																										
CT80200	Internal Bid Package Review - 4.09 (46)	3	21-May-18 A	08-Jul-18																										
CT36270	Design Documents Sent to Procurement - 4.09 (46)	0	09-Jul-18																											
CT36280	Submit/Approve SBD Goals and Request to Advertise - 4.09 (46)	45	09-Jul-18	22-Aug-18																										
CT36290	Advertise Bid Package - 4.09 (46)	0	23-Aug-18																											
CT36300	Bid Solicitation Period - 4.09 (46)	45	23-Aug-18	06-Oct-18																										
CT36310	Bids Due - 4.09 (46)	0	07-Oct-18																											
CT36320	Bid Review Period - 4.09 (46)	30	07-Oct-18	05-Nov-18																										
CT36330	Award Recommendation - 4.09 (46)	0		05-Nov-18																										
CT13121	Procurement - 4.09 (46)	210	09-Jul-18	03-Feb-19																										
CT36340	Final Approvals - 4.09 (46)	90	06-Nov-18	03-Feb-19																										
Construction					450	04-Feb-19	28-Apr-20																							
CT36350	Contractor Notice to Proceed (NTP) - 4.09 (46)	0	04-Feb-19																											
CT13131	Construction - 4.09 (46)	400	04-Feb-19	09-Mar-20																										
CT13191	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (46)	0		09-Mar-20*																										
CT40590	Project Closeout - 4.09 (46)	50	10-Mar-20	28-Apr-20*																										
Project Administration					839	23-Sep-16 A	28-Apr-20																							
CT38240	WASD Project Administration - 4.09 (46)	839	23-Sep-16 A	28-Apr-20																										
4.09 (47) Replacement of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.					962	12-Feb-15 A	31-Jul-18																							
Pre-Design					77	12-Feb-15 A	30-Apr-15 A																							
CT22410	Pre-Design - 4.09 (47)	78	12-Feb-15 A	30-Apr-15 A																										
Engineering Design					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																										
CT37460	60% Design Submittal - 4.09 (47)	37	24-Jun-15 A	30-Jul-15 A																										
CT13151	Engineering Design - 4.09 (47)	138	01-May-15 A	15-Sep-15 A																										
CT37470	90% Design Submittal - 4.09 (47)	44	03-Aug-15 A	15-Sep-15 A																										
Permitting					83	29-Sep-15 A	21-Dec-15 A																							
CT13161	Permitting - 4.09 (47)	84	29-Sep-15 A	21-Dec-15 A																										
Procurement					157	22-Dec-15 A	27-May-16 A																							
CT36360	Design Documents Sent to Procurement - 4.09 (47)	0	22-Dec-15 A																											
CT36370	Submit/Approve SBD Goals and Request to Advertise - 4.09 (47)	84	22-Dec-15 A	14-Mar-16 A																										
CT36380	Advertise Bid Package - 4.09 (47)	0	15-Mar-16 A																											
CT36390	Bid Solicitation Period - 4.09 (47)	30	15-Mar-16 A	13-Apr-16 A																										
CT36400	Bids Due - 4.09 (47)	0	14-Apr-16 A																											
CT36410	Bid Review Period - 4.09 (47)	15	14-Apr-16 A	28-Apr-16 A																										
CT36420	Award Recommendation - 4.09 (47)	0		28-Apr-16 A																										
CT13171	Procurement - 4.09 (47)	158	22-Dec-15 A	27-May-16 A																										
CT36430	Final Approvals - 4.09 (47)	29	29-Apr-16 A	27-May-16 A																										
Construction					370	26-Sep-16 A	31-Jul-18																							
CT36440	Contractor Notice to Proceed (NTP) - 4.09 (47)	0	26-Sep-16 A																											
CT13141	Construction - 4.09 (47)	129	26-Sep-16 A	01-Feb-17 A																										
CT13181	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (47)	0		01-Feb-17 A																										
CT40600	Project Closeout - 4.09 (47)	241	02-Feb-17 A	31-Jul-18*																										
Project Administration					884	01-May-15 A	31-Jul-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	Q3	Q4
CT38230	WASD Project Administration - 4.09 (47)	884	01-May-15 A	31-Jul-18	WASD Project Administration - 4.09 (47)																																			
4.09 (48-53, 63) Replace 8" & 10" ACP FM with 16", 12" & 8" DIP - SW142 Ave/SW288St to SW123Ct/258St					1715	10-Jun-15 A	18-Feb-20	18-Feb-20, 4.09 (48-53, 63) Replace 8" & 10" ACP FM with 16", 12" & 8" DIP - SW142 Ave/SW288St to SW123Ct/258St																																
Pre-Design					195	10-Jun-15 A	22-Dec-15 A	22-Dec-15 A, Pre-Design																																
CT22450	Pre-Design - 4.09 (48-53, 63)	196	10-Jun-15 A	22-Dec-15 A	Pre-Design - 4.09 (48-53, 63)																																			
Engineering Design					602	22-Dec-15 A	15-Aug-17 A	15-Aug-17 A, Engineering Design																																
CT37940	30% Design Submittal - 4.09 (48-53, 63)	31	14-Mar-16 A	13-Apr-16 A	30% Design Submittal - 4.09 (48-53, 63)																																			
CT50330	30% Design Review - 4.09 (48-53, 63)	7	14-Apr-16 A	20-Apr-16 A	30% Design Review - 4.09 (48-53, 63)																																			
CT37950	60% Design Submittal - 4.09 (48-53, 63)	44	21-Apr-16 A	03-Jun-16 A	60% Design Submittal - 4.09 (48-53, 63)																																			
CT50340	60% Design Review - 4.09 (48-53, 63)	6	04-Jun-16 A	09-Jun-16 A	60% Design Review - 4.09 (48-53, 63)																																			
CT37960	90% Design Submittal - 4.09 (48-53, 63)	246	10-Jun-16 A	10-Feb-17 A	90% Design Submittal - 4.09 (48-53, 63)																																			
CT50350	90% Design Review - 4.09 (48-53, 63)	133	11-Feb-17 A	23-Jun-17 A	90% Design Review - 4.09 (48-53, 63)																																			
CT13351	Engineering Design - 4.09 (48-53, 63)	603	22-Dec-15 A	15-Aug-17 A	Engineering Design - 4.09 (48-53, 63)																																			
CT80710	100% Design/Permit Ready Submittal - 4.09 (48-53, 63)	53	24-Jun-17 A	15-Aug-17 A	100% Design/Permit Ready Submittal - 4.09 (48-53, 63)																																			
Permitting					132	16-Aug-17 A	24-May-18 A	16-Aug-17 A, Permitting																																
CT80830	Public Works Permit - 4.09 (48-53, 63)	97	20-Sep-17 A	30-Sep-17 A	Public Works Permit - 4.09 (48-53, 63)																																			
CT13361	Permitting - 4.09 (48-53, 63)	132	16-Aug-17 A	24-May-18 A	Permitting - 4.09 (48-53, 63)																																			
CT80820	RER/DERM Permit - 4.09 (48-53, 63)	132	16-Aug-17 A	24-May-18 A	RER/DERM Permit - 4.09 (48-53, 63)																																			
Procurement					446	15-Aug-17 A	16-Oct-18	16-Oct-18, Procurement																																
CT80320	GMOU submittal and approval - 4.09 (48-53, 63)	22	15-Aug-17 A	05-Sep-17 A	GMOU submittal and approval - 4.09 (48-53, 63)																																			
CT80210	Internal Bid Package Review - 4.09 (48-53, 63)	7	04-May-18 A	09-May-18 A	Internal Bid Package Review - 4.09 (48-53, 63)																																			
CT36450	Design Documents Sent to Procurement - 4.09 (48-53, 63)	0	10-May-18 A		Design Documents Sent to Procurement - 4.09 (48-53, 63)																																			
CT36460	Submit/Approve SBD Goals and Request to Advertise - 4.09 (48-53, 63)	30	10-May-18 A	04-Jun-18 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (48-53, 63)																																			
CT36470	Advertise Bid Package - 4.09 (48-53, 63)	0	05-Jun-18 A		Advertise Bid Package - 4.09 (48-53, 63)																																			
CT36480	Bid Solicitation Period - 4.09 (48-53, 63)	45	05-Jun-18 A	18-Jul-18	Bid Solicitation Period - 4.09 (48-53, 63)																																			
CT36490	Bids Due - 4.09 (48-53, 63)	0	19-Jul-18		Bids Due - 4.09 (48-53, 63)																																			
CT36500	Bid Review Period - 4.09 (48-53, 63)	30	19-Jul-18	17-Aug-18	Bid Review Period - 4.09 (48-53, 63)																																			
CT36510	Award Recommendation - 4.09 (48-53, 63)	0		17-Aug-18	Award Recommendation - 4.09 (48-53, 63)																																			
CT13371	Procurement - 4.09 (48-53, 63)	150	10-May-18 A	16-Oct-18	Procurement - 4.09 (48-53, 63)																																			
CT36520	Final Approvals - 4.09 (48-53, 63)	60	18-Aug-18	16-Oct-18	Final Approvals - 4.09 (48-53, 63)																																			
Construction					490	17-Oct-18	18-Feb-20	18-Feb-20, Construction																																
CT36530	Contractor Notice to Proceed (NTP) - 4.09 (48-53, 63)	0	17-Oct-18		Contractor Notice to Proceed (NTP) - 4.09 (48-53, 63)																																			
CT13381	Construction - 4.09 (48-53, 63)	400	17-Oct-18	20-Nov-19	Construction - 4.09 (48-53, 63)																																			
CT13391	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (48-53, 63)	0		20-Nov-19*	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (48-53, 63)																																			
CT40610	Project Closeout - 4.09 (48-53, 63)	90	21-Nov-19	18-Feb-20*	Project Closeout - 4.09 (48-53, 63)																																			
Project Administration					1325	14-Mar-16 A	18-Feb-20	18-Feb-20, Project Administration																																
CT38220	WASD Project Administration - 4.09 (48-53, 63)	1325	14-Mar-16 A	18-Feb-20	WASD Project Administration - 4.09 (48-53, 63)																																			
4.09 (60-62) Replace 1500LF 8" ACP FM (PS#1013 - PS#1012), 2550LF 10" (SW144th/SW 280th St) 958LF 8"					1119	28-Oct-16 A	20-Nov-19	20-Nov-19, 4.09 (60-62) Replace 1500LF 8" ACP FM (PS#1013 - PS#1012), 2550LF 10" (SW144th/SW 280th St) 958LF 8"																																
Pre-Design					355	28-Oct-16 A	02-Nov-17 A	02-Nov-17 A, Pre-Design																																
CT22500	Pre-Design - 4.09 (60-62)	355	28-Oct-16 A	02-Nov-17 A	Pre-Design - 4.09 (60-62)																																			
Engineering Design					223	19-Oct-17 A	21-Jun-18 A	21-Jun-18 A, Engineering Design																																
CT37970	30% Design Submittal - 4.09 (60-62)	60	19-Oct-17 A	26-Feb-18 A	30% Design Submittal - 4.09 (60-62)																																			
CT50360	30% Design Review - 4.09 (60-62)	10	27-Feb-18 A	15-Mar-18 A	30% Design Review - 4.09 (60-62)																																			
CT37990	90% Design Submittal - 4.09 (60-62)	60	16-Mar-18 A	11-May-18 A	90% Design Submittal - 4.09 (60-62)																																			
CT13601	Engineering Design - 4.09 (60-62)	210	19-Oct-17 A	21-Jun-18 A	Engineering Design - 4.09 (60-62)																																			
CT50380	90% Design Review/Permit Ready Submittal - 4.09 (60-62)	14	12-May-18 A	21-Jun-18 A	90% Design Review/Permit Ready Submittal - 4.09 (60-62)																																			
Permitting					110	22-May-18 A	17-Sep-18	17-Sep-18, Permitting																																
CT81110	Public Works Permit - 4.09 (60-62)	90	22-May-18 A	17-Sep-18	Public Works Permit - 4.09 (60-62)																																			
CT81140	SFWMD Permit - 4.09 (60-62)	90	20-Jun-18 A	17-Sep-18	SFWMD Permit - 4.09 (60-62)																																			
CT13611	Permitting - 4.09 (60-62)	90	21-Jun-18 A	17-Sep-18	Permitting - 4.09 (60-62)																																			
CT81100	RER/DERM Permit - 4.09 (60-62)	90	22-Jun-18 A	17-Sep-18	RER/DERM Permit - 4.09 (60-62)																																			
Procurement					108	31-Jul-18	15-Nov-18	15-Nov-18, Procurement																																
CT80220	Internal Bid Package Review - 4.09 (60-62)	3	31-Jul-18	02-Aug-18	Internal Bid Package Review - 4.09 (60-62)																																			
CT36630	Design Documents Sent to Procurement - 4.09 (60-62)	0	03-Aug-18		Design Documents Sent to Procurement - 4.09 (60-62)																																			
CT36640	Submit/Approve SBD Goals and Request to Advertise - 4.09 (60-62)	30	03-Aug-18	01-Sep-18	Submit/Approve SBD Goals and Request to Advertise - 4.09 (60-62)																																			
CT36650	Advertise Bid Package - 4.09 (60-62)	0	02-Sep-18		Advertise Bid Package - 4.09 (60-62)																																			
CT36660	Bid Solicitation Period - 4.09 (60-62)	30	02-Sep-18	01-Oct-18	Bid Solicitation Period - 4.09 (60-62)																																			
CT36670	Bids Due - 4.09 (60-62)	0	02-Oct-18		Bids Due - 4.09 (60-62)																																			
CT36680	Bid Review Period - 4.09 (60-62)	15	02-Oct-18	16-Oct-18	Bid Review Period - 4.09 (60-62)																																			
CT36690	Award Recommendation - 4.09 (60-62)	0		16-Oct-18	Award Recommendation - 4.09 (60-62)																																			
CT13621	Procurement - 4.09 (60-62)	105	03-Aug-18	15-Nov-18	Procurement - 4.09 (60-62)																																			
CT36700	Final Approvals - 4.09 (60-62)	30	17-Oct-18	15-Nov-18	Final Approvals - 4.09 (60-62)																																			
Construction					370	16-Nov-18	20-Nov-19	20-Nov-19, Construction																																
CT36710	Contractor Notice to Proceed (NTP) - 4.09 (60-62)	0	16-Nov-18		Contractor Notice to Proceed (NTP) - 4.09 (60-62)																																			
CT13631	Construction - 4.09 (60-62)	280	16-Nov-18	22-Aug-19	Construction - 4.09 (60-62)																																			
CT13641	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (60-62)	0		22-Aug-19*	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (60-62)																																			
CT40640	Project Closeout - 4.09 (60-62)	90	23-Aug-19	20-Nov-19*	Project Closeout - 4.09 (60-62)																																			
Project Administration					718	19-Oct-17 A	20-Nov-19	20-Nov-19, Project Administration																																
CT38210	WASD Project Administration - 4.09 (60-62)	718	19-Oct-17 A	20-Nov-19	WASD Project Administration - 4.09 (60-62)																																			
4.09 (65) Replacement of 2250 LF of 6" ACP FM from PS#1002 to SW 152nd Ave. and 304th St.					1056	28-Oct-16 A	18-Sep-19	18-Sep-19, 4.09 (65) Replacement of 2250 LF of 6" ACP FM from PS#1002 to SW 152nd Ave. and 304th St.																																
Pre-Design					355	28-Oct-16 A	02-Nov-17 A	02-Nov-17 A, Pre-Design																																

** EPA Interim Milestone date was missed.

Activity ID	Activity Name	Original Duration	Start	Finish	Timeline (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
CT22530	Pre-Design - 4.09 (65)	355	28-Oct-16 A	02-Nov-17 A	[Gantt chart bars for Pre-Design - 4.09 (65) across 2016-2018]																																	
Engineering Design					[Gantt chart bars for Engineering Design activities: 30% Design Submittal, 30% Design Review, 90% Design Submittal, 90% Design Review/Permit Ready Submittal]																																	
Permitting					[Gantt chart bars for Permitting activities: Permitting, RER-DERM Permit, MDC Public Works Permit]																																	
Procurement					[Gantt chart bars for Procurement activities: Internal Bid Package Review, Design Documents Sent to Procurement, Submit/Approve SBD Goals and Request to Advertise, Advertise Bid Package, Bid Solicitation Period, Bids Due, Bid Review Period, Award Recommendation, Final Approvals]																																	
Construction					[Gantt chart bars for Construction activities: Contractor Notice to Proceed (NTP), Construction, Substantial Completion (CD Compliance Date 10/17/20), Project Closeout]																																	
Project Administration					[Gantt chart bars for Project Administration activities: WASD Project Administration]																																	
4.09 (66) Replacement 120 LF of 8" ACP FM from PS#1002 to SW 152nd and 304th St.					[Gantt chart bars for Project 4.09 (66) across 2016-2020]																																	
Engineering Design					[Gantt chart bars for Engineering Design activities for 4.09 (66)]																																	
Permitting					[Gantt chart bars for Permitting activities for 4.09 (66)]																																	
Procurement					[Gantt chart bars for Procurement activities for 4.09 (66)]																																	
Construction					[Gantt chart bars for Construction activities for 4.09 (66)]																																	
Project Administration					[Gantt chart bars for Project Administration activities for 4.09 (66)]																																	
4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132 Along Bikini Blvd to MH5 in Hanger Rd					[Gantt chart bars for Project 4.09 (67) across 2016-2020]																																	
Pre-Design					[Gantt chart bars for Pre-Design activities for 4.09 (67)]																																	
Engineering Design					[Gantt chart bars for Engineering Design activities for 4.09 (67)]																																	
Permitting					[Gantt chart bars for Permitting activities for 4.09 (67)]																																	
Procurement					[Gantt chart bars for Procurement activities for 4.09 (67)]																																	
Construction					[Gantt chart bars for Construction activities for 4.09 (67)]																																	

** EPA Interim Milestone date was missed.

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
CT14051	Engineering Design - 4.09 (71)	443	02-Feb-15 A	19-Apr-16 A	[Gantt chart bars for Engineering Design - 4.09 (71)]																																	
Permitting					[Gantt chart bars for Permitting - 4.09 (71)]																																	
CT50410	DERM Permit - 4.09 (71)	20	20-Apr-16 A	09-May-16 A	[Gantt chart bars for DERM Permit - 4.09 (71)]																																	
CT14061	Permitting - 4.09 (71)	101	19-Apr-16 A	28-Jul-16 A	[Gantt chart bars for Permitting - 4.09 (71)]																																	
CT50420	Public Works Permit (City of Miami Gardens) - 4.09 (71)	100	20-Apr-16 A	28-Jul-16 A	[Gantt chart bars for Public Works Permit (City of Miami Gardens) - 4.09 (71)]																																	
Procurement					[Gantt chart bars for Procurement - 4.09 (71)]																																	
CT80390	GMOU Submittal and Approval - 4.09 (71)	21	09-Feb-17 A	01-Mar-17 A	[Gantt chart bars for GMOU Submittal and Approval - 4.09 (71)]																																	
CT80400	Internal Bid Package Review - 4.09 (71)	5	17-May-17 A	21-May-17 A	[Gantt chart bars for Internal Bid Package Review - 4.09 (71)]																																	
CT37170	Design Documents Sent to Procurement - 4.09 (71)	0	22-May-17 A		[Gantt chart bars for 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	[Gantt chart bars for Submit/Approve SBD Goals and Request to Advertise - 4.09 (71)]																																	
CT37190	Advertise Bid Package - 4.09 (71)	0	01-Jun-17 A		[Gantt chart bars for Advertise Bid Package - 4.09 (71)]																																	
CT37200	Bid Solicitation Period - 4.09 (71)	55	01-Jun-17 A	25-Jul-17 A	[Gantt chart bars for Bid Solicitation Period - 4.09 (71)]																																	
CT37210	Bids Due - 4.09 (71)	0	26-Jul-17 A		[Gantt chart bars for Bids Due - 4.09 (71)]																																	
CT37220	Bid Review Period - 4.09 (71)	97	26-Jul-17 A	15-Dec-17 A	[Gantt chart bars for Bid Review Period - 4.09 (71)]																																	
CT37230	Award Recommendation - 4.09 (71)	0		15-Dec-17 A	[Gantt chart bars for Award Recommendation - 4.09 (71)]																																	
CT14071	Procurement - 4.09 (71)	192	22-May-17 A	23-Jan-18 A	[Gantt chart bars for Procurement - 4.09 (71)]																																	
CT37240	Final Approvals - 4.09 (71)	30	16-Dec-17 A	23-Jan-18 A	[Gantt chart bars for Final Approvals - 4.09 (71)]																																	
Construction					[Gantt chart bars for Construction - 4.09 (71)]																																	
CT37250	Contractor Notice to Proceed (NTP) - 4.09 (71)	0	03-Aug-18*		[Gantt chart bars for Contractor Notice to Proceed (NTP) - 4.09 (71)]																																	
CT14081	Construction - 4.09 (71)	210	03-Aug-18	28-Feb-19	[Gantt chart bars for Construction - 4.09 (71)]																																	
CT14091	Substantial Completion (Non-Consent Decree) - 4.09 (71)	0		28-Feb-19*	[Gantt chart bars for Substantial Completion (Non-Consent Decree) - 4.09 (71)]																																	
CT40720	Project Closeout - 4.09 (71)	90	01-Mar-19	29-May-19*	[Gantt chart bars for Project Closeout - 4.09 (71)]																																	
Project Administration					[Gantt chart bars for Project Administration - 4.09 (71)]																																	
CT38140	WASD Project Administration - 4.09 (71)	1332	02-Feb-15 A	29-May-19	[Gantt chart bars for WASD Project Administration - 4.09 (71)]																																	
4.09 (72) Replace 9152 LF of 8", 12" and 16" ACP FM from PS#0891 to SW 108th St.-127th Ave.-88th St					[Gantt chart bars for 4.09 (72) Replace 9152 LF of 8", 12" and 16" ACP FM from PS#0891 to SW 108th St.-127th Ave.-88th St]																																	
Engineering Design					[Gantt chart bars for Engineering Design - 4.09 (72)]																																	
CT14161	Project Transferred to CIP - 4.09 (72)	0	18-Jul-16 A	18-Jul-16 A	[Gantt chart bars for Project Transferred to CIP - 4.09 (72)]																																	
4.09 (73) Replacement of 4156 LF of 16", 1375 LF of 12", 1577LF of 8" ACP FMs PS#0875 to 127th Ave					[Gantt chart bars for 4.09 (73) Replacement of 4156 LF of 16", 1375 LF of 12", 1577LF of 8" ACP FMs PS#0875 to 127th Ave]																																	
Pre-Design					[Gantt chart bars for Pre-Design - 4.09 (73)]																																	
CT20010	Pre-Design - 4.09 (73)	217	29-Aug-14 A	02-Apr-15 A	[Gantt chart bars for Pre-Design - 4.09 (73)]																																	
Engineering Design					[Gantt chart bars for Engineering Design - 4.09 (73)]																																	
CT37510	30% Design Submittal - 4.09 (73)	126	03-Apr-15 A	06-Aug-15 A	[Gantt chart bars for 30% Design Submittal - 4.09 (73)]																																	
CT37520	60% Design Submittal - 4.09 (73)	56	07-Aug-15 A	01-Oct-15 A	[Gantt chart bars for 60% Design Submittal - 4.09 (73)]																																	
CT14111	Engineering Design - 4.09 (73)	224	03-Apr-15 A	12-Nov-15 A	[Gantt chart bars for Engineering Design - 4.09 (73)]																																	
CT37530	90% Design Submittal - 4.09 (73)	42	02-Oct-15 A	12-Nov-15 A	[Gantt chart bars for 90% Design Submittal - 4.09 (73)]																																	
Permitting					[Gantt chart bars for Permitting - 4.09 (73)]																																	
CT50510	Miami Dade Public Works Permit - 4.09 (73)	74	18-Dec-15 A	29-Feb-16 A	[Gantt chart bars for Miami Dade Public Works Permit - 4.09 (73)]																																	
CT50500	RER (DERM) / FDEP Permit - 4.09 (73)	83	18-Dec-15 A	09-Mar-16 A	[Gantt chart bars for RER (DERM) / FDEP Permit - 4.09 (73)]																																	
CT50520	South Florida Water Management District (SFWMD) Permit - 4.09 (73)	79	04-Jan-16 A	22-Mar-16 A	[Gantt chart bars for South Florida Water Management District (SFWMD) Permit - 4.09 (73)]																																	
CT14121	Permitting - 4.09 (73)	246	18-Dec-15 A	19-Aug-16 A	[Gantt chart bars for Permitting - 4.09 (73)]																																	
CT50870	Tree Permit - 4.09 (73)	39	12-Jul-16 A	19-Aug-16 A	[Gantt chart bars for Tree Permit - 4.09 (73)]																																	
Procurement					[Gantt chart bars for Procurement - 4.09 (73)]																																	
CT80260	Internal Bid Package Review - 4.09 (73)	5	13-Jan-17 A	17-Jan-17 A	[Gantt chart bars for Internal Bid Package Review - 4.09 (73)]																																	
CT80370	GMOU submittal and approval - 4.09 (73)	21	20-Feb-17 A	12-Mar-17 A	[Gantt chart bars for GMOU submittal and approval - 4.09 (73)]																																	
CT37260	Design Documents Sent to Procurement - 4.09 (73)	0	18-Apr-17 A		[Gantt chart bars for Design Documents Sent to Procurement - 4.09 (73)]																																	
CT37270	Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	16	18-Apr-17 A	03-May-17 A	[Gantt chart bars for Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)]																																	
CT80530	Resolution of Easement Conflicts - 4.09 (73)	180	04-May-17 A	01-Nov-17 A	[Gantt chart bars for Resolution of Easement Conflicts - 4.09 (73)]																																	
CT80540	Design Documents Re-Sent to Procurement - 4.09 (73)	0	02-Nov-17 A		[Gantt chart bars for Design Documents Re-Sent to Procurement - 4.09 (73)]																																	
CT80550	Re-Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	45	02-Nov-17 A	28-Nov-17 A	[Gantt chart bars for Re-Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)]																																	
CT37280	Advertise Bid Package - 4.09 (73)	0	29-Nov-17 A		[Gantt chart bars for Advertise Bid Package - 4.09 (73)]																																	
CT37290	Bid Solicitation Period - 4.09 (73)	45	29-Nov-17 A	03-Jan-18 A	[Gantt chart bars for Bid Solicitation Period - 4.09 (73)]																																	
CT37300	Bids Due - 4.09 (73)	0	04-Jan-18 A		[Gantt chart bars for Bids Due - 4.09 (73)]																																	
CT37310	Bid Review Period - 4.09 (73)	30	04-Jan-18 A	17-Jan-18 A	[Gantt chart bars for Bid Review Period - 4.09 (73)]																																	
CT37320	Award Recommendation - 4.09 (73)	0		17-Jan-18 A	[Gantt chart bars for Award Recommendation - 4.09 (73)]																																	
CT14131	Procurement - 4.9 (73)	288	18-Apr-17 A	02-Mar-18 A	[Gantt chart bars for Procurement - 4.9 (73)]																																	
CT37330	Final Approvals - 4.09 (73)	90	18-Jan-18 A	02-Mar-18 A	[Gantt chart bars for Final Approvals - 4.09 (73)]																																	
Construction					[Gantt chart bars for Construction - 4.09 (73)]																																	
CT37340	Contractor Notice to Proceed (NTP) - 4.09 (73)	0	02-Jul-18*		[Gantt chart bars for Contractor Notice to Proceed (NTP) - 4.09 (73)]																																	
CT14151	Construction - 4.09 (73)	370	02-Jul-18	06-Jul-19	[Gantt chart bars for Construction - 4.09 (73)]																																	
CT14181	Substantial Completion (Non-Consent Decree) - 4.09 (73)	0		06-Jul-19*	[Gantt chart bars for Substantial Completion (Non-Consent Decree) - 4.09 (73)]																																	
CT40740	Project Closeout - 4.09 (73)	90	07-Jul-19	04-Oct-19*	[Gantt chart bars for Project Closeout - 4.09 (73)]																																	
Project Administration					[Gantt chart bars for Project Administration - 4.09 (73)]																																	
CT38130	WASD Project Administration - 4.09 (73)	1494	03-Apr-15 A	04-Oct-19	[Gantt chart bars for WASD Project Administration - 4.09 (73)]																																	
4.10 Opa-Locka Airport 48" PCCP Force Main Replacement					[Gantt chart bars for 4.10 Opa-Locka Airport 48" PCCP Force Main Replacement]																																	
Engineering Design					[Gantt chart bars for Engineering Design - 4.10]																																	
CT71530	EPA Start Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**	0	06-Oct-14 A		[Gantt chart bars for EPA Start Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**]																																	
CT50890	EPA Compliance Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**	0		23-Apr-15 A	[Gantt chart bars for EPA Compliance Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**]																																	
CT10100	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport	506	17-Dec-14 A	05-May-16 A	[Gantt chart bars for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport]																																	
Permitting					[Gantt chart bars for Permitting - 4.10]																																	
CT71540	EPA Start Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport**	0	29-Jul-14 A		[Gantt chart bars for EPA Start Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport**]																																	

** EPA Interim Milestone date was missed.

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
CT10180	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	321	30-Jul-15 A	14-Jun-16 A	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport																																	
CT50900	EPA Compliance Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	0		23-Jul-16 A	EPA Compliance Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport																																	
Procurement					239 04-May-16 A 29-Dec-16 A																																	
CT71550	EPA Start Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport**	0	24-Jul-16 A		EPA Start Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport**																																	
CT10260	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	230	04-May-16 A	19-Dec-16 A	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport																																	
CT50910	EPA Compliance Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	0		29-Dec-16 A	EPA Compliance Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport																																	
Construction					596 12-Oct-16 A 11-May-18 A																																	
CT71560	EPA Start Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport	0	23-Oct-16 A		EPA Start Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport																																	
CT50920	EPA Compliance Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport	0		28-Jan-18 A	EPA Compliance Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport																																	
CT10330	Construction - Replace 48" PCCP FM @ Opa-Locka Airport	420	12-Oct-16 A	11-May-18 A	Construction - Replace 48" PCCP FM @ Opa-Locka Airport																																	
CT10400	Substantial Completion (CD Compliance Date 10/25/18) - Replace 48" PCCP FM @ Opa-Locka Airport	0		11-May-18 A	Substantial Completion (CD Compliance Date 10/25/18) - Replace 48" PCCP FM @ Opa-Locka Airport																																	
4.10 (1) Rehab Existing 48" FM Along North Side of Biscayne Canal from NW 37th Ave. to NW 32nd Ave.					907 17-Aug-15 A 29-Sep-18																																	
Pre-Design					118 17-Aug-15 A 13-Dec-15 A																																	
CT37600	Negotiate Scope and Fee for Remaining Design - Rehab Existing 48" FM East of Opa Locka Airport	119	17-Aug-15 A	13-Dec-15 A	Negotiate Scope and Fee for Remaining Design - Rehab Existing 48" FM East of Opa Locka Airport																																	
Engineering Design					143 14-Dec-15 A 05-May-16 A																																	
CT37630	Draft Performance Specifications - Rehab Existing 48" FM East of Opa Locka Airport	124	14-Dec-15 A	15-Apr-16 A	Draft Performance Specifications - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37640	Performance Specifications Review - Rehab Existing 48" FM East of Opa Locka Airport	7	16-Apr-16 A	22-Apr-16 A	Performance Specifications Review - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37590	Engineering Design - Rehab Existing 48" FM East of Opa Locka Airport	144	14-Dec-15 A	05-May-16 A	Engineering Design - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37650	Final Performance Specifications Submittal - Rehab Existing 48" FM East of Opa Locka Airport	13	23-Apr-16 A	05-May-16 A	Final Performance Specifications Submittal - Rehab Existing 48" FM East of Opa Locka Airport																																	
Permitting					1 04-May-16 A 05-May-16 A																																	
CT37660	Permitting - Rehab Existing 48" FM East of Opa Locka Airport	2	04-May-16 A	05-May-16 A	Permitting - Rehab Existing 48" FM East of Opa Locka Airport																																	
Procurement					227 06-May-16 A 19-Dec-16 A																																	
CT37670	Design Documents Sent to Procurement - Rehab Existing 48" FM East of Opa Locka Airport	0	06-May-16 A		Design Documents Sent to Procurement - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37680	Submit/Approve SBD Goals and Request to Advertise - Rehab Existing 48" FM East of Opa Locka Airport	22	06-May-16 A	27-May-16 A	Submit/Approve SBD Goals and Request to Advertise - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37700	Advertise Bid Package - Rehab Existing 48" FM East of Opa Locka Airport	0	16-Sep-16 A		Advertise Bid Package - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37710	Bid Solicitation Period - Rehab Existing 48" FM East of Opa Locka Airport	34	16-Sep-16 A	19-Oct-16 A	Bid Solicitation Period - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37720	Bids Due - Rehab Existing 48" FM East of Opa Locka Airport	0	20-Oct-16 A		Bids Due - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37730	Bid Review Period - Rehab Existing 48" FM East of Opa Locka Airport	32	20-Oct-16 A	20-Nov-16 A	Bid Review Period - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37740	Award Recommendation - Rehab Existing 48" FM East of Opa Locka Airport	0		21-Nov-16 A	Award Recommendation - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37690	Procurement - Rehab Existing 48" FM East of Opa Locka Airport	228	06-May-16 A	19-Dec-16 A	Procurement - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37750	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab Existing 48" FM East of Opa Locka Airport	28	22-Nov-16 A	19-Dec-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab Existing 48" FM East of Opa Locka Airport																																	
Construction					415 21-Dec-16 A 29-Sep-18																																	
CT37760	Contractor Notice to Proceed (NTP) - Rehab Existing 48" FM East of Opa Locka Airport	0	21-Dec-16 A		Contractor Notice to Proceed (NTP) - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37770	Construction - Rehab Existing 48" FM East of Opa Locka Airport	311	21-Dec-16 A	27-Oct-17 A	Construction - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT37780	Substantial Completion (CD Compliance Date 10/25/18) - Rehab Existing 48" FM East of Opa Locka Airport	0		27-Oct-17 A	Substantial Completion (CD Compliance Date 10/25/18) - Rehab Existing 48" FM East of Opa Locka Airport																																	
CT40750	Project Closeout - Rehab Existing 48" FM East of Opa Locka Airport	90	28-Oct-17 A	29-Sep-18	Project Closeout - Rehab Existing 48" FM East of Opa Locka Airport																																	
Project Administration					774 14-Dec-15 A 29-Sep-18																																	
CT35381	WASD Project Administration - Rehab Existing 48" FM East of Opa Locka Airport	774	14-Dec-15 A	29-Sep-18	WASD Project Administration - Rehab Existing 48" FM East of Opa Locka Airport																																	
4.10 (2) Opa-Locka Airport 48" PCCP Force Main Replacement (Sections 1 and 2)					1370 17-Dec-14 A 08-Sep-18																																	
Pre-Design					54 01-May-15 A 24-Jun-15 A																																	
CT22150	Negotiate Scope and Fee for Remaining Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	55	01-May-15 A	24-Jun-15 A	Negotiate Scope and Fee for Remaining Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
Engineering Design					505 17-Dec-14 A 05-May-16 A																																	
CT22140	Basis of Design Report (BODR) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	184	17-Dec-14 A	18-Jun-15 A	Basis of Design Report (BODR) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT22160	30% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	47	25-Jun-15 A	10-Aug-15 A	30% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT22170	30% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	8	11-Aug-15 A	18-Aug-15 A	30% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT22180	60% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	91	15-Aug-15 A	13-Nov-15 A	60% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT22780	60% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	7	14-Nov-15 A	20-Nov-15 A	60% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT22210	100% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	124	21-Nov-15 A	23-Mar-16 A	100% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT37540	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	506	17-Dec-14 A	05-May-16 A	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
Permitting					320 30-Jul-15 A 14-Jun-16 A																																	
CT50240	RER (DERM) / FDEP Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	13	31-Mar-16 A	12-Apr-16 A	RER (DERM) / FDEP Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT37550	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	321	30-Jul-15 A	14-Jun-16 A	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT50250	FAA Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	321	30-Jul-15 A	14-Jun-16 A	FAA Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
Procurement					145 04-May-16 A 26-Sep-16 A																																	
CT33101	Design Documents Sent to Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	04-May-16 A		Design Documents Sent to Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT33111	Submit/Approve SBD Goals and Request to Advertise - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	24	04-May-16 A	27-May-16 A	Submit/Approve SBD Goals and Request to Advertise - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT33121	Advertise Bid Package - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	16-Jun-16 A		Advertise Bid Package - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT33131	Bid Solicitation Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	53	16-Jun-16 A	07-Aug-16 A	Bid Solicitation Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT33141	Bids Due - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	08-Aug-16 A		Bids Due - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT33151	Bid Review Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	15	08-Aug-16 A	22-Aug-16 A	Bid Review Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT33161	Award Recommendation - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		22-Aug-16 A	Award Recommendation - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT37580	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	146	04-May-16 A	26-Sep-16 A	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT33171	Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	35	23-Aug-16 A	26-Sep-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
Construction					705 12-Oct-16 A 08-Sep-18																																	
CT33181	Contractor Notice to Proceed (NTP) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	12-Oct-16 A		Contractor Notice to Proceed (NTP) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT37560	Construction - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	420	12-Oct-16 A	11-May-18 A	Construction - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT37570	Substantial Completion (CD Compliance Date 10/25/18) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		11-May-18 A	Substantial Completion (CD Compliance Date 10/25/18) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
CT40760	Project Closeout - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	90	12-May-18 A	08-Sep-18	Project Closeout - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	
Project Administration					1175 17-Dec-14 A 08-Sep-18																																	
CT35371	WASD Project Administration - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	1175	17-Dec-14 A	08-Sep-18	WASD Project Administration - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																																	

** EPA Interim Milestone date was missed.

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
4.10 (3) Replace 16" FM Along NW 159th St. from NW 57th St. to NW 54th St.		805	07-Mar-16 A	14-Jul-18	14-Jul-18, 4.10 (3) Replace 16" FM Along NW 159th St. from NW 57th St. to NW 54th St.																																	
Pre-Design		114	07-Mar-16 A	29-Jun-16 A	29-Jun-16 A, Pre-Design																																	
CT50000	Pre- Design - 4.10 (3)	115	07-Mar-16 A	29-Jun-16 A	29-Jun-16 A, Pre-Design - 4.10 (3)																																	
Engineering Design		132	11-May-16 A	20-Sep-16 A	20-Sep-16 A, Engineering Design																																	
CT50010	Engineering Design - 4.10 (3)	133	11-May-16 A	20-Sep-16 A	20-Sep-16 A, Engineering Design - 4.10 (3)																																	
Permitting		104	10-Sep-16 A	23-Dec-16 A	23-Dec-16 A, Permitting																																	
CT50260	FDOT Utility Permit - 4.10 (3)	42	10-Sep-16 A	21-Oct-16 A	21-Oct-16 A, FDOT Utility Permit - 4.10 (3)																																	
CT50280	DERM Sewer Permit - 4.10 (3)	72	21-Sep-16 A	01-Dec-16 A	01-Dec-16 A, DERM Sewer Permit - 4.10 (3)																																	
CT50020	Permitting - 4.10 (3)	95	20-Sep-16 A	23-Dec-16 A	23-Dec-16 A, Permitting - 4.10 (3)																																	
CT50270	City Of Miami Gardens Public Works Permit - 4.10 (3)	94	21-Sep-16 A	23-Dec-16 A	23-Dec-16 A, City Of Miami Gardens Public Works Permit - 4.10 (3)																																	
Procurement		231	28-Nov-16 A	17-Jul-17 A	17-Jul-17 A, Procurement																																	
CT80070	Design Documents Sent to Procurement - 4.10 (3)	0	28-Nov-16 A		28-Nov-16 A, Design Documents Sent to Procurement - 4.10 (3)																																	
CT80150	Phase I Procurement (Emergency Project) - 4.10 (3)	6	30-Nov-16 A	05-Dec-16 A	05-Dec-16 A, Phase I Procurement (Emergency Project) - 4.10 (3)																																	
CT80080	Submit/Approve SBD Goals and Request to Advertise - 4.10 (3)	57	28-Nov-16 A	23-Jan-17 A	23-Jan-17 A, Submit/Approve SBD Goals and Request to Advertise - 4.10 (3)																																	
CT80090	Advertise Bid Package - 4.10 (3)	0	24-Jan-17 A		24-Jan-17 A, Advertise Bid Package - 4.10 (3)																																	
CT80100	Bid Solicitation Period - 4.10 (3)	35	24-Jan-17 A	27-Feb-17 A	27-Feb-17 A, Bid Solicitation Period - 4.10 (3)																																	
CT80110	Bids Due - 4.10 (3)	0	28-Feb-17 A		28-Feb-17 A, Bids Due - 4.10 (3)																																	
CT80120	Bid Review Period - 4.10 (3)	22	28-Feb-17 A	21-Mar-17 A	21-Mar-17 A, Bid Review Period - 4.10 (3)																																	
CT80130	Award Recommendation - 4.10 (3)	0		21-Mar-17 A	21-Mar-17 A, Award Recommendation - 4.10 (3)																																	
CT50030	Procurement - 4.10 (3)	232	28-Nov-16 A	17-Jul-17 A	17-Jul-17 A, Procurement - 4.10 (3)																																	
CT80140	Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.10 (3)	118	22-Mar-17 A	17-Jul-17 A	17-Jul-17 A, Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.10 (3)																																	
CT80500	P.O. Issued - 4.10 (3)	0		17-Jul-17 A	17-Jul-17 A, P.O. Issued - 4.10 (3)																																	
Construction		531	06-Dec-16 A	14-Jul-18	14-Jul-18, Construction																																	
CT80160	Phase I Construction (Emergency Project) - 4.10 (3)	60	06-Dec-16 A	03-Feb-17 A	03-Feb-17 A, Phase I Construction (Emergency Project) - 4.10 (3)																																	
CT80380	Contractor Notice to Proceed (NTP) - (Remaining Scope of Work) - 4.10 (3)	0	24-Jul-17 A		24-Jul-17 A, Contractor Notice to Proceed (NTP) - (Remaining Scope of Work) - 4.10 (3)																																	
CT50040	Construction - 4.10 (3)	410	06-Dec-16 A	14-Dec-17 A	14-Dec-17 A, Construction - 4.10 (3)																																	
CT80170	Construction (Remaining Scope of Work) - 4.10 (3)	180	24-Jul-17 A	14-Dec-17 A	14-Dec-17 A, Construction (Remaining Scope of Work) - 4.10 (3)																																	
CT50050	Substantial Completion - 4.10 (3)	0		14-Dec-17 A	14-Dec-17 A, Substantial Completion - 4.10 (3)																																	
CT50060	Project Closeout - 4.10 (3)	90	15-Dec-17 A	14-Jul-18*	14-Jul-18*, Project Closeout - 4.10 (3)																																	
Project Administration		709	11-May-16 A	14-Jul-18	14-Jul-18, Project Administration																																	
CT80800	WASD Project Administration - 4.10 (3)	709	11-May-16 A	14-Jul-18	14-Jul-18, WASD Project Administration - 4.10 (3)																																	
4.10 (4) Opa-Locka Airport Concessions Project		2053	12-Oct-16 A	26-May-22	26-May-22, 4.10 (4) Opa-Locka Airport Concessions																																	
Pre-Design		447	12-Oct-16 A	03-Aug-18	03-Aug-18, Pre-Design																																	
CT80000	Pre- Design - 4.10 (4)	447	12-Oct-16 A	03-Aug-18	03-Aug-18, Pre- Design - 4.10 (4)																																	
Engineering Design		150	02-Jul-18*	28-Nov-18	28-Nov-18, Engineering Design																																	
CT80010	Engineering Design - 4.10 (4)	150	02-Jul-18*	28-Nov-18	28-Nov-18, Engineering Design - 4.10 (4)																																	
Permitting		365	29-Nov-18	28-Nov-19	28-Nov-19, Permitting																																	
CT80020	Permitting - 4.10 (4)	365	29-Nov-18	28-Nov-19	28-Nov-19, Permitting - 4.10 (4)																																	
Procurement		270	29-Nov-19	24-Aug-20	24-Aug-20, Procurement																																	
CT80030	Procurement - 4.10 (4)	270	29-Nov-19	24-Aug-20	24-Aug-20, Procurement - 4.10 (4)																																	
Construction		640	25-Aug-20	26-May-22	26-May-22, Construction																																	
CT81060	Notice to Proceed (NTP) - 4.10 (4)	0	25-Aug-20		25-Aug-20, Notice to Proceed (NTP) - 4.10 (4)																																	
CT80040	Construction - 4.10 (4)	550	25-Aug-20	25-Feb-22	25-Feb-22, Construction - 4.10 (4)																																	
CT81130	Commissioning - 4.10 (4)	30	27-Jan-22	25-Feb-22	25-Feb-22, Commissioning - 4.10 (4)																																	
CT80050	Substantial Completion (Not Consent Decree) - 4.10 (4)	0		25-Feb-22	25-Feb-22, Substantial Completion (Not Consent Decree) - 4.10 (4)																																	
CT80060	Project Closeout - 4.10 (4)	90	26-Feb-22	26-May-22*	26-May-22*, Project Closeout - 4.10 (4)																																	
Project Administration		1425	02-Jul-18	26-May-22	26-May-22, Project Administration																																	
CT80810	WASD Project Administration - 4.10 (4)	1425	02-Jul-18	26-May-22	26-May-22, WASD Project Administration - 4.10 (4)																																	
5. Sewer Pump Station System		4062	12-Dec-10 A	24-Jan-22	24-Jan-22, 5. Sewer Pump Station System																																	
5.01 Upgrade of PS#0418		2182	01-Nov-13 A	22-Oct-19	22-Oct-19, 5.01 Upgrade of PS#0418																																	
Engineering Design		217	01-Nov-13 A	06-Jun-14 A	06-Jun-14 A, Engineering Design																																	
PS51540	EPA Start Date for Engineering Design - Upgrade PS#0418	0	01-Nov-13 A		01-Nov-13 A, EPA Start Date for Engineering Design - Upgrade PS#0418																																	
PS10040	Engineering Design - Upgrade PS#0418	192	01-Nov-13 A	12-May-14 A	12-May-14 A, Engineering Design - Upgrade PS#0418																																	
PS50820	EPA Compliance Date for Engineering Design - Upgrade PS#0418	0		06-Jun-14 A	06-Jun-14 A, EPA Compliance Date for Engineering Design - Upgrade PS#0418																																	
Permitting		395	14-Jul-14 A	13-Aug-15 A	13-Aug-15 A, Permitting																																	
PS51550	EPA Start Date for Permitting - Upgrade PS#0418**	0	14-Jul-14 A		14-Jul-14 A, EPA Start Date for Permitting - Upgrade PS#0418**																																	
PS50830	EPA Compliance Date for Permitting - Upgrade PS#0418**	0		17-Jun-15 A	17-Jun-15 A, EPA Compliance Date for Permitting - Upgrade PS#0418**																																	
PS10190	Permitting - Upgrade PS#0418	389	21-Jul-14 A	13-Aug-15 A	13-Aug-15 A, Permitting - Upgrade PS#0418																																	
Procurement		364	07-Jun-15 A	05-Jun-16 A	05-Jun-16 A, Procurement																																	
PS51560	EPA Start Date for Procurement - Upgrade PS#0418**	0	07-Jun-15 A		07-Jun-15 A, EPA Start Date for Procurement - Upgrade PS#0418**																																	
PS32740	Design Documents Sent to Procurement	0	18-Sep-15 A		18-Sep-15 A, Design Documents Sent to Procurement																																	
PS32750	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0418	42	18-Sep-15 A	29-Oct-15 A	29-Oct-15 A, Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0418																																	
PS32770	Advertise Bid Package - Upgrade PS#0418	0	30-Oct-15 A		30-Oct-15 A, Advertise Bid Package - Upgrade PS#0418																																	
PS32780	Bid Solicitation Period - Upgrade PS#0418	50	30-Oct-15 A	18-Dec-15 A	18-Dec-15 A, Bid Solicitation Period - Upgrade PS#0418																																	
PS32790	Bids Due - Upgrade PS#0418	0	18-Dec-15 A		18-Dec-15 A, Bids Due - Upgrade PS#0418																																	
PS32800	Bid Review Period - Upgrade PS#0418	98	19-Dec-15 A	25-Mar-16 A	25-Mar-16 A, Bid Review Period - Upgrade PS#0418																																	
PS32810	Award Recommendation - Upgrade PS#0418	0		25-Mar-16 A	25-Mar-16 A, Award Recommendation - Upgrade PS#0418																																	
PS10360	Procurement - Upgrade PS#0418	289	13-Aug-15 A	27-May-16 A	27-May-16 A, Procurement - Upgrade PS#0418																																	
PS32820	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0418	63	26-Mar-16 A	27-May-16 A	27-May-16 A, Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0418																																	
PS50840	EPA Compliance Date for Procurement - Upgrade PS#0418	0		05-Jun-16 A	05-Jun-16 A, EPA Compliance Date for Procurement - Upgrade PS#0418																																	

** EPA Interim Milestone date was missed.

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
Construction					22-Oct-19, Construction																			
PS32830	Contractor Notice to Proceed (NTP) - Upgrade PS#0418	0	28-May-16 A	22-Oct-19	◆ Contractor Notice to Proceed (NTP) - Upgrade PS#0418																			
PS51570	EPA Start Date for Construction - Upgrade PS#0418	0	06-Jun-16 A		◆ EPA Start Date for Construction - Upgrade PS#0418																			
PS11111	City of Hialeah Completes Reroute of Gravity Mains from PS#418 to PS#200	0		17-Nov-16 A	◆ City of Hialeah Completes Reroute of Gravity Mains from PS#418 to PS#200																			
PS10550	Construction - Upgrade PS#0418	724	28-May-16 A	15-Nov-18	Construction - Upgrade PS#0418																			
PS72990	Commissioning - Upgrade PS#0418	60	17-Sep-18	15-Nov-18	Commissioning - Upgrade PS#0418																			
PS10830	Substantial Completion (CD Compliance Date 10/22/19) - Upgrade PS#0418	0		15-Nov-18*	◆ Substantial Completion (CD Compliance Date: 10/22/19) - Upgrade PS#0418																			
PS40770	Project Closeout - Upgrade PS#0418	40	16-Nov-18	25-Dec-18*	Project Closeout - Upgrade PS#0418																			
PS50850	EPA Compliance Date for Construction - Upgrade PS#0418	0		22-Oct-19*	◆ EPA Compliance Date for Construction - Upgrade PS#0418																			
Project Administration					25-Dec-18, Project Administration																			
PS35360	WASD Project Administration - Upgrade PS#0418	1703	01-Nov-13 A	25-Dec-18	WASD Project Administration - Upgrade PS#0418																			
5.02 Upgrade of PS#0691					27-Jan-19, 5.02 Upgrade of PS#0691																			
Pre-Design																								
PS20010	Pre-Design - Upgrade PS#0691	112	04-Aug-14 A	24-Nov-14 A	Pre-Design - Upgrade PS#0691																			
Engineering Design					09-Sep-16 A, Engineering Design																			
PS51580	EPA Start Date for Engineering Design - Upgrade PS#0691**	0	07-Oct-14 A		◆ EPA Start Date for Engineering Design - Upgrade PS#0691**																			
PS10120	Engineering Design - Upgrade PS#0691	126	26-Nov-14 A	31-Mar-15 A	Engineering Design - Upgrade PS#0691																			
PS31230	Design (City of Homestead) - Upgrade PS#0691	86	05-Jan-15 A	31-Mar-15 A	Design (City of Homestead) - Upgrade PS#0691																			
PS20000	Basis of Design Report (BODR) - Upgrade PS#0691	178	26-Nov-14 A	22-May-15 A	Basis of Design Report (BODR) - Upgrade PS#0691																			
PS31180	BODR Review Period - Upgrade PS#0691	26	25-May-15 A	19-Jun-15 A	BODR Review Period - Upgrade PS#0691																			
PS50860	EPA Compliance Date for Engineering Design - Upgrade PS#0691**	0		09-Sep-16 A	◆ EPA Compliance Date for Engineering Design - Upgrade PS#0691**																			
Permitting					08-Mar-17 A, Permitting																			
PS51590	EPA Start Date for Permitting - Upgrade PS#0691**	0	10-Aug-14 A		◆ EPA Start Date for Permitting - Upgrade PS#0691**																			
PS10280	Permitting (City of Homestead) - Upgrade PS#0691	121	01-Apr-15 A	30-Jul-15 A	Permitting (City of Homestead) - Upgrade PS#0691																			
PS50870	EPA Compliance Date for Permitting - Upgrade PS#0691	0		08-Mar-17 A	◆ EPA Compliance Date for Permitting - Upgrade PS#0691																			
Procurement					03-Dec-17 A, Procurement																			
PS10450	Procurement (City of Homestead) - Upgrade PS#0691	884	31-Jul-15 A	03-Dec-17 A	Procurement (City of Homestead) - Upgrade PS#0691																			
PS51600	EPA Start Date for Procurement - Upgrade PS#0691	169	31-Jul-15 A	15-Jan-16 A	◆ EPA Start Date for Procurement - Upgrade PS#0691																			
PS50880	EPA Compliance Date for Procurement - Upgrade PS#0691	0		03-Dec-17 A	◆ EPA Compliance Date for Procurement - Upgrade PS#0691																			
Construction					27-Jan-19, Construction																			
PS32930	Contractor Notice to Proceed (NTP) - Upgrade PS#0691	0	03-Jan-17 A		◆ Contractor Notice to Proceed (NTP) - Upgrade PS#0691																			
PS51610	EPA Start Date for Construction - Upgrade PS#0691	0	04-Dec-17 A		◆ EPA Start Date for Construction - Upgrade PS#0691																			
PS10650	Construction (City of Homestead) - Upgrade PS#0691	394	03-Jan-17 A	16-Jul-18	Construction (City of Homestead) - Upgrade PS#0691																			
PS10850	Substantial Completion (CD Compliance Date 1/27/19) - Upgrade PS#0691	0		16-Jul-18*	◆ Substantial Completion (CD Compliance Date 1/27/19) - Upgrade PS#0691																			
PS40780	Project Closeout - Upgrade PS#0691	90	17-Jul-18	14-Oct-18*	Project Closeout - Upgrade PS#0691																			
PS50890	EPA Compliance Date for Construction - Upgrade PS#0691	0		27-Jan-19*	◆ EPA Compliance Date for Construction - Upgrade PS#0691																			
Project Administration					14-Oct-18, Project Administration																			
PS35350	WASD Project Administration - Upgrade PS#0691	1253	26-Nov-14 A	14-Oct-18	WASD Project Administration - Upgrade PS#0691																			
5.03 Upgrade of PS#0692					28-Aug-20, 5.03 Upgrade of PS#0692																			
Pre-Design																								
PS20080	Pre-Design - Upgrade PS#0692	112	04-Aug-14 A	24-Nov-14 A	Pre-Design - Upgrade PS#0692																			
Engineering Design					08-Nov-16 A, Engineering Design																			
PS51620	EPA Start Date for Engineering Design - Upgrade PS#0692	0	07-Dec-14 A		◆ EPA Start Date for Engineering Design - Upgrade PS#0692																			
PS50900	EPA Compliance Date for Engineering Design - Upgrade PS#0692**	0		15-May-15 A	◆ EPA Compliance Date for Engineering Design - Upgrade PS#0692**																			
PS20090	Basis of Design Report (BODR) - Upgrade PS#0692	248	26-Nov-14 A	31-Jul-15 A	Basis of Design Report (BODR) - Upgrade PS#0692																			
PS20120	BODR Review Period - Upgrade PS#0692	68	03-Aug-15 A	09-Oct-15 A	BODR Review Period - Upgrade PS#0692																			
PS31370	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0692	277	21-Aug-15 A	23-May-16 A	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0692																			
PS32110	60% Design Submittal - Upgrade PS#0692	99	24-May-16 A	30-Aug-16 A	60% Design Submittal - Upgrade PS#0692																			
PS32120	60% Design Review - Upgrade PS#0692	7	31-Aug-16 A	06-Sep-16 A	60% Design Review - Upgrade PS#0692																			
PS10140	Engineering Design - Upgrade PS#0692	714	26-Nov-14 A	08-Nov-16 A	Engineering Design - Upgrade PS#0692																			
PS20150	100% Design Submittal - Upgrade PS#0692	63	07-Sep-16 A	08-Nov-16 A	100% Design Submittal - Upgrade PS#0692																			
Permitting					02-Oct-17 A, Permitting																			
PS51630	EPA Start Date for Permitting - Upgrade PS#0692**	0	10-Aug-14 A		◆ EPA Start Date for Permitting - Upgrade PS#0692**																			
PS50700	RER/DERM Permit - Upgrade PS#0692	191	08-Nov-16 A	17-May-17 A	RER/DERM Permit - Upgrade PS#0692																			
PS50910	EPA Compliance Date for Permitting - Upgrade PS#0692**	0		30-Aug-17 A	◆ EPA Compliance Date for Permitting - Upgrade PS#0692**																			
PS10300	Permitting - Upgrade PS#0692	356	08-Nov-16 A	02-Oct-17 A	Permitting - Upgrade PS#0692																			
PS72000	Building Dept Permit - Upgrade PS#0692	166	17-May-17 A	02-Oct-17 A	Building Dept Permit - Upgrade PS#0692																			
Procurement					30-Apr-19, Procurement																			
PS71930	GMOU Submittal and Approval - Upgrade PS#0692	802	14-Feb-17 A	30-Apr-19	GMOU Submittal and Approval - Upgrade PS#0692																			
PS41080	Pre-Purchase Bid Package (Pumps & Valves) - PS#0692	20	14-Feb-17 A	05-Mar-17 A	Pre-Purchase Bid Package (Pumps & Valves) - PS#0692																			
PS41090	Advertise Pre-Purchase (Pumps & Valves) - PS#0692	9	23-Mar-17 A	31-Mar-17 A	Advertise Pre-Purchase (Pumps & Valves) - PS#0692																			
PS41100	Vendor Bid & Award (Pumps & Valves) - PS#0692	18	03-Apr-17 A	20-Apr-17 A	Vendor Bid & Award (Pumps & Valves) - PS#0692																			
PS71850	Internal Bid Package Review - Upgrade PS#0692	3	01-Aug-17 A	03-Aug-17 A	Internal Bid Package Review - Upgrade PS#0692																			
PS32940	Design Documents Sent to Procurement - Upgrade PS#0692	0	04-Aug-17 A		◆ Design Documents Sent to Procurement - Upgrade PS#0692																			
PS51640	EPA Start Date for Procurement - Upgrade PS#0692	0	01-Sep-17 A		◆ EPA Start Date for Procurement - Upgrade PS#0692																			
PS50920	EPA Compliance Date for Procurement - Upgrade PS#0692	0		05-Oct-17 A	◆ EPA Compliance Date for Procurement - Upgrade PS#0692																			
PS32950	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692	70	04-Aug-17 A	14-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692																			
PS32960	Advertise Bid Package - Upgrade PS#0692	0		15-Feb-18 A	◆ Advertise Bid Package - Upgrade PS#0692																			
PS32970	Bid Solicitation Period - Upgrade PS#0692	45	15-Feb-18 A	01-Apr-18 A	Bid Solicitation Period - Upgrade PS#0692																			
PS32980	Bids Due - Upgrade PS#0692	0		02-Apr-18 A	◆ Bids Due - Upgrade PS#0692																			

** EPA Interim Milestone date was missed.

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										
PS51750	EPA Start Date for Permitting - PS#0416**	0	14-May-15 A		for Permitting - PS#0416**																																															
PS50130	DERM Permit Submittal - PS#0416	0	25-May-16 A		◆ DERM Permit Submittal - PS#0416																																															
PS50150	Dem Permit Submittal Review - PS#0416	23	25-May-16 A	16-Jun-16 A	■ Dem Permit Submittal Review - PS#0416																																															
PS50190	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0416	77	17-Jun-16 A	01-Sep-16 A	■ A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0416																																															
PS50120	Bldg. Dept. Permit Submittal - PS#0416	0	29-Sep-16 A		◆ Bldg. Dept. Permit Submittal - PS#0416																																															
PS50160	Bldg. Dept. Permit Submittal Review - PS#0416	55	29-Sep-16 A	22-Nov-16 A	■ Bldg. Dept. Permit Submittal Review - PS#0416																																															
PS50210	DERM Permit Approval - PS#0416	104	02-Sep-16 A	14-Dec-16 A	■ DERM Permit Approval - PS#0416																																															
PS50180	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416	144	23-Nov-16 A	15-Apr-17 A	■ A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416																																															
PS10230	Permitting - PS#0416	351	24-May-16 A	09-May-17 A	■ Permitting - PS#0416																																															
PS50230	Bldg. Dept. Permit Approval - PS#0416	24	16-Apr-17 A	09-May-17 A	■ Bldg. Dept. Permit Approval - PS#0416																																															
PS51030	EPA Compliance Date for Permitting - PS#0416	0		31-May-17 A	◆ EPA Compliance Date for Permitting - PS#0416																																															
Procurement					799 08-Jun-15 A 15-Aug-17 A																																															
PS51760	EPA Start Date for Procurement - PS#0416**	0	08-Jun-15 A		EPA Start Date for Procurement - PS#0416**																																															
PS32470	Design Documents Sent to Procurement - PS#0416	0	15-Nov-16 A		◆ Design Documents Sent to Procurement - PS#0416																																															
PS32480	Submit/Approve SBD Goals and Request to Advertise - PS#0416	127	15-Nov-16 A	21-Mar-17 A	■ Submit/Approve SBD Goals and Request to Advertise - PS#0416																																															
PS32490	Advertise Bid Package - PS#0416	0	22-Mar-17 A		◆ Advertise Bid Package - PS#0416																																															
PS32500	Bid Solicitation Period - PS#0416	36	22-Mar-17 A	26-Apr-17 A	■ Bid Solicitation Period - PS#0416																																															
PS32510	Bids Due - PS#0416	0	27-Apr-17 A		◆ Bids Due - PS#0416																																															
PS32520	Bid Review Period - PS#0416	41	27-Apr-17 A	06-Jun-17 A	■ Bid Review Period - PS#0416																																															
PS32530	Award Recommendation - PS#0416	0		06-Jun-17 A	◆ Award Recommendation - PS#0416																																															
PS10400	Procurement - PS#0416	246	15-Nov-16 A	18-Jul-17 A	■ Procurement - PS#0416																																															
PS32540	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0416	42	07-Jun-17 A	18-Jul-17 A	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0416																																															
PS51040	EPA Compliance Date for Procurement - PS#0416	0		15-Aug-17 A	◆ EPA Compliance Date for Procurement - PS#0416																																															
Construction					694 20-Jul-17 A 13-Jun-19																																															
PS32550	Contractor Notice to Proceed (NTP) - PS#0416	0	20-Jul-17 A		◆ Contractor Notice to Proceed (NTP) - PS#0416																																															
PS51770	EPA Start Date for Construction - PS#0416	0	16-Aug-17 A		◆ EPA Start Date for Construction - PS#0416																																															
PS10590	Construction - PS#0416	300	20-Jul-17 A	12-Dec-18	■ Construction - PS#0416																																															
PS723030	Commissioning - PS#0416	60	14-Oct-18	12-Dec-18	■ Commissioning - PS#0416																																															
PS10780	Substantial Completion (CD Compliance Date 6/13/19) - PS#0416	0		12-Dec-18*	◆ Substantial Completion (CD Compliance Date 6/13/19) - PS#0416																																															
PS40810	Project Closeout - PS#0416	60	13-Dec-18	10-Feb-19*	■ Project Closeout - PS#0416																																															
PS51050	EPA Compliance Date for Construction - PS#0416	0		13-Jun-19*	◆ EPA Compliance Date for Construction - PS#0416																																															
Project Administration					1255 06-Feb-15 A 10-Feb-19																																															
PS35310	WASD Project Administration - PS#0416	1255	06-Feb-15 A	10-Feb-19	■ WASD Project Administration - PS#0416																																															
5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#0417					2177 10-Aug-14 A 25-Jul-20																																															
Pre-Design					128 30-Sep-14 A 05-Feb-15 A																																															
PS20270	Pre-Design - PS#0417	129	30-Sep-14 A	05-Feb-15 A	■ Pre-Design - PS#0417																																															
Engineering Design					601 07-Oct-14 A 30-May-16 A																																															
PS51780	EPA Start Date for Engineering Design - PS#0417**	0	07-Oct-14 A		EPA Start Date for Engineering Design - PS#0417**																																															
PS30670	Basis of Design Report (BODR) - PS#0417	130	06-Feb-15 A	15-Jun-15 A	■ Basis of Design Report (BODR) - PS#0417																																															
PS30680	BODR Review Period - PS#0417	120	16-Jun-15 A	13-Oct-15 A	■ BODR Review Period - PS#0417																																															
PS31280	Negotiate Scope & Fee of Remaining Design - PS#0417	147	23-Jul-15 A	16-Dec-15 A	■ Negotiate Scope & Fee of Remaining Design - PS#0417																																															
PS30690	30% Design Submittal - PS#0417	76	14-Oct-15 A	28-Dec-15 A	■ 30% Design Submittal - PS#0417																																															
PS30700	30% Design Review - PS#0417	15	29-Dec-15 A	12-Jan-16 A	■ 30% Design Review - PS#0417																																															
PS30710	60% Design Submittal - PS#0417	46	13-Jan-16 A	27-Feb-16 A	■ 60% Design Submittal - PS#0417																																															
PS30720	60% Design Review - PS#0417	13	28-Feb-16 A	11-Mar-16 A	■ 60% Design Review - PS#0417																																															
PS51060	EPA Compliance Date for Engineering Design - PS#0417**	0		16-Apr-16 A	◆ EPA Compliance Date for Engineering Design - PS#0417**																																															
PS10130	Engineering Design - PS#0417	480	06-Feb-15 A	30-May-16 A	■ Engineering Design - PS#0417																																															
PS30730	100% Design Submittal - PS#0417	78	14-Mar-16 A	30-May-16 A	■ 100% Design Submittal - PS#0417																																															
Permitting					1087 10-Aug-14 A 01-Aug-17 A																																															
PS51790	EPA Start Date for Permitting - PS#0417**	0	10-Aug-14 A		EPA Start Date for Permitting - PS#0417**																																															
PS50020	DERM Permit Submittal - PS#0417	0	31-May-16 A		◆ DERM Permit Submittal - PS#0417																																															
PS50030	Dem Permit Submittal Review - PS#0417	14	01-Jun-16 A	14-Jun-16 A	■ Dem Permit Submittal Review - PS#0417																																															
PS50070	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0417	79	15-Jun-16 A	01-Sep-16 A	■ A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0417																																															
PS50000	Bldg. Dept. Permit Submittal - PS#0417	0	29-Sep-16 A		◆ Bldg. Dept. Permit Submittal - PS#0417																																															
PS50100	DERM Permit Approval - PS#0417	77	02-Sep-16 A	17-Nov-16 A	■ DERM Permit Approval - PS#0417																																															
PS50010	Bldg. Dept. Permit Submittal Review - PS#0417	53	29-Sep-16 A	20-Nov-16 A	■ Bldg. Dept. Permit Submittal Review - PS#0417																																															
PS50060	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0417	146	21-Nov-16 A	15-Apr-17 A	■ A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0417																																															
PS51070	EPA Compliance Date for Permitting - PS#0417**	0		31-Jul-17 A	◆ EPA Compliance Date for Permitting - PS#0417**																																															
PS10290	Permitting - PS#0417	429	30-May-16 A	01-Aug-17 A	■ Permitting - PS#0417																																															
PS50090	Bldg. Dept. Permit Approval - PS#0417	108	16-Apr-17 A	01-Aug-17 A	■ Bldg. Dept. Permit Approval - PS#0417																																															
Procurement					451 09-Dec-16 A 25-Jan-18 A																																															
PS32560	Design Documents Sent to Procurement - PS#0417	0	09-Dec-16 A		◆ Design Documents Sent to Procurement - PS#0417																																															
PS51800	EPA Start Date for Procurement - PS#0417	0	01-Feb-17 A		◆ EPA Start Date for Procurement - PS#0417																																															
PS32570	Submit/Approve SBD Goals and Request to Advertise - PS#0417	195	09-Dec-16 A	21-Jun-17 A	■ Submit/Approve SBD Goals and Request to Advertise - PS#0417																																															
PS32580	Advertise Bid Package - PS#0417	0	22-Jun-17 A		◆ Advertise Bid Package - PS#0417																																															
PS32590	Bid Solicitation Period - PS#0417	63	22-Jun-17 A	23-Aug-17 A	■ Bid Solicitation Period - PS#0417																																															
PS32600	Bids Due - PS#0417	0	24-Aug-17 A		◆ Bids Due - PS#0417																																															
PS51080	EPA Compliance Date for Procurement - PS#0417	0		30-Sep-17 A	◆ EPA Compliance Date for Procurement - PS#0417																																															
PS32610	Bid Review Period - PS#0417	51	24-Aug-17 A	28-Dec-17 A	■ Bid Review Period - PS#0417																																															

** EPA Interim Milestone date was missed.

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
Construction					01-Jul-18, Construction																																	
PS10595	Contractor Notice to Proceed (NTP) - Upgrade PS#0488	0	03-May-16 A	01-Jul-18	◆ Contractor Notice to Proceed (NTP) - Upgrade PS#0488																																	
PS10600	Construction - Upgrade PS#0488	220	03-May-16 A	08-Dec-16 A	■ Construction - Upgrade PS#0488																																	
PS10800	Substantial Completion (CD Compliance Date 5/09/18) - Upgrade PS#0488	0		08-Dec-16 A	◆ Substantial Completion (CD Compliance Date 5/09/18) - Upgrade PS#0488																																	
PS51930	EPA Start Date for Construction - Upgrade PS#0488	0	16-Mar-17 A		◆ EPA Start Date for Construction - Upgrade PS#0488																																	
PS51220	EPA Compliance Date for Construction - Upgrade PS#0488	0		09-May-18 A	◆ EPA Compliance Date for Construction - Upgrade PS#0488																																	
PS40850	Project Closeout - Upgrade PS#0488	305	09-Dec-16 A	01-Jul-18*	■ Project Closeout - Upgrade PS#0488																																	
Project Administration					01-Jul-18, Project Administration																																	
PS35270	WASD Project Administration - Upgrade PS#0488	921	03-Apr-15 A	01-Jul-18	■ WASD Project Administration - Upgrade PS#0488																																	
5.11 Installation of 48 inch FM from Kendall Dr. to the Suction Side of PS#0536					18-May-19, 5.11 Installation of 48 inch FM from Kendall Dr. to the Suction Side of PS#0536																																	
Pre-Design					14-Dec-15 A, Pre-Design																																	
PS20160	Negotiate Balance of Design Scope & Fee (HDR) - Install 60" FM from Kendal Dr. to PS#0536	136	31-Jul-15 A	14-Dec-15 A	■ Negotiate Balance of Design Scope & Fee (HDR) - Install 60" FM from Kendal Dr. to PS#0536																																	
Engineering Design					15-Jul-16 A, Engineering Design																																	
PS51940	EPA Start Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0	07-Oct-14 A		◆ EPA Start Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**																																	
PS51210	EPA Compliance Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0		13-May-15 A	◆ EPA Compliance Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**																																	
PS20170	Basis of Design Report (BODR) - Install 60" FM from Kendal Dr. to PS#0536	220	17-Dec-14 A	24-Jul-15 A	■ Basis of Design Report (BODR) - Install 60" FM from Kendal Dr. to PS#0536																																	
PS20210	60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	133	16-Dec-15 A	26-Apr-16 A	■ 60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536																																	
PS31340	60% Design Review - Install 60" FM from Kendal Dr. to PS#0536	7	27-Apr-16 A	03-May-16 A	■ 60% Design Review - Install 60" FM from Kendal Dr. to PS#0536																																	
PS10060	Engineering Design - Install 60" FM from Kendal Dr. to PS#0536	524	17-Dec-14 A	23-May-16 A	■ Engineering Design - Install 60" FM from Kendal Dr. to PS#0536																																	
PS20230	90% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	73	04-May-16 A	15-Jul-16 A	■ 90% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536																																	
Permitting					31-Mar-17 A, Permitting																																	
PS51950	EPA Start Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536**	0	14-May-15 A		◆ EPA Start Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536**																																	
PS10210	Permitting - Install 60" FM from Kendal Dr. to PS#0536	178	31-Aug-16 A	24-Feb-17 A	■ Permitting - Install 60" FM from Kendal Dr. to PS#0536																																	
PS51200	EPA Compliance Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536	0		31-Mar-17 A	◆ EPA Compliance Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536																																	
Procurement					31-Aug-17 A, Procurement																																	
PS51960	EPA Start Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536**	0	08-Jun-15 A		◆ EPA Start Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536**																																	
PS72030	GMOU Submittal and Approval - Install 60" FM from Kendal Dr. to PS#0536	23	29-Nov-16 A	21-Dec-16 A	■ GMOU Submittal and Approval - Install 60" FM from Kendal Dr. to PS#0536																																	
PS72040	Internal Bid Package Review - Install 60" FM from Kendal Dr. to PS#0536	4	03-Apr-17 A	06-Apr-17 A	■ Internal Bid Package Review - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33120	Design Documents Sent to Procurement - Install 60" FM from Kendal Dr. to PS#0536	0	07-Apr-17 A		◆ Design Documents Sent to Procurement - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33130	Submit/Approve SBD Goals and Request to Advertise - Install 60" FM from Kendal Dr. to PS#0536	17	07-Apr-17 A	23-Apr-17 A	■ Submit/Approve SBD Goals and Request to Advertise - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33140	Advertise Bid Package - Install 60" FM from Kendal Dr. to PS#0536	0	24-Apr-17 A		◆ Advertise Bid Package - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33150	Bid Solicitation Period - Install 60" FM from Kendal Dr. to PS#0536	52	24-Apr-17 A	14-Jun-17 A	■ Bid Solicitation Period - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33160	Bids Due - Install 60" FM from Kendal Dr. to PS#0536	0	15-Jun-17 A		◆ Bids Due - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33170	Bid Review Period - Install 60" FM from Kendal Dr. to PS#0536	37	15-Jun-17 A	21-Jul-17 A	■ Bid Review Period - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33180	Award Recommendation - Install 60" FM from Kendal Dr. to PS#0536	0		21-Jul-17 A	◆ Award Recommendation - Install 60" FM from Kendal Dr. to PS#0536																																	
PS33190	Final Approvals (BCC, Mayor, Risk Mgmt.) - Install 60" FM from Kendal Dr. to PS#0536	69	22-Jun-17 A	29-Aug-17 A	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - Install 60" FM from Kendal Dr. to PS#0536																																	
PS10380	Procurement - Install 60" FM from Kendal Dr. to PS#0536	188	24-Feb-17 A	30-Aug-17 A	■ Procurement - Install 60" FM from Kendal Dr. to PS#0536																																	
PS51190	EPA Compliance Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536	0		31-Aug-17 A	◆ EPA Compliance Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536																																	
Construction					18-May-19, Construction																																	
PS51970	EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536**	0	18-Jan-17 A		◆ EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536**																																	
PS33200	Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536	0	30-Aug-17 A		◆ Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536																																	
PS10570	Construction - Install 60" FM from Kendal Dr. to PS#0536	261	30-Aug-17 A	31-Jul-18	■ Construction - Install 60" FM from Kendal Dr. to PS#0536																																	
PS723060	Commissioning - Install 60" FM from Kendal Dr. to PS#0536	30	02-Jul-18	31-Jul-18	■ Commissioning - Install 60" FM from Kendal Dr. to PS#0536																																	
PS10810	Substantial Completion (CD Compliance Date 5/18/19) - Install 60" FM from Kendal Dr. to PS#0536	0		31-Jul-18*	◆ Substantial Completion (CD Compliance Date 5/18/19) - Install 60" FM from Kendal Dr. to PS#0536																																	
PS40860	Project Closeout - Install 60" FM from Kendal Dr. to PS#0536	90	01-Aug-18	29-Oct-18*	■ Project Closeout - Install 60" FM from Kendal Dr. to PS#0536																																	
PS51180	EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to PS#0536	0		18-May-19*	◆ EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to PS#0536																																	
Project Administration					29-Oct-18, Project Administration																																	
PS35260	WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536	1338	17-Dec-14 A	29-Oct-18	■ WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536																																	
5.12 Replacement of Switchgear at PS#0187					26-Mar-19, 5.12 Replacement of Switchgear at PS#0187																																	
Pre-Design					29-Oct-14 A, Pre-Design																																	
PS20480	Pre-Design - Replace S/G at PS#0187	118	29-Oct-14 A	24-Feb-15 A	■ Pre-Design - Replace S/G at PS#0187																																	
Engineering Design					25-Nov-15 A, Engineering Design																																	
PS51980	EPA Start Date for Engineering Design - Replace S/G at PS#0187**	0	07-Oct-14 A		◆ EPA Start Date for Engineering Design - Replace S/G at PS#0187**																																	
PS30880	Preliminary Engineering Report (PER) - Replace S/G at PS#0187	42	25-Feb-15 A	07-Apr-15 A	■ Preliminary Engineering Report (PER) - Replace S/G at PS#0187																																	
PS30890	PER Review Period - Replace S/G at PS#0187	27	08-Apr-15 A	04-May-15 A	■ PER Review Period - Replace S/G at PS#0187																																	
PS51170	EPA Compliance Date for Engineering Design - Replace S/G at PS#0187**	0		13-May-15 A	◆ EPA Compliance Date for Engineering Design - Replace S/G at PS#0187**																																	
PS32190	Negotiate Balance of Design - Replace S/G at PS#0187	57	05-May-15 A	30-Jun-15 A	■ Negotiate Balance of Design - Replace S/G at PS#0187																																	
PS31300	30% Design Submittal - Replace S/G at PS#0187	59	01-Jul-15 A	28-Aug-15 A	■ 30% Design Submittal - Replace S/G at PS#0187																																	
PS31310	30% Design Review - Replace S/G at PS#0187	13	31-Aug-15 A	12-Sep-15 A	■ 30% Design Review - Replace S/G at PS#0187																																	
PS30920	60% Design Submittal - Replace S/G at PS#0187	33	14-Sep-15 A	16-Oct-15 A	■ 60% Design Submittal - Replace S/G at PS#0187																																	
PS30930	60% Design Review - Replace S/G at PS#0187	10	17-Oct-15 A	26-Oct-15 A	■ 60% Design Review - Replace S/G at PS#0187																																	
PS10050	Engineering Design - Replace S/G at PS#0187	275	24-Feb-15 A	25-Nov-15 A	■ Engineering Design - Replace S/G at PS#0187																																	
PS30940	100% Design Submittal - Replace S/G at PS#0187	30	27-Oct-15 A	25-Nov-15 A	■ 100% Design Submittal - Replace S/G at PS#0187																																	
Permitting					10-Aug-16 A, Permitting																																	
PS51990	EPA Start Date for Permitting - Replace S/G at PS#0187**	0	14-May-15 A		◆ EPA Start Date for Permitting - Replace S/G at PS#0187**																																	
PS41670	DERM Permit - Replace S/G at PS#0187	29	24-Nov-15 A	22-Dec-15 A	■ DERM Permit - Replace S/G at PS#0187																																	
PS51160	EPA Compliance Date for Permitting - Replace S/G at PS#0187**	0		23-May-16 A	◆ EPA Compliance Date for Permitting - Replace S/G at PS#0187**																																	
PS10200	Permitting - Replace S/G at PS#0187	249	24-Nov-15 A	29-Jul-16 A	■ Permitting - Replace S/G at PS#0187																																	
PS41680	RER Bldg. Dept Permit - Replace S/G at PS#0187	133	31-Mar-16 A	10-Aug-16 A	■ RER Bldg. Dept Permit - Replace S/G at PS#0187																																	
Procurement					03-Nov-17 A, Procurement																																	
		877	08-Jun-15 A	03-Nov-17 A	■ Procurement																																	

** EPA Interim Milestone date was missed.

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
PS12022	Procurement - PS#0065 Compliance Project	64	23-Feb-15 A	27-Apr-15 A	S#0065 Compliance Project																																	
Construction		225	11-May-15 A	22-Dec-15 A	22-Dec-15 A, Construction																																	
PS12032	Construction - PS#0065 Compliance Project	226	11-May-15 A	22-Dec-15 A	Construction - PS#0065 Compliance Project																																	
PS12042	Substantial Completion (CD Compliance Date 12/31/15) - PS#0065 Compliance Project	0		22-Dec-15 A	Substantial Completion (CD Compliance Date 12/31/15) - PS#0065 Compliance Project																																	
Project Administration		421	27-Oct-14 A	22-Dec-15 A	22-Dec-15 A, Project Administration																																	
PS72720	WASD Project Administration - PS#0065 Compliance Project	422	27-Oct-14 A	22-Dec-15 A	WASD Project Administration - PS#0065 Compliance Project																																	
5.15 (1.1) FM for Pump Station 0065 Phase 1		446	01-Aug-14 A	21-Oct-15 A	Oct-15 A, 5.15 (1.1) FM for Pump Station 0065 Phase 1																																	
Pre-Design		87	01-Aug-14 A	26-Oct-14 A	5 Phase 1																																	
PS31110	Pre-Design - FM for PS#0065 Phase 1	87	01-Aug-14 A	26-Oct-14 A	ng Design																																	
Engineering Design		81	27-Oct-14 A	16-Jan-15 A	M for PS#0065 Phase 1																																	
PS31060	Engineering Design - FM for PS#0065 Phase 1	82	27-Oct-14 A	16-Jan-15 A	ng																																	
Permitting		28	19-Jan-15 A	16-Feb-15 A	r PS#0065 Phase 1																																	
PS31070	Permitting - FM for PS#0065 Phase 1	29	19-Jan-15 A	16-Feb-15 A	Procurement																																	
Procurement		91	23-Feb-15 A	25-May-15 A	FM for PS#0065 Phase 1																																	
PS31080	Procurement - FM for PS#0065 Phase 1	92	23-Feb-15 A	25-May-15 A	Oct-15 A, Construction																																	
Construction		148	26-May-15 A	21-Oct-15 A	Construction - FM for PS#0065 Phase 1																																	
PS31090	Construction - FM for PS#0065 Phase 1	149	26-May-15 A	21-Oct-15 A																																		
PS31100	Substantial Completion (CD Compliance Date 12/31/15) - FM for PS#0065 Phase 1	0		21-Oct-15 A	Substantial Completion (CD Compliance Date 12/31/15) - FM for PS#0065 Phase 1																																	
Project Administration		359	27-Oct-14 A	21-Oct-15 A	Oct-15 A, Project Administration																																	
PS72730	WASD Project Administration - FM for PS#0065 Phase 1	360	27-Oct-14 A	21-Oct-15 A	WASD Project Administration - FM for PS#0065 Phase 1																																	
5.15 (1.2) FM for Pump Station 0065 Phase 2 (Non-Consent Decree)		1407	28-Aug-14 A	04-Jul-18	04-Jul-18, 5.15 (1.2) FM for Pump Station 0065 Phase 2 (Non-Consent Decree)																																	
Pre-Design		425	28-Aug-14 A	27-Oct-15 A	Oct-15 A, Pre-Design																																	
PS72170	Pre-Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	426	28-Aug-14 A	27-Oct-15 A	-Design - FM for PS#0065 Phase 2 (Non-Consent Decree)																																	
Engineering Design		216	28-Oct-15 A	31-May-16 A	31-May-16 A, Engineering Design																																	
PS72180	Engineering Design - FM for PS#0065 Phase 2 (Non-Consent Decree)	217	28-Oct-15 A	31-May-16 A	Engineering Design - FM for PS#0065 Phase 2 (Non-Consent Decree)																																	
Permitting		77	01-Jun-16 A	17-Aug-16 A	17-Aug-16 A, Permitting																																	
PS72190	Permitting - FM for PS#0065 Phase 2 (Non-Consent Decree)	78	01-Jun-16 A	17-Aug-16 A	Permitting - FM for PS#0065 Phase 2 (Non-Consent Decree)																																	
Procurement		199	19-Sep-16 A	06-Apr-17 A	06-Apr-17 A, Procurement																																	
PS72200	Procurement - FM for PS#0065 Phase 2 (Non-Consent Decree)	200	19-Sep-16 A	06-Apr-17 A	Procurement - FM for PS#0065 Phase 2 (Non-Consent Decree)																																	
Construction		454	07-Apr-17 A	04-Jul-18	04-Jul-18, Construction																																	
PS72210	Construction - FM for PS#0065 Phase 2 (Non-Consent Decree)	294	07-Apr-17 A	04-Jul-18	Construction - FM for PS#0065 Phase 2 (Non-Consent Decree)																																	
PS72220	Substantial Completion - FM for PS#0065 Phase 2 (Non-Consent Decree)	0		04-Jul-18*	Substantial Completion - FM for PS#0065 Phase 2 (Non-Consent Decree)																																	
Project Administration		821	28-Oct-15 A	04-Jul-18	04-Jul-18, Project Administration																																	
PS72740	WASD Project Administration - FM for PS#0065 Phase 2 (Non-Consent Decree)	821	28-Oct-15 A	04-Jul-18	WASD Project Administration - FM for PS#0065 Phase 2 (Non-Consent Decree)																																	
5.15 (2) Pump Station 0201 Compliance Project		976	01-Jan-13 A	04-Sep-15 A	04-Sep-15 A, 5.15 (2) Pump Station 0201 Compliance Project																																	
Engineering Design		367	01-Jan-13 A	03-Jan-14 A	S#0201 Compliance Project																																	
PS12052	Engineering Design - PS#0201 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	S#0201 Compliance Project																																	
Permitting		172	06-Jan-14 A	27-Jun-14 A	201 Compliance Project																																	
PS12062	Permitting - PS#0201 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	Permitting																																	
Procurement		262	30-Jun-14 A	19-Mar-15 A	#0201 Compliance Project																																	
PS12072	Procurement - PS#0201 Compliance Project	263	30-Jun-14 A	19-Mar-15 A	04-Sep-15 A, Construction																																	
Construction		168	20-Mar-15 A	04-Sep-15 A	Construction - PS#0201 Compliance Project																																	
PS12082	Construction - PS#0201 Compliance Project	169	20-Mar-15 A	04-Sep-15 A	Construction - PS#0201 Compliance Project																																	
PS12092	Substantial Completion (CD Compliance Date 12/31/15) - PS#0201 Compliance Project	0		04-Sep-15 A	Substantial Completion (CD Compliance Date 12/31/15) - PS#0201 Compliance Project																																	
Project Administration		976	01-Jan-13 A	04-Sep-15 A	04-Sep-15 A, Project Administration																																	
PS72750	WASD Project Administration - PS#0201 Compliance Project	977	01-Jan-13 A	04-Sep-15 A	WASD Project Administration - PS#0201 Compliance Project																																	
5.15 (3) Pump Station 0334 Compliance Project		1093	01-Jan-13 A	30-Dec-15 A	30-Dec-15 A, 5.15 (3) Pump Station 0334 Compliance Project																																	
Engineering Design		367	01-Jan-13 A	03-Jan-14 A	S#0334 Compliance Project																																	
PS12102	Engineering Design - PS#0334 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	S#0334 Compliance Project																																	
Permitting		172	06-Jan-14 A	27-Jun-14 A	334 Compliance Project																																	
PS12112	Permitting - PS#0334 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	334 Compliance Project																																	
Procurement		232	17-Jun-14 A	04-Feb-15 A	Procurement																																	
PS12122	Procurement - PS#0334 Compliance Project	233	17-Jun-14 A	04-Feb-15 A	#0334 Compliance Project																																	
Construction		328	05-Feb-15 A	30-Dec-15 A	30-Dec-15 A, Construction																																	
PS12132	Construction - PS#0334 Compliance Project	329	05-Feb-15 A	30-Dec-15 A	Construction - PS#0334 Compliance Project																																	
PS12142	Substantial Completion (CD Compliance Date 12/31/15) - PS#0334 Compliance Project	0		30-Dec-15 A	Substantial Completion (CD Compliance Date 12/31/15) - PS#0334 Compliance Project																																	
Project Administration		1093	01-Jan-13 A	30-Dec-15 A	30-Dec-15 A, Project Administration																																	
PS72690	WASD Project Administration - PS#0334 Compliance Project	1094	01-Jan-13 A	30-Dec-15 A	WASD Project Administration - PS#0334 Compliance Project																																	
5.15 (3.1) FM for Pump Station 0334		846	01-Jan-13 A	27-Apr-15 A	5 (3.1) FM for Pump Station 0334																																	
Engineering Design		367	01-Jan-13 A	03-Jan-14 A	M for Pump Station 0334																																	
PS12152	Engineering Design - FM for Pump Station 0334	368	01-Jan-13 A	03-Jan-14 A	M for Pump Station 0334																																	
Permitting		219	06-Jan-14 A	13-Aug-14 A	r Pump Station 0334																																	
PS12162	Permitting - FM for Pump Station 0334	220	06-Jan-14 A	13-Aug-14 A	r Pump Station 0334																																	
Procurement		146	30-Jun-14 A	23-Nov-14 A	l for Pump Station 0334																																	
PS12172	Procurement - FM for Pump Station 0334	147	30-Jun-14 A	23-Nov-14 A	nstruction																																	
Construction		154	24-Nov-14 A	27-Apr-15 A	Construction - FM for Pump Station 0334																																	
PS12182	Construction - FM for Pump Station 0334	155	24-Nov-14 A	27-Apr-15 A	Construction - FM for Pump Station 0334																																	
PS12192	Substantial Completion (CD Compliance Date 12/31/15) - FM for Pump Station 0334	0		27-Apr-15 A	pletion (CD Compliance Date 12/31/15) - FM for Pump Station 0334																																	
Project Administration		846	01-Jan-13 A	27-Apr-15 A	ject Administration																																	
PS72700	WASD Project Administration - FM for Pump Station 0334	847	01-Jan-13 A	27-Apr-15 A	WASD Project Administration - FM for Pump Station 0334																																	
5.15 (4) Pump Station No. 0374 Upgrade		1118	12-Dec-10 A	03-Jan-14 A	rade																																	
Engineering Design		1118	12-Dec-10 A	03-Jan-14 A																																		

** EPA Interim Milestone date was missed.

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	Q3	Q4
PS12202	Engineering Design - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	#0374 Upgrade																											
Permitting		1118	12-Dec-10 A	03-Jan-14 A																												
PS12212	Permitting - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	374 Upgrade																											
Procurement		1118	12-Dec-10 A	03-Jan-14 A																												
PS12222	Procurement - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	#0374 Upgrade																											
Construction		1118	12-Dec-10 A	03-Jan-14 A																												
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																												
Project Administration		1118	12-Dec-10 A	03-Jan-14 A																												
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																											
5.15 (4.1) Pump Station No. 0374 FM Installation																																
Engineering Design		1118	12-Dec-10 A	03-Jan-14 A																												
PS12252	Engineering Design - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	#0374 FM Installation																											
Permitting		1118	12-Dec-10 A	03-Jan-14 A																												
PS12262	Permitting - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	374 FM Installation																											
Procurement		1118	12-Dec-10 A	03-Jan-14 A																												
PS12272	Procurement - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	#0374 FM Installation																											
Construction		1118	12-Dec-10 A	03-Jan-14 A																												
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																												
Project Administration		1118	12-Dec-10 A	03-Jan-14 A																												
PS72680	WASD Project Administration - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	WASD Project Administration - PS#0374 FM Installation																											
5.15 (5) Pump Station 0607 Compliance Project																																
Engineering Design		367	01-Jan-13 A	03-Jan-14 A																												
PS12302	Engineering Design - PS#0607 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	#0607 Compliance Project																											
Permitting		151	06-Jan-14 A	06-Jun-14 A																												
PS12312	Permitting - PS#0607 Compliance Project	152	06-Jan-14 A	06-Jun-14 A	607 Compliance Project																											
Procurement		210	30-Jun-14 A	26-Jan-15 A																												
PS12322	Procurement - PS#0607 Compliance Project	211	30-Jun-14 A	26-Jan-15 A	#0607 Compliance Project																											
Construction		269	27-Jan-15 A	23-Oct-15 A																												
PS12332	Construction - PS#0607 Compliance Project	270	27-Jan-15 A	23-Oct-15 A	Construction - PS#0607 Compliance Project																											
PS12342	Substantial Completion (CD Compliance Date 12/31/15) - PS#0607 Compliance Project	0		23-Oct-15 A																												
Project Administration		1025	01-Jan-13 A	23-Oct-15 A																												
PS72670	WASD Project Administration - PS#0607 Compliance Project	1026	01-Jan-13 A	23-Oct-15 A	WASD Project Administration - PS#0607 Compliance Project																											
5.16 Upgrade of PS#0198, 0437, 0466, 0680																																
Engineering Design		273	02-Jan-15 A	02-Oct-15 A																												
PS71710	EPA Start Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	02-Jan-15 A																													
PS51400	EPA Compliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0		06-Sep-15 A																												
PS10330	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680	155	01-May-15 A	02-Oct-15 A	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680																											
Permitting		140	10-Aug-15 A	28-Dec-15 A																												
PS71720	EPA Start Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680	0	07-Sep-15 A																													
PS51410	EPA Compliance Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680**	0		05-Dec-15 A																												
PS10430	Permitting - Upgrade PS#0198, 0437, 0466, 0680	141	10-Aug-15 A	28-Dec-15 A	Permitting - Upgrade PS#0198, 0437, 0466, 0680																											
Procurement		229	04-Nov-15 A	20-Jun-16 A																												
PS71730	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680	0	06-Dec-15 A																													
PS51420	EPA Compliance Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680**	0		02-Jun-16 A																												
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		988	18-Apr-16 A	31-Dec-18																												
PS71740	EPA Start Date for Construction - Upgrade PS#0198, 0437, 0466, 0680	0	03-Jun-16 A																													
PS10540	Construction - Upgrade PS#0198, 0437, 0466, 0680	562	18-Apr-16 A	24-Jan-18 A	Construction - 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																												
PS51430	EPA Compliance Date for Construction - Upgrade PS#0198, 0437, 0466, 0680**	0		31-Dec-18*																												
5.16 (1) Pump Station 0198 Compliance Project																																
Pre-Design		179	03-Nov-14 A	30-Apr-15 A																												
PS20290	Pre-Design - PS#0198 Compliance Project	179	03-Nov-14 A	30-Apr-15 A	#0198 Compliance Project																											
Engineering Design		95	01-May-15 A	04-Aug-15 A																												
PS12352	Engineering Design - PS#0198 Compliance Project	96	01-May-15 A	04-Aug-15 A	Engineering Design - PS#0198 Compliance Project																											
Permitting		66	10-Aug-15 A	15-Oct-15 A																												
PS12362	Permitting - PS#0198 Compliance Project	67	10-Aug-15 A	15-Oct-15 A	Permitting - PS#0198 Compliance Project																											
Procurement		162	04-Nov-15 A	14-Apr-16 A																												
PS33300	Design Documents Sent to Procurement - PS#0198 Compliance Project	0	04-Nov-15 A																													
PS33310	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project	26	04-Nov-15 A	29-Nov-15 A	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project																											
PS33320	Advertise Bid Package - PS#0198 Compliance Project	0	07-Dec-15 A																													
PS33330	Bid Solicitation Period - PS#0198 Compliance Project	31	07-Dec-15 A	06-Jan-16 A	Bid Solicitation Period - PS#0198 Compliance Project																											
PS33340	Bids Due - PS#0198 Compliance Project	0	06-Jan-16 A																													
PS33350	Bid Review Period - PS#0198 Compliance Project	20	06-Jan-16 A	25-Jan-16 A	Bid Review Period - PS#0198 Compliance Project																											
PS41140	Bid Cancellation - PS#0198 Compliance Project	3	26-Jan-16 A	28-Jan-16 A	Bid Cancellation - PS#0198 Compliance Project																											
PS41150	Re-Bid Solicitation - PS#0198 Compliance Project	30	09-Feb-16 A	09-Mar-16 A	Re-Bid Solicitation - PS#0198 Compliance Project																											
PS41160	Re-Bids Due - PS#0198 Compliance Project	0	10-Mar-16 A																													
PS41170	Re-Bid Review Period - PS#0198 Compliance Project	14	10-Mar-16 A	23-Mar-16 A	Re-Bid Review Period - PS#0198 Compliance Project																											
PS33360	Award Recommendation - PS#0198 Compliance Project	0		23-Mar-16 A																												

** EPA Interim Milestone date was missed.

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
PS12372	Procurement - PS#0198 Compliance Project	163	04-Nov-15 A	14-Apr-16 A	Procurement - PS#0198 Compliance Project																																	
PS33370	Final Approvals - PS#0198 Compliance Project	22	24-Mar-16 A	14-Apr-16 A	Final Approvals - PS#0198 Compliance Project																																	
PS50780	P.O. Issued - PS#0198 Compliance Project	0		14-Apr-16 A	P.O. Issued - PS#0198 Compliance Project																																	
Construction					773 18-Apr-16 A 24-Jul-18																																	
PS33380	Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project	0	25-Apr-16 A		Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project																																	
PS12382	Construction - PS#0198 Compliance Project	562	18-Apr-16 A	24-Jan-18 A	Construction - PS#0198 Compliance Project																																	
PS12392	Substantial Completion - PS#0198 Compliance Project	0		24-Jan-18 A	Substantial Completion - PS#0198 Compliance Project																																	
PS40880	Project Closeout - PS#0198 Compliance Project	90	25-Jan-18 A	24-Jul-18*	Project Closeout - PS#0198 Compliance Project																																	
Project Administration					1005 01-May-15 A 24-Jul-18																																	
PS35240	WASD Project Administration - PS#0198 Compliance Project	1005	01-May-15 A	24-Jul-18	WASD Project Administration - PS#0198 Compliance Project																																	
5.16 (2) Pump Station No. 0437 Upgrade					1063 03-Nov-14 A 31-Jul-18																																	
Pre-Design					179 03-Nov-14 A 30-Apr-15 A																																	
PS20300	Pre-Design - PS#0437 Upgrade	179	03-Nov-14 A	30-Apr-15 A	Pre-Design - PS#0437 Upgrade																																	
Engineering Design					95 01-May-15 A 04-Aug-15 A																																	
PS12402	Engineering Design - PS#0437 Upgrade	96	01-May-15 A	04-Aug-15 A	Engineering Design - PS#0437 Upgrade																																	
Permitting					67 10-Aug-15 A 16-Oct-15 A																																	
PS12412	Permitting - PS#0437 Upgrade	68	10-Aug-15 A	16-Oct-15 A	Permitting - PS#0437 Upgrade																																	
Procurement					145 24-Nov-15 A 17-Apr-16 A																																	
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																																	
Construction					531 18-Apr-16 A 31-Jul-18																																	
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	31-Jul-18*	Project Closeout - PS#0437 Upgrade																																	
Project Administration					884 01-May-15 A 31-Jul-18																																	
PS35230	WASD Project Administration - PS#0437 Upgrade	884	01-May-15 A	31-Jul-18	WASD Project Administration - PS#0437 Upgrade																																	
5.16 (3) Pump Station 0466 Compliance Project					1063 03-Nov-14 A 31-Jul-18																																	
Pre-Design					264 03-Nov-14 A 24-Jul-15 A																																	
PS20310	Pre-Design - PS#0466 Compliance Project	264	03-Nov-14 A	24-Jul-15 A	Pre-Design - PS#0466 Compliance Project																																	
Engineering Design					67 27-Jul-15 A 02-Oct-15 A																																	
PS12452	Engineering Design - PS#0466 Compliance Project	68	27-Jul-15 A	02-Oct-15 A	Engineering Design - PS#0466 Compliance Project																																	
Permitting					0 02-Oct-15 A 02-Oct-15 A																																	
PS12462	Permitting - PS#0466 Compliance Project	1	02-Oct-15 A	02-Oct-15 A	Permitting - PS#0466 Compliance Project																																	
Procurement					115 26-Feb-16 A 20-Jun-16 A																																	
PS33480	Design Documents Sent to Procurement - PS#0466 Compliance Project	0	26-Feb-16 A		Design Documents Sent to Procurement - PS#0466 Compliance Project																																	
PS33490	Submit/Approve SBD Goals and Request to Advertise - PS#0466 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																																	
Construction					447 11-Jul-16 A 31-Jul-18																																	
PS33560	Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project	0	11-Jul-16 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	31-Jul-18*	Project Closeout - PS#0466 Compliance Project																																	
Project Administration					797 27-Jul-15 A 31-Jul-18																																	
PS35220	WASD Project Administration - PS#0466 Compliance Project	797	27-Jul-15 A	31-Jul-18	WASD Project Administration - PS#0466 Compliance Project																																	
5.16 (4) Pump Station 0680 Upgrade					1063 03-Nov-14 A 31-Jul-18																																	
Pre-Design					179 03-Nov-14 A 30-Apr-15 A																																	
PS20320	Pre-Design - PS#0680 Upgrade	179	03-Nov-14 A	30-Apr-15 A	Pre-Design - PS#0680 Upgrade																																	
Engineering Design					95 01-May-15 A 04-Aug-15 A																																	
PS12502	Engineering Design - PS#0680 Upgrade	96	01-May-15 A	04-Aug-15 A	Engineering Design - PS#0680 Upgrade																																	
Permitting					140 10-Aug-15 A 28-Dec-15 A																																	
PS12512	Permitting - PS#0680 Upgrade	141	10-Aug-15 A	28-Dec-15 A	Permitting - PS#0680 Upgrade																																	
Procurement					85 24-Nov-15 A 17-Feb-16 A																																	
PS33570	Design Documents Sent to Procurement - PS#0680 Upgrade	0	24-Nov-15 A		Design Documents Sent to Procurement - PS#0680 Upgrade																																	
PS33580	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade	16	24-Nov-15 A	09-Dec-15 A	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade																																	

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										
PS33590	Advertise Bid Package - PS#0680 Upgrade	0	09-Dec-15 A		Advertise Bid Package - PS#0680 Upgrade																																															
PS33600	Bid Solicitation Period - PS#0680 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bid Solicitation Period - PS#0680 Upgrade																																															
PS33610	Bids Due - PS#0680 Upgrade	0	09-Jan-16 A		Bids Due - PS#0680 Upgrade																																															
PS33620	Bid Review Period - PS#0680 Upgrade	12	09-Jan-16 A	20-Jan-16 A	Bid Review Period - PS#0680 Upgrade																																															
PS33630	Award Recommendation - PS#0680 Upgrade	0	20-Jan-16 A		Award Recommendation - PS#0680 Upgrade																																															
PS12522	Procurement - PS#0680 Upgrade	86	24-Nov-15 A	17-Feb-16 A	Procurement - PS#0680 Upgrade																																															
PS33640	Final Approvals - PS#0680 Upgrade	28	21-Jan-16 A	17-Feb-16 A	Final Approvals - PS#0680 Upgrade																																															
PS50800	P.O. Issued - PS#0680 Upgrade	0	17-Feb-16 A		P.O. Issued - PS#0680 Upgrade																																															
Construction					31-Jul-18, Construction																																															
PS33650	Contractor Notice to Proceed (NTP) - PS#0680 Upgrade	0	18-Apr-16 A		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																																															
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-18*	Project Closeout - PS#0680 Upgrade																																															
Project Administration					31-Jul-18, Project Administration																																															
PS35210	WASD Project Administration - PS#0680 Upgrade	884	01-May-15 A	31-Jul-18	WASD Project Administration - PS#0680 Upgrade																																															
5.17 Upgrade of PS#0037, 0351, 0370, 0403					20-Nov-18, 5.17 Upgrade of PS#0037, 0351, 0370, 0403																																															
Engineering Design					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					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					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					20-Nov-18, 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	20-Nov-18*		EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403																																															
5.17 (1) Pump Station 0037 Compliance Project					08-Aug-18, 5.17 (1) Pump Station 0037 Compliance Project																																															
Pre-Design					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					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					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					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					08-Aug-18, 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	08-Aug-18*	Project Closeout - PS#0037 Compliance Project																																															
Project Administration					08-Aug-18, Project Administration																																															

** EPA Interim Milestone date was missed.

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
PS35200	WASD Project Administration - PS#0037 Compliance Project	832	05-Oct-15 A	08-Aug-18	WASD Project Administration - PS#0037 Compliance Project																																	
5.17 (2) Pump Station No. 0351 Upgrade					02-Jul-18, 5.17 (2) Pump Station No. 0351 Upgrade																																	
Pre-Design					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					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					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																																	
PS41780	City of Miami Gardens Building Dept Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A	City of Miami Gardens Building Dept Permit - PS#0351 Upgrade																																	
PS50760	MDDTPW Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A	MDDTPW Permit - PS#0351 Upgrade																																	
Procurement					05-May-17 A, Procurement																																	
PS33750	Design Documents Sent to Procurement - PS#0351 Upgrade	0	23-Nov-16 A	05-May-17 A	Design Documents Sent to Procurement - PS#0351 Upgrade																																	
PS33760	Submit/Approve SBD Goals and Request to Advertise - PS#0351 Upgrade	70	23-Nov-16 A	31-Jan-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0351 Upgrade																																	
PS33770	Advertise Bid Package - PS#0351 Upgrade	0	01-Feb-17 A	08-Mar-17 A	Advertise Bid Package - PS#0351 Upgrade																																	
PS33780	Bid Solicitation Period - PS#0351 Upgrade	36	01-Feb-17 A	08-Mar-17 A	Bid Solicitation Period - PS#0351 Upgrade																																	
PS33790	Bids Due - PS#0351 Upgrade	0	09-Mar-17 A	21-Mar-17 A	Bids Due - PS#0351 Upgrade																																	
PS33800	Bid Review Period - PS#0351 Upgrade	13	09-Mar-17 A	21-Mar-17 A	Bid Review Period - PS#0351 Upgrade																																	
PS33810	Award Recommendation - PS#0351 Upgrade	0	21-Mar-17 A	05-May-17 A	Award Recommendation - PS#0351 Upgrade																																	
PS12622	Procurement - PS#0351 Upgrade	164	23-Nov-16 A	05-May-17 A	Procurement - PS#0351 Upgrade																																	
PS33820	Final Approvals - PS#0351 Upgrade	45	22-Mar-17 A	05-May-17 A	Final Approvals - PS#0351 Upgrade																																	
PS72570	P.O. Issued - PS#0351 Upgrade	0	05-May-17 A	02-Jul-18	P.O. Issued - PS#0351 Upgrade																																	
Construction					02-Jul-18, Construction																																	
PS33830	Contractor Notice to Proceed (NTP) - PS#0351 Upgrade	0	05-May-17 A	02-Jul-18	Contractor Notice to Proceed (NTP) - PS#0351 Upgrade																																	
PS12632	Construction - PS#0351 Upgrade	180	05-May-17 A	01-Dec-17 A	Construction - PS#0351 Upgrade																																	
PS12642	Substantial Completion (CD Compliance Date 11/20/18) - PS#0351 Upgrade	0	01-Dec-17 A	01-Dec-17 A	Substantial Completion (CD Compliance Date 11/20/18) - PS#0351 Upgrade																																	
PS40930	Project Closeout - PS#0351 Upgrade	50	01-Dec-17 A	02-Jul-18*	Project Closeout - PS#0351 Upgrade																																	
Project Administration					02-Jul-18, Project Administration																																	
PS35190	WASD Project Administration - PS#0351 Upgrade	668	12-Apr-16 A	02-Jul-18	WASD Project Administration - PS#0351 Upgrade																																	
5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM					22-Jul-18, 5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM																																	
Pre-Design					11-Apr-16 A, Pre-Design																																	
PS20360	Pre-Design - PS#0370 Upgrade and FM Installation	118	16-Dec-15 A	11-Apr-16 A	Pre-Design - PS#0370 Upgrade and FM Installation																																	
Engineering Design					23-Aug-16 A, Engineering Design																																	
PS50550	30% Design Submittal - PS#0370 Upgrade and FM Installation	49	12-Apr-16 A	30-May-16 A	30% Design Submittal - PS#0370 Upgrade and FM Installation																																	
PS50560	30% Design Review - PS#0370 Upgrade and FM Installation	18	31-May-16 A	17-Jun-16 A	30% Design Review - PS#0370 Upgrade and FM Installation																																	
PS50570	90% Design Submittal - PS#0370 Upgrade and FM Installation	35	18-Jun-16 A	22-Jul-16 A	90% Design Submittal - PS#0370 Upgrade and FM Installation																																	
PS12702	Engineering Design - PS#0370 Upgrade and FM Installation	134	12-Apr-16 A	23-Aug-16 A	Engineering Design - PS#0370 Upgrade and FM Installation																																	
PS50580	90% Design Review - PS#0370 Upgrade and FM Installation	32	23-Jul-16 A	23-Aug-16 A	90% Design Review - PS#0370 Upgrade and FM Installation																																	
Permitting					15-Feb-17 A, Permitting																																	
PS50590	RER DERM Permit - PS#0370 Upgrade and FM Installation	105	24-Aug-16 A	06-Dec-16 A	RER DERM Permit - PS#0370 Upgrade and FM Installation																																	
PS50750	Municipal PWD Permit - PS#0370 Upgrade and FM Installation	9	08-Dec-16 A	16-Dec-16 A	Municipal PWD Permit - PS#0370 Upgrade and FM Installation																																	
PS50730	City of Miami Gardens Building Dept. Permit - PS#0370 Upgrade and FM Installation	47	08-Dec-16 A	23-Jan-17 A	City of Miami Gardens Building Dept. Permit - PS#0370 Upgrade and FM Installation																																	
PS12712	Permitting - PS#0370 Upgrade and FM Installation	176	24-Aug-16 A	15-Feb-17 A	Permitting - PS#0370 Upgrade and FM Installation																																	
PS50740	MDDTPW Permit - PS#0370 Upgrade and FM Installation	70	08-Dec-16 A	15-Feb-17 A	MDDTPW Permit - PS#0370 Upgrade and FM Installation																																	
Procurement					06-Apr-17 A, Procurement																																	
PS33930	Design Documents Sent to Procurement - PS#0370 Upgrade and FM Installation	0	23-Nov-16 A	06-Apr-17 A	Design Documents Sent to Procurement - PS#0370 Upgrade and FM Installation																																	
PS33940	Submit/Approve SBD Goals and Request to Advertise - PS#0370 Upgrade and FM Installation	71	23-Nov-16 A	01-Feb-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0370 Upgrade and FM Installation																																	
PS33950	Advertise Bid Package - PS#0370 Upgrade and FM Installation	0	02-Feb-17 A	09-Mar-17 A	Advertise Bid Package - PS#0370 Upgrade and FM Installation																																	
PS33960	Bid Solicitation Period - PS#0370 Upgrade and FM Installation	36	02-Feb-17 A	09-Mar-17 A	Bid Solicitation Period - PS#0370 Upgrade and FM Installation																																	
PS33970	Bids Due - PS#0370 Upgrade and FM Installation	0	10-Mar-17 A	16-Mar-17 A	Bids Due - PS#0370 Upgrade and FM Installation																																	
PS33980	Bid Review Period - PS#0370 Upgrade and FM Installation	7	10-Mar-17 A	16-Mar-17 A	Bid Review Period - PS#0370 Upgrade and FM Installation																																	
PS33990	Award Recommendation - PS#0370 Upgrade and FM Installation	0	16-Mar-17 A	06-Apr-17 A	Award Recommendation - PS#0370 Upgrade and FM Installation																																	
PS12722	Procurement - PS#0370 Upgrade and FM Installation	135	23-Nov-16 A	06-Apr-17 A	Procurement - PS#0370 Upgrade and FM Installation																																	
PS34000	Final Approvals - PS#0370 Upgrade and FM Installation	21	17-Mar-17 A	06-Apr-17 A	Final Approvals - PS#0370 Upgrade and FM Installation																																	
PS41790	P.O. Issued - PS#0370 Upgrade and FM Installation	0	06-Apr-17 A	22-Jul-18	P.O. Issued - PS#0370 Upgrade and FM Installation																																	
Construction					22-Jul-18, Construction																																	
PS34010	Contractor Notice to Proceed (NTP) - PS#0370 Upgrade and FM Installation	0	12-Apr-17 A	22-Jul-18	Contractor Notice to Proceed (NTP) - PS#0370 Upgrade and FM Installation																																	
PS12732	Construction - PS#0370 Upgrade and FM Installation	180	12-Apr-17 A	11-Jan-18 A	Construction - PS#0370 Upgrade and FM Installation																																	
PS12742	Substantial Completion (CD Compliance Date 11/20/18) - PS#0370 Upgrade and FM Installation	0	11-Jan-18 A	11-Jan-18 A	Substantial Completion (CD Compliance Date 11/20/18) - PS#0370 Upgrade and FM Installation																																	
PS40950	Project Closeout - PS#0370 Upgrade and FM Installation	70	12-Jan-18 A	22-Jul-18*	Project Closeout - PS#0370 Upgrade and FM Installation																																	
Project Administration					22-Jul-18, Project Administration																																	
PS35170	WASD Project Administration - PS#0370 Upgrade and FM Installation	615	12-Apr-16 A	22-Jul-18	WASD Project Administration - PS#0370 Upgrade and FM Installation																																	
5.17 (4) Pump Station 0403 Upgrade					08-Aug-18, 5.17 (4) Pump Station 0403 Upgrade																																	
Pre-Design					11-Apr-16 A, Pre-Design																																	
PS20380	Pre-Design - PS#0403 Upgrade	118	16-Dec-15 A	11-Apr-16 A	Pre-Design - PS#0403 Upgrade																																	

** EPA Interim Milestone date was missed.

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
Engineering Design					05-Sep-16 A, Engineering Design																							
PS50610	30% Design Submittal - PS#0403 Upgrade	63	12-Apr-16 A	13-Jun-16 A	30% Design Submittal - PS#0403 Upgrade																							
PS50640	30% Design Review - PS#0403 Upgrade	37	14-Jun-16 A	20-Jul-16 A	30% Design Review - PS#0403 Upgrade																							
PS50650	90% Design Submittal - PS#0403 Upgrade	41	21-Jul-16 A	30-Aug-16 A	90% Design Submittal - PS#0403 Upgrade																							
PS12802	Engineering Design - PS#0403 Upgrade	148	11-Apr-16 A	05-Sep-16 A	Engineering Design - PS#0403 Upgrade																							
PS50660	90% Design Review - PS#0403 Upgrade	6	31-Aug-16 A	05-Sep-16 A	90% Design Review - PS#0403 Upgrade																							
Permitting					16-Feb-17 A, Permitting																							
PS50620	RER DERM Permit - PS#0403 Upgrade	74	05-Sep-16 A	17-Nov-16 A	RER DERM Permit - PS#0403 Upgrade																							
PS50720	MDDTPW Permit - PS#0403 Upgrade	19	08-Dec-16 A	26-Dec-16 A	MDDTPW Permit - PS#0403 Upgrade																							
PS12812	Permitting - PS#0403 Upgrade	165	05-Sep-16 A	16-Feb-17 A	Permitting - PS#0403 Upgrade																							
PS50630	RER Building Dept. Permit - PS#0403 Upgrade	71	08-Dec-16 A	16-Feb-17 A	RER Building Dept. Permit - PS#0403 Upgrade																							
Procurement					05-Apr-17 A, Procurement																							
PS34110	Design Documents Sent to Procurement - PS#0403 Upgrade	0	23-Nov-16 A		Design Documents Sent to Procurement - PS#0403 Upgrade																							
PS34120	Submit/Approve SBD Goals and Request to Advertise - PS#0403 Upgrade	58	23-Nov-16 A	19-Jan-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0403 Upgrade																							
PS34130	Advertise Bid Package - PS#0403 Upgrade (T2290)	0	20-Jan-17 A		Advertise Bid Package - PS#0403 Upgrade (T2290)																							
PS34140	Bid Solicitation Period - PS#0403 Upgrade	39	20-Jan-17 A	27-Feb-17 A	Bid Solicitation Period - PS#0403 Upgrade																							
PS34150	Bids Due - PS#0403 Upgrade	0	28-Feb-17 A		Bids Due - PS#0403 Upgrade																							
PS34160	Bid Review Period - PS#0403 Upgrade	9	28-Feb-17 A	08-Mar-17 A	Bid Review Period - PS#0403 Upgrade																							
PS34170	Award Recommendation - PS#0403 Upgrade	0		08-Mar-17 A	Award Recommendation - PS#0403 Upgrade																							
PS12822	Procurement - PS#0403 Upgrade	134	23-Nov-16 A	05-Apr-17 A	Procurement - PS#0403 Upgrade																							
PS34180	Final Approvals - PS#0403 Upgrade	28	09-Mar-17 A	05-Apr-17 A	Final Approvals - PS#0403 Upgrade																							
PS41800	P.O. Issued - PS#0403 Upgrade	0		05-Apr-17 A	P.O. Issued - PS#0403 Upgrade																							
Construction					08-Aug-18, Construction																							
PS34190	Contractor Notice to Proceed (NTP) - PS#0403 Upgrade	0	18-Apr-17 A		Contractor Notice to Proceed (NTP) - PS#0403 Upgrade																							
PS12842	Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0403 Upgrade	0		30-Apr-18 A	Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0403 Upgrade																							
PS12832	Construction - PS#0403 Upgrade	180	18-Apr-17 A	30-Apr-18 A	Construction - PS#0403 Upgrade																							
PS72020	Substantial Completion (Generators) - PS#0403 Upgrade	0		23-May-18 A	Substantial Completion (Generators) - PS#0403 Upgrade																							
PS40970	Project Closeout - PS#0403 Upgrade	70	01-May-18 A	08-Aug-18*	Project Closeout - PS#0403 Upgrade																							
Project Administration					08-Aug-18, Project Administration																							
PS35150	WASD Project Administration - PS#0403 Upgrade	622	11-Apr-16 A	08-Aug-18	WASD Project Administration - PS#0403 Upgrade																							
5.18 Upgrade of PS#0441, 0491, 0710, 0827, 0852, 1236					13-Dec-19, 5.18 Upgrade of PS#0441, 0491, 0710, 0827, 0852, 1236																							
Engineering Design					30-Sep-17 A, Engineering Design																							
PS71790	EPA Start Date for Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0	01-Mar-17 A		EPA Start Date for Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS10710	Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	357	09-Mar-17 A	23-Aug-17 A	Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS1480	EPA Compliance Date for Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		30-Sep-17 A	EPA Compliance Date for Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
Permitting					13-Jun-18 A, Permitting																							
PS71800	EPA Start Date for Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0	01-Oct-17 A		EPA Start Date for Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS51490	EPA Compliance Date for Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		30-Jan-18 A	EPA Compliance Date for Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS10730	Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	324	10-Jul-17 A	13-Jun-18 A	Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
Procurement					14-Aug-18, Procurement																							
PS71810	EPA Start Date for Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0	08-Oct-17 A		EPA Start Date for Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS51500	EPA Compliance Date for Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		06-Apr-18 A	EPA Compliance Date for Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS10740	Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	357	06-Feb-18 A	14-Aug-18	Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
Construction					13-Dec-19, Construction																							
PS71820	EPA Start Date for Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0	06-Apr-18 A		EPA Start Date for Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS10760	Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	443	12-Dec-17 A	31-May-19	Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS10840	Substantial Completion (CD Compliance Date 12/13/19) - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		31-May-19*	Substantial Completion (CD Compliance Date 12/13/19) - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
PS51510	EPA Compliance Date for Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	0		13-Dec-19*	EPA Compliance Date for Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236																							
5.18 (1) Pump Station 0441 Upgrade					29-Aug-19, 5.18 (1) Pump Station 0441 Upgrade																							
Pre-Design					27-Mar-17 A, Pre-Design																							
PS20390	Pre-Design - PS#0441 Upgrade	140	08-Nov-16 A	27-Mar-17 A	Pre-Design - PS#0441 Upgrade																							
Engineering Design					17-Jul-17 A, Engineering Design																							
PS72230	30% Design Submittal - PS#0441 Upgrade	23	28-Mar-17 A	19-Apr-17 A	30% Design Submittal - PS#0441 Upgrade																							
PS72240	30% Design Review - PS#0441 Upgrade	14	20-Apr-17 A	03-May-17 A	30% Design Review - PS#0441 Upgrade																							
PS72250	90% Design Submittal - PS#0441 Upgrade	58	04-May-17 A	30-Jun-17 A	90% Design Submittal - PS#0441 Upgrade																							
PS12852	Engineering Design - PS#0441 Upgrade	112	28-Mar-17 A	17-Jul-17 A	Engineering Design - PS#0441 Upgrade																							
PS72260	90% Design Review/Permit Ready Submittal - PS#0441 Upgrade	17	01-Jul-17 A	17-Jul-17 A	90% Design Review/Permit Ready Submittal - PS#0441 Upgrade																							
Permitting					15-Mar-18 A, Permitting																							
PS72270	RER/DERM Permit - PS#0441 Upgrade	106	18-Jul-17 A	15-Nov-17 A	RER/DERM Permit - PS#0441 Upgrade																							
PS72810	MDC Public Works Permit - PS#0441 Upgrade	49	02-Feb-18 A	08-Feb-18 A	MDC Public Works Permit - PS#0441 Upgrade																							
PS72280	County Bldg Dept Permit - PS#0441 Upgrade	49	14-Dec-17 A	05-Mar-18 A	County Bldg Dept Permit - PS#0441 Upgrade																							
PS12862	Permitting - PS#0441 Upgrade	155	18-Jul-17 A	15-Mar-18 A	Permitting - PS#0441 Upgrade																							
PS72300	Miami Gardens Public Works Permit - PS#0441 Upgrade	49	19-Oct-17 A	15-Mar-18 A	Miami Gardens Public Works Permit - PS#0441 Upgrade																							
PS72290	Miami Gardens Bldg Dept Permit - PS#0441 Upgrade	49	06-Mar-18 A	15-Mar-18 A	Miami Gardens Bldg Dept Permit - PS#0441 Upgrade																							
Procurement					04-Aug-18, Procurement																							
PS71860	Internal Bid Package Review - PS#0441 Upgrade	8	29-Jan-18 A	05-Feb-18 A	Internal Bid Package Review - PS#0441 Upgrade																							
PS34200	Design Documents Sent to Procurement - PS#0441 Upgrade	0	06-Feb-18 A		Design Documents Sent to Procurement - PS#0441 Upgrade																							
PS34210	Submit/Approve SBD Goals and Request to Advertise - PS#0441 Upgrade	30	06-Feb-18 A	21-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - PS#0441 Upgrade																							
PS34220	Advertise Bid Package - PS#0441 Upgrade	0	22-Feb-18 A		Advertise Bid Package - PS#0441 Upgrade																							
PS34230	Bid Solicitation Period - PS#0441 Upgrade	45	22-Feb-18 A	17-May-18 A	Bid Solicitation Period - PS#0441 Upgrade																							

** EPA Interim Milestone date was missed.

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
6.0 Supplemental Environmental Project (SEP)					17-Mar-19, 6.0 Supplemental Environmental Project (SEP)																	
Pre-Design					Pre-Design																	
PM10190	Pre-Design - SEP	230	20-Oct-14 A	07-Jun-15 A																		
Engineering Design					23-Nov-16 A, Engineering Design																	
PM20000	Basis of Design Report (BODR) - SEP	99	08-Jun-15 A	14-Sep-15 A																		
PM20010	BODR Review Period - SEP	53	15-Sep-15 A	06-Nov-15 A																		
PM21111	Negotiate Scope & Fee for Balance of Design - SEP	173	28-Aug-15 A	16-Feb-16 A																		
PM20020	30% Design Submittal - SEP	136	17-Feb-16 A	01-Jul-16 A																		
PM20030	30% Design Review - SEP	17	02-Jul-16 A	18-Jul-16 A																		
PM20040	60% Design Submittal - SEP	60	19-Jul-16 A	16-Sep-16 A																		
PM20050	60% Design Review - SEP	7	17-Sep-16 A	23-Sep-16 A																		
PM50360	Engineering Design - SEP	535	08-Jun-15 A	23-Nov-16 A																		
PM20060	100% Design Submittal - SEP	61	24-Sep-16 A	23-Nov-16 A																		
Permitting					19-Sep-17 A, Permitting																	
PM50170	FDOT Permit - SEP	97	23-Nov-16 A	27-Feb-17 A																		
PM50150	RER (DERM) Permit - SEP	106	13-Jan-17 A	28-Apr-17 A																		
PM50160	MDDTPW Permit - SEP	106	13-Jan-17 A	28-Apr-17 A																		
PM50390	MDC Fire-Derm Permit - SEP	60	19-Jun-17 A	17-Aug-17 A																		
PM10170	Permitting - SEP	301	23-Nov-16 A	19-Sep-17 A																		
PM50400	FDOH Permit - SEP	33	18-Aug-17 A	19-Sep-17 A																		
Procurement					29-Nov-17 A, Procurement																	
PM50420	GMOU submittal and approval - SEP	22	08-Jun-17 A	29-Jun-17 A																		
PM50210	Internal Bid Package Review - SEP	15	11-Jul-17 A	25-Jul-17 A																		
PM35010	Design Documents Sent to Procurement - SEP	0	26-Jul-17 A																			
PM35020	Request to Advertise - SEP	27	26-Jul-17 A	21-Aug-17 A																		
PM35030	Advertise Bid Package - SEP	0	22-Aug-17 A																			
PM50430	39th Street Construction Easement - SEP	606	01-Nov-16 A	03-Oct-17 A																		
PM35040	Bid Solicitation Period - SEP	58	22-Aug-17 A	18-Oct-17 A																		
PM35050	Bids Due - SEP	0	19-Oct-17 A																			
PM35060	Bid Review Period - SEP	19	19-Oct-17 A	25-Oct-17 A																		
PM35070	Award Recommendation - SEP	0		25-Oct-17 A																		
PM10180	Procurement - SEP	134	26-Jul-17 A	29-Nov-17 A																		
PM35080	Final Approvals (BCC, Mayor, Risk Mgmt.) - SEP	30	26-Oct-17 A	29-Nov-17 A																		
PM50140	P.O. Issued - SEP	0		29-Nov-17 A																		
Construction					17-Mar-19, Construction																	
PM35090	Contractor Notice to Proceed (NTP) - SEP	0	18-Dec-17 A																			
PM10010	Construction - SEP	365	18-Dec-17 A	17-Dec-18																		
PM50560	Construction - SEP Water Supply Line (Non-Consent Decree)	365	18-Dec-17 A	17-Dec-18																		
PM50570	Commissioning - SEP	60	19-Oct-18	17-Dec-18																		
PM50410	Substantial Completion (CD Compliance Date 11/18/19) - SEP	0		17-Dec-18																		
PM10160	SEP Completion Report to EPA	30	18-Dec-18	16-Jan-19*																		
PM50110	Project Closeout - SEP	90	18-Dec-18	17-Mar-19*																		
Project Administration					17-Mar-19, Project Administration																	
PM50100	WASD Project Administration - SEP	1403	08-Jun-15 A	17-Mar-19																		
6.1 SEP (Early Phase Work)					20-Jul-18, 6.1 SEP (Early Phase Work)																	
Engineering Design					20-Jul-15 A, Engineering Design																	
PM30000	Design - Early Phase SEP	41	09-Jun-15 A	20-Jul-15 A																		
Permitting					23-Jul-15 A, Permitting																	
PM30010	Permitting - Early Phase SEP	3	21-Jul-15 A	23-Jul-15 A																		
Procurement					11-Dec-15 A, Procurement																	
PM35100	Design Documents Sent to Procurement - Early Phase SEP	95	08-Sep-15 A	11-Dec-15 A																		
PM35110	Submit/Approve SBD Goals and Request to Advertise - Early Phase SEP	21	08-Sep-15 A	28-Sep-15 A																		
PM35120	Advertise Bid Package - Early Phase SEP	0	28-Sep-15 A																			
PM35130	Bid Solicitation Period - Early Phase SEP	23	28-Sep-15 A	20-Oct-15 A																		
PM35140	Bids Due - Early Phase SEP	0	21-Oct-15 A																			
PM35150	Bid Review Period - Early Phase SEP	9	21-Oct-15 A	29-Oct-15 A																		
PM35160	Award Recommendation - Early Phase SEP	0		29-Oct-15 A																		
PM35170	Final Approvals (BCC, Mayor, Risk Mgmt.) - Early Phase SEP	18	30-Oct-15 A	16-Nov-15 A																		
PM50180	P.O. Issued - Early Phase SEP	0		16-Nov-15 A																		
PM30020	Procurement - Contractor Bid & Award - Early Phase SEP	95	08-Sep-15 A	11-Dec-15 A																		
Construction					20-Jul-18, Construction																	
PM35180	Contractor Notice to Proceed (NTP) - Early Phase SEP	0	14-Dec-15 A																			
PM30030	Construction - Early Phase SEP	247	14-Dec-15 A	16-Aug-16 A																		
PM50120	Project Closeout - Early Phase SEP	413	17-Aug-16 A	20-Jul-18*																		
Project Administration					20-Jul-18, Project Administration																	
PM50090	WASD Project Administration - Early Phase SEP	848	09-Jun-15 A	20-Jul-18																		

** EPA Interim Milestone date was missed.

Appendix C
CMOM Program:
Financial Analysis Program Report

MIAMI-DADE WATER AND SEWER DEPARTMENT
Consolidated Financial Projection - Wastewater Systems (\$000)
QTR 2 Actuals Year to Date (October - March 2018)
(On an accrual basis for Budget Purposes)

<i>In Thousands</i>	Oct-Mar
Wastewater System	FY 17-18
	YTD Actual
Revenues:	
Wastewater System Operating Revenues	\$180,903
Interest Income	\$1,059
Other Adjustments (net change accruals&payables)	\$0
Transferred From WASD Water Operations (<i>Occurs at Year-end</i>)	\$0
Total Revenues:	\$181,962
Expenditures:	
Wastewater System Operating & Maintenance Expenditures	(\$112,186)
Debt Service -Existing (net of Swap receipts)	(\$44,376)
Debt Service - Future	\$0
Operating Revenues Transferred To Wastewater Renewal & Replacement Capital Fund	\$0
Operating Revenues Transferred To Bond Required Reserve	\$0
Transferred To WASD Water Operations	\$0
Total Expenditures Operating and Non-Operating	(<i>\$156,562</i>)
Net Overage/(Deficit) in Revenues	\$25,400
% Increase for Net <i>Deficit</i>	0.00%

YTD ACTUAL Note: Transfers occur at year-end

Water and Wastewater Reserve Balances Projected Fiscal Year-End

Reserve Required By Bond Ordinance Water and Wastewater	\$74,199
Water and Wastewater Rate Stabilization Fund Balance	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$57,663
Water System Transfer to/(from) General Reserve	\$8,873
Wastewater System Transfer to/(from) General Reserve	\$0
Water and Sewer General Reserve Fund Ending Balance	\$66,536

Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 6 Months Ending March 31, 2018

Report Id: WGL011-9
Run on: 07/05/18 08:14 AM
Source: GL

	Unaudited FY 2018			FY 2017	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
OPERATING REVENUES					
Retail Water	-	-	-	-	-
Retail Wastewater	140,857,034.00	150,158,443.00	(9,301,409.00)	138,617,103.62	2,239,930.38
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	33,271,339.94	33,828,117.00	(556,777.06)	42,619,224.59	(9,347,884.65)
Other Revenues	6,774,962.39	6,713,786.00	61,176.39	6,898,206.78	(123,244.39)
TOTAL OPERATING REVENUES	180,903,336.33	190,700,346.00	(9,797,009.67)	188,134,534.99	(7,231,198.66)
OPERATING & MAINTENANCE EXPENSES					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	15,198,879.91	16,303,651.32	1,104,771.41	15,656,478.90	457,598.99
Sewer Pumping	21,562,370.03	21,436,698.69	(125,671.34)	19,950,220.79	(1,612,149.24)
Sewer Treatment and Disposal	48,381,899.04	53,709,960.23	5,328,061.19	44,676,361.13	(3,705,537.91)
TOTAL OPERATING & MAINTENANCE EXPENSES	112,185,931.65	121,671,633.84	9,485,702.19	106,660,775.28	(5,525,156.37)
OPERATING INCOME BEFORE DEPRECIATION	68,717,404.68	69,028,712.16	(311,307.48)	81,473,759.71	(12,756,355.03)
Depreciation	61,544,972.94	-	(61,544,972.94)	56,298,754.50	(5,246,218.45)
OPERATING INCOME (LOSS)	7,172,431.74	69,028,712.16	(61,856,280.42)	25,175,005.22	(18,002,573.48)
NON-OPERATING REVENUE (EXPENSE)					
Customer Connection Fees	15,143,629.20	-	15,143,629.20	11,194,651.31	3,948,977.89
Other Revenue	2,624,913.83	-	2,624,913.83	2,339,788.45	285,125.38
Other Expense	-	-	-	-	-
Change in Fair Value	-	-	-	56,525.56	(56,525.56)

**Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 6 Months Ending March 31, 2018**

Report Id: WGL011-9
Run on: 07/05/18 08:14 AM
Source: GL

	Unaudited FY 2018			FY 2017	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
Interest Income	2,429,602.54	-	2,429,602.54	768,951.69	1,660,650.85
Interest Expense	(37,548,285.98)	-	(37,548,285.98)	(35,539,731.66)	(2,008,554.32)
Capitalized Interest	28,488,081.42	-	28,488,081.42	39,413,440.77	(10,925,359.35)
Amortization of Debt Issue	(7,892,590.03)	-	(7,892,590.03)	(2,573,210.64)	(5,319,379.39)
Operating Disaster Revenue	-	-	-	-	-
Operating Grants	-	-	-	-	-
Job Order Recovery	315,053.27	-	315,053.27	210,416.75	104,636.52
Job Order Expenses	(319,487.84)	-	(319,487.84)	(244,996.31)	(74,491.53)
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	(5,671,793.73)	5,671,793.73	-	-
Non-O&M Activity	-	-	-	-	-
TOTAL NON-OPERATING REVENUE (EXPENSE)	3,240,916.41	(5,671,793.73)	8,912,710.14	15,625,835.92	(12,384,919.51)
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	10,413,348.15	63,356,918.43	(52,943,570.28)	40,800,841.14	(30,387,492.99)
Capital Contributions	6,243,849.34	-	6,243,849.34	5,426,738.40	817,110.94
INCREASE (DECREASE) IN NET POSITION	16,657,197.49	63,356,918.43	(46,699,720.94)	46,227,579.54	(29,570,382.05)

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of March 31, 2018**

Report Id: WFR018
Run on: 07/03/18 04:56 PM
Source: GL

	Annual Budget 2018	CURRENT MONTH		YEAR-TO-DATE				
		Actual 2018	Budget 2018	Actual 2018	Budget 2018	Actual 2017	Budget 2017	
OPERATING & MAINTENANCE EXPENSES								
100057	OM Activity - GL use only (SC)	506,172	85,636	42,215	406,837	253,086	381,420	219,927
213005	Security Guard Services (SC)	-	-	-	-	-	-	-
260004	Security Services (SC)	780,000	78,313	67,782	229,916	376,116	249,401	369,300
260110	Communications (SC)	1,240,288	33,625	108,597	180,495	619,792	162,444	610,383
260402	Damages (SC)	23,730	13,449	1,985	67,638	11,826	64,106	8,775
320005	Sewer Collection & Trans (SC)	-	-	-	-	-	(63,721)	-
350105	Construction Mgmt (SC)	-	-	-	-	-	6,666	-
360002	Sewer Collection & Trans (SC)	-	135	-	135	-	325	-
520051	Disaster Coordination (SC)	-	-	-	311	-	-	-
520101	Install. of Elect Equip (SC)	-	-	-	1,428	-	2,007	-
520521	Grounds Installs/Landscp (SC)	500	-	43	93	241	759	246
520541	Grounds Maint. Services (SC)	-	-	-	-	-	(1)	-
520601	Indoor Air Qly Insp Compl (SC)	72,000	1,675	6,257	1,903	34,718	-	26,000
520621	Install Mech/Hvac-Refr Eq (SC)	-	117	-	25	-	4,677	-
520751	Install. of Plumb Equip (SC)	-	-	-	-	-	215	-
520777	Maint. of Plumbing Equip (SC)	500	357	43	3,111	241	2,759	1,477
520871	Misc Projects/Tasks (SC)	-	2,252	-	2,252	-	-	-
520901	Carpentry (SC)	-	-	-	-	-	4,809	-
520921	Structural Misc Task (SC)	-	-	-	-	-	10,112	-
620004	Sewer Collection & Trans (SC)	-	(240)	-	26,248	-	30,741	32,104
630117	Sewer Collection & Trans (SC)	5,000	-	435	-	2,411	-	2,500
650002	Sewer Collection & Trans (SC)	3,137,245	74,754	271,391	539,455	1,524,661	252,103	154,860
711301	Sewer Meter Related Work (SC)	450,759	61,726	39,436	381,593	224,347	286,519	276,389
711302	Maint Swr Meter Vaults (SC)	-	5,722	-	36,678	-	34,096	-
810002	Sewer Collection Actv (SC)	-	-	-	(462,733)	-	1,558,845	-
811015	Telemetry/SCADA (SC)	104,125	6,365	8,802	103,045	51,440	168,931	60,762
840001	Admin. & General (SC)	3,221,708	283,706	266,059	1,258,045	1,522,210	1,168,878	1,720,788
840002	Facilities Maint (SC)	10,400	-	904	4,881	5,015	4,404	4,924
840101	Cleaning (SC)	3,492,623	220,145	304,055	1,482,870	1,697,764	1,880,072	1,939,365
840102	Evaluation/Review (SC)	720,377	57,800	63,100	389,847	360,188	265,175	209,035
840103	Force Main Inspection (SC)	69,885	40,202	6,122	220,841	34,943	317,924	36,443
840104	Inspection-Repair Shop (SC)	424,219	66,448	36,930	397,043	206,171	388,934	205,133
840105	Joint Grouting (SC)	1,661,234	184,765	139,417	753,034	825,720	414,043	801,738
840106	Lateral TV Inspection (SC)	-	88,572	-	388,730	-	209,232	-
840107	Manhole Inspections (SC)	-	19,310	-	53,940	-	115,225	-
840108	Manhole Sealing (SC)	26,000	126,344	2,259	831,239	12,537	430,852	8,469

**Miami-Dade Water and Sewer Department
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		Actual 2018	Budget 2018	Actual 2018	Budget 2018	Actual 2017	Budget 2017	
840109	Metering-Conductivity (SC)	415,191	62,218	36,277	112,253	205,192	77,819	176,067
840110	Metering-Night Flow (SC)	166,523	36,219	14,590	227,295	83,262	241,023	86,358
840111	Metering-Pre/Post (SC)	-	-	-	-	-	17,857	-
840112	Program Inspection (SC)	3,041,170	115,375	266,420	755,356	1,520,585	644,952	1,477,390
840113	Pump Station Improv Prog (SC)	-	-	-	-	-	-	25,246
840114	Smoke Test (SC)	326,749	(232)	28,627	3,436	163,349	6,219	99,245
840116	Wellfield Protect Inspec. (SC)	-	-	-	43,329	-	612,977	-
840117	I/I Contract - Inspection (SC)	500,000	319,918	43,450	1,059,457	241,100	703,455	738,945
840201	Air Rel Valve Maint & Ble (SC)	1,100	26,104	96	152,075	530	60,706	-
840202	Aut Air Rel Valve Install (SC)	-	-	-	959	-	1,306	-
840203	Autom Air Rel Valve Rep (SC)	-	20,927	-	254,167	-	123,073	-
840204	Dye Tests (SC)	-	1,028	-	14,391	-	8,757	25
840205	Force Main Installation (SC)	-	14,008	-	22,495	-	6,488	-
840206	Force Main Repairs (SC)	762,078	32,758	66,269	213,726	371,422	278,322	731,964
840207	Gravity Main Installation (SC)	-	-	-	3,821	-	1,139	-
840208	Gravity Main Point Reps (SC)	7,319,203	210,947	640,297	1,492,370	3,659,600	1,956,205	3,336,775
840209	Lateral Location (SC)	-	-	-	-	-	17,228	-
840210	Lateral Point Repairs (SC)	1,854,466	90,427	143,276	622,614	850,891	630,873	(2,109)
840211	Maint./Rep-Rep Shop (SC)	310,000	9,787	26,939	59,775	149,482	69,447	119,850
840212	Manhole Installation (SC)	-	781	-	781	-	-	-
840213	Manhole-Repairs (SC)	-	222,243	-	1,190,294	-	646,880	-
840214	Restoration (SC)	-	74,106	-	332,634	-	257,267	-
840215	Sewer Lateral Inspection (SC)	-	-	-	58	-	-	-
840216	Sewer Lateral Install. (SC)	-	-	-	180	-	669	-
840217	System Valve Exercising (SC)	1,382,877	141,214	121,153	926,230	691,439	756,569	697,461
840218	System Valve Installation (SC)	-	13,174	-	47,646	-	56,638	-
840219	System Valve Repair (SC)	-	-	-	148,719	-	2,204	-
840220	I/I Contract - Maint/Repr (SC)	1,200,000	136,378	104,280	198,076	578,640	90,272	1,773,400
840240	Assisting Other Divisions (SC)	-	(417)	-	17,777	-	36,089	-
850129	Metering (SC)	51,250	-	4,450	68	24,732	96	24,741
Sewer Collection	33,277,371	2,978,141	2,861,955	15,198,880	16,303,651	15,656,479	15,973,977	
100058	OM Activity - GL use only (SP)	795,487	132,739	66,344	632,833	397,744	592,597	345,632
212006	Sewer Pumping (SP)	-	10,141	-	62,178	-	-	-
213006	Security Guard Services (SP)	-	-	-	-	-	-	-
260005	Security Services (SP)	1,800,000	30,622	156,420	219,181	867,960	414,812	738,600
260120	Communications (SP)	363,499	35,262	31,780	229,929	181,397	197,940	173,041
350102	Construction Mgmt (SP)	-	-	-	-	-	962	-

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360001 Sewer Pumping (SP)	1,753,706	62,792	152,698	301,199	871,239	637,476	145,696
520002 Admin. & General (SP)	17,600	38,438	1,467	38,765	8,800	2,459	-
520102 Install. of Elect Equip (SP)	10,765	4,547	897	22,309	5,382	23,623	-
520301 Fueling/Recovery Deliv (SP)	7,653	299	656	(59,513)	3,738	6,525	3,904
520462 Fire Protection System (SP)	-	-	-	-	-	-	-
520522 Grounds Installs/Landscp (SP)	500	-	43	224	241	1,629	1,050
520542 Grounds Maint. Services (SP)	231,517	34,482	20,227	169,962	115,374	116,584	41,480
520622 Install Mech/Hvac-Refr Eq (SP)	41,000	-	3,563	3,242	19,770	8,219	19,696
520662 Maint. of Mech Hvac Equip (SP)	39,600	484	3,441	2,176	19,095	11,258	18,760
520778 Maint. of Plumbing Equip (SP)	2,000	1,171	174	7,275	964	8,715	1,970
520872 Misc Projects/Tasks (SP)	1,500	2,567	130	16,029	723	23,734	492
520902 Carpentry (SP)	1,000	-	87	612	482	18,347	246
520906 Locksmith Services (SP)	-	-	-	75	-	562	-
520910 Masonry (SP)	-	-	-	-	-	47	-
520914 Painting (SP)	-	1,119	-	2,835	-	12,598	-
520922 Structural Misc Task (SP)	1,500	142	130	21,690	723	46,412	985
630111 Tank Maintenance Work (SP)	-	-	-	-	-	7,476	-
630112 Hazardous Waste Disposal (SP)	-	-	-	-	-	1,674	-
630114 Sewer Pumping (SP)	490,900	-	42,659	8,402	236,712	65,535	109,651
650001 Sewer Pumping (SP)	-	4,870	-	20,785	-	-	117,232
810001 Sewer Pumping Activities (SP)	-	4,507	-	(72,730)	-	229,402	25
811016 Telemetry/SCADA (SP)	1,846,594	150,652	160,595	966,126	912,247	1,106,587	953,241
830001 Adm&Gnl (SP)	2,237,868	145,626	189,971	897,738	1,078,958	789,411	981,549
830002 Adm&Gnl-Admin Support (SP)	1,173,082	41,365	102,759	206,771	586,541	159,943	167,687
830003 Adm&Gnl-Training (SP)	19,900	3,558	1,729	8,232	9,596	15,030	10,567
830004 Adm&Gnl-Supv (SP)	202,650	14,084	17,737	97,435	100,953	98,086	94,833
830005 Adm&Gnl-Other (SP)	352,088	92,405	30,541	613,532	171,092	491,448	774,326
830101 Odor Ctrl-Maintenance (SP)	-	-	-	-	-	-	32,548
830200 Operations (SP)	-	5,965	-	42,747	-	34,449	-
830201 OP-Shutdowns (SP)	100	-	8	65	50	-	-
830203 OP-Supv (SP)	1,022,215	82,807	88,732	455,688	511,104	517,945	525,915
830205 OP-Operations (SP)	-	9,560	-	132,326	-	47,861	-
830206 OP-Other (SP)	6,187,334	136,063	541,859	1,033,861	3,093,222	1,162,810	3,078,218
830300 Equipment (SP)	7,255,300	541,286	609,235	3,474,220	3,604,642	2,708,221	3,058,645
830301 Equip-Routine (SP)	5,111,784	320,418	447,418	1,838,681	2,552,027	1,847,361	2,469,043
830302 Equip-Preventive (SP)	32,100	68,932	2,790	384,165	15,480	115,683	9,356
830303 Equip-Predictive (SP)	900	8,241	78	23,896	434	7,530	1,723
830304 Equip-Corrective (SP)	6,159,010	1,070,317	528,844	6,053,351	3,001,961	4,963,677	2,400,278

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830305 Equip-Engineering (SP)	200	-	17	-	96	31	-
830306 Equip-Supervision (SP)	823,228	84,104	71,330	434,993	411,566	501,382	453,336
830307 Equip-Other (SP)	186,300	41,076	16,188	214,750	89,841	196,924	77,307
830401 GroundsRoutine (SP)	-	1,447	-	1,447	-	1,128	-
830404 GroundsCorrective (SP)	700	955	61	8,247	338	4,299	295
830407 GroundsOther (SP)	-	-	-	-	-	454	-
830500 Structures (SP)	148,600	559	12,914	12,828	71,676	8,500	80,012
830501 Struct-Routine (SP)	72,100	87,558	6,266	500,793	34,768	454,988	47,664
830502 Struct-Preventive (SP)	200	228	17	418	96	(79)	98
830503 Struct-Predictive (SP)	-	6,454	-	6,812	-	99	-
830504 Struct-Corrective (SP)	159,955	81,643	13,630	426,936	78,481	542,734	70,282
830505 Struct-Engineering (SP)	(127,360)	-	(11,182)	14,202	(63,680)	(0)	-
830506 Struct-Supervision (SP)	810,552	31,681	70,954	247,029	405,276	209,432	518,850
830507 Struct-Other (SP)	2,274,845	81,913	199,177	530,006	1,136,752	487,308	1,185,185
830601 RemAct/Spil-Supv (SP)	-	-	-	1,437	-	-	-
830700 Inspection (SP)	1,100	21	96	3,405	530	-	49
830703 Insp-ET's (SP)	27,200	16,415	2,363	107,598	13,118	86,650	12,556
830704 Insp-Prop Pump Stations (SP)	14,500	2,111	1,260	22,211	6,992	15,786	1,699
830900 Emergency (SP)	100	-	8	-	50	(0)	-
830901 Emerg - Hurrican Preparat (SP)	-	-	-	292	-	9,616	-
830902 Emerg-Hurricane Recovery (SP)	-	-	-	2,219	-	5,093	-
830904 Emergency - Run Generator (SP)	-	63	-	807	-	(2)	-
830906 Emergency - OPP (SP)	-	-	-	-	-	-	49
830907 Assist other Division (SP)	-	1,213	-	1,326	-	-	-
850130 Utilities Monitoring (SP)	1,435,700	162,420	120,732	833,073	712,409	590,734	675,975
850203 Assistance to Other Div (SP)	11,050	-	924	-	5,508	-	246
850205 Emerg Actv/Emg Gen-Stby (SP)	50	-	4	-	24	-	4,927
850209 Maint/Rep-Diesel Eqp/Gens(SP)	108,208	10,793	9,394	57,057	52,485	252,888	52,593
850213 Maint/Rep-Pump Stations (SP)	226,500	10,336	19,297	211,868	111,142	87,629	86,327
850220 Maint/Rep-Struct/Grounds (SP)	50	10	4	10	24	-	25
850222 Underground Piping/Valves (SP)	1,050	-	91	55,599	506	-	517
850224 Remedial Action/Spills (SP)	100	-	9	-	48	-	49
850228 Odor Control (SP)	-	-	-	10,716	-	-	-
Sewer Pumping	43,334,079	3,676,460	3,736,570	21,562,370	21,436,699	19,950,221	19,544,430
100059 OM Activity - GL use only (ST)	1,525,102	241,203	127,194	1,166,290	762,551	1,156,545	662,643
212007 Sewer Treat and Disposal (ST)	-	28,994	-	155,388	-	-	-
213007 Security Guard Services (ST)	-	-	-	-	-	-	-

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221001 High Level Disinfection (ST)	-	-	-	-	-	557	-
227001 Sewer Treatment Activity (ST)	445,767	40,778	39,042	(134,173)	222,884	78,890	71,390
228001 Sewer Treatment Activity (ST)	235,431	23,795	20,624	143,408	117,716	76,712	86,433
260006 Security Services (ST)	3,500,000	395,605	304,150	1,120,980	1,687,700	1,379,848	1,575,680
350107 Construction Mgmt (ST)	-	-	-	-	-	962	-
520302 Fueling/Recovery Deliv (ST)	10,000	-	869	(80,250)	4,822	20,550	4,924
520463 Fire Protection System (ST)	-	-	-	5,994	-	5,763	2,560
520501 Grounds Contract Services (ST)	322,000	41,068	27,982	190,506	155,268	202,603	336,900
520523 Grounds Installs/Landscp (ST)	6,400	-	556	838	3,086	5,030	3,151
520543 Grounds Maint. Services (ST)	1,564,176	55,119	136,726	768,779	779,968	449,527	656,141
520623 Install Mech/Hvac-Refr Eq (ST)	-	5,867	-	5,867	-	-	-
520663 Maint. of Mech Hvac Equip (ST)	1,304,022	54,988	113,100	454,976	643,682	533,346	797,605
520779 Maint. of Plumbing Equip (ST)	-	-	-	-	-	432	-
520873 Misc Projects/Tasks (ST)	6,459	3,857	538	7,826	3,230	3,371	3,534
520923 Structural Misc Task (ST)	9,000	-	782	-	4,340	-	4,185
520974 Rentals-Other Divisions (ST)	633,000	55,979	55,008	316,902	305,233	412,306	172,340
610001 Sewer Treatment Plant (ST)	-	8,306	-	123,438	-	-	-
620001 Sewer Treatment Plant (ST)	1,500,000	-	130,350	37	723,300	(220,011)	738,698
630003 Admin. & General (ST)	-	-	-	-	-	(32)	-
630102 Hazardous Waste Disposal (ST)	-	-	-	-	-	5,750	-
630119 Sewer Treatment Plant (ST)	406,730	49,843	35,140	177,821	197,147	49,700	127,305
630503 License and Permit Fees (ST)	-	-	-	-	-	(3,615)	-
740001 LabS Treat & Disp Exp (ST)	3,070,972	221,757	267,927	1,343,673	1,526,370	1,280,061	1,590,184
810003 Sewer Treatment Actv (ST)	6,750,000	166,749	586,575	(80,806)	3,254,850	13,855	3,299,289
811017 Telemetering/SCADA (ST)	4,439,220	157,546	387,439	1,205,471	2,205,394	1,047,524	1,484,054
811018 Main/Rep-Rad/Com Eq (ST)	89,300	3,273	7,736	28,008	43,183	5,046	154,318
811021 Instl/Rep/Cam/Surv Eq (ST)	366,350	102,922	31,859	200,765	183,175	119,376	207,788
850001 Admin. & General (ST)	26,450,010	3,701,605	2,264,744	15,094,898	13,190,994	14,406,645	13,748,447
850002 Adm&Gnl-CMMS (ST)	585,238	34,461	51,246	210,423	292,465	251,479	300,933
850003 Adm&Gnl-Supervision (ST)*	150	-	13	-	72	-	74
850004 Adm&Gnl-Permitting (ST)	2,975	4,407	259	18,373	1,435	51,633	3,632
850005 CDL Random Testing (ST)	200	-	17	-	98	-	99
850006 Training (ST)	34,377	11,373	2,983	61,573	16,596	72,473	15,905
850007 Union Activities (ST)	200	-	17	-	96	-	123
850103 Emerg Power Generation (ST)	6,653	-	570	(1,017)	3,246	1,658	862
850104 Odor Control (ST)	6,612,157	717,538	574,526	3,876,545	3,205,118	1,709,004	2,114,086
850105 Effluent Pumping (ST)	-	-	-	8,798	-	-	-
850106 Pumping Stations (ST)	72,553	-	6,303	65	35,132	20,199	79,381

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850109 Training (ST)	60,140	7,545	5,033	94,776	29,964	111,997	31,532
850111 Purchased Treatment (ST)	1,100	-	96	-	530	-	123
850112 Reuse Facility (ST)	5,683	-	475	-	2,836	-	197
850114 Sludge Cons & Diges Ops (ST)	264,791	-	23,190	550	132,294	28,559	461,354
850115 Dewatering (ST)	2,966,868	427,742	257,848	1,589,826	1,449,841	1,456,671	845,609
850116 Solids Handling (ST)	15,075,364	968,661	1,322,909	6,211,860	7,537,274	6,293,008	5,095,450
850117 Headworks (ST)	-	-	-	11	-	1,947	162,541
850119 Secondary Clarification (ST)	103,659	1,345	8,952	914	51,462	59,853	278,972
850120 O2 Generation (ST)	1,083,551	100,310	94,480	353,654	532,490	274,291	664,269
850121 Non Emer Power Generation (ST)	947,016	13,631	82,500	100,114	473,504	308,454	442,158
850122 Final Station (ST)	250	-	22	-	121	-	123
850123 Deep Well Injection (ST)	1,210,400	-	105,184	-	583,657	72,234	128,221
850124 Tanker Duty (ST)	538	-	45	888	269	4,531	-
850125 Biosolids Processing (ST)	51,450	-	4,471	111	24,809	(3,043)	4,393
850127 Vessel Cleaning (ST)	195,970	1,046	16,339	104,881	97,946	104,199	57,449
850128 Special Projects (ST)	80,933	1,046	6,987	2,989	39,265	63,314	33,789
850202 Other Maintenance (ST)	455,531	6,412	39,524	219,489	219,941	227,854	253,907
850204 Assistance to Other Div (ST)	21,533	-	1,852	11,151	10,482	40,002	148
850206 Emerg Actv/Emsg Gen-Stby (ST)	44,763	430	3,796	69,187	22,099	24,262	51,499
850208 Maint/Rep-Co-Generation(ST)	145,071	96,123	12,636	534,500	71,059	269,562	63,692
850210 Maint/Rep-Diesel Eqp/Gens(ST)	2,744,278	206,719	239,689	1,246,105	1,362,996	1,111,261	1,246,498
850211 Maint/Rep-Plant Equipment (ST)	16,075,216	1,447,449	1,395,279	7,415,602	7,957,131	7,278,727	7,920,076
850212 Maint/Rep-Instr/Ctrls/Mtrs(ST)	2,032,542	103,282	177,248	1,180,600	1,011,550	1,175,003	701,799
850214 Maint/Rep-Pump Stations (ST)	4,050	80	352	292	1,955	-	5,785
850215 Maint/Rep-Radio/Comm (ST)	350	-	30	-	169	-	443
850216 Maint/Rep-Cryogenic Plant (ST)	17,781	6,889	1,536	11,073	8,626	23,040	31,902
850217 Maint/Rep-Sldg Concnt/Digs(ST)	209,580	1,621	18,201	10,446	101,119	303,502	13,298
850218 Maint/Rep-Sldg Dewatering(ST)	47,133	1,893	4,078	24,396	22,859	19,745	28,016
850219 Maint/Rep-Sludge Handling (ST)	713,932	4,972	62,531	54,969	356,957	17,676	377,367
850221 Maint/Rep-Struct/Grounds (ST)	2,829,312	288,871	244,924	1,748,174	1,409,550	1,372,229	1,282,828
850223 Underground Piping/Valves (ST)	521,506	73,645	45,648	242,168	259,819	95,196	129,100
850225 Remedial Action/Spills (ST)	1,750	-	150	-	854	-	1,133
850227 Telemetry/SCADA (ST)	200	11,480	17	56,728	96	22,664	98
850229 Odor Control (ST)	-	-	-	-	-	-	245,100
850230 Special Projects (ST)	735,713	113,770	63,668	705,052	367,286	782,436	425,836
Sewer Treatment and Disposal	108,596,394	10,011,993	9,413,964	48,381,899	53,709,960	44,676,361	49,227,371
TOTAL O&M EXPENSES	445,194,203	35,665,843	38,269,587	187,918,294	219,745,370	181,044,665	213,746,720

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YTD Wastewater Functions (SC, SP, ST) Qtr2				85,143,149		80,283,061	

Miami Dade Water and Sewer
Sewer Capital Expenditures by Project/Subproject
October 2017 to March 2018

PROJECT NUMBER	PROJECT DESCRIPTION	SUBPROJECT NUMBER	SUB PROJECT DESCRIPTION	FYTD Oct 2017 to March 2018
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	101638	NDWWTP - INJECTION WELLS PS UPGRADE	3,246,331.20
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102147	NDWWTP CONSTRUCTION MANAGEMENT TRAILERS	(6,980.50)
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102146	CDWWTP - CONSTRUCTION MANAGEMENT TRAILERS	77,867.15
1009	CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102045	P.S. 2 BASIN UPGRADE - LOCAL PUMP STATION UPGRADES	140,718.65
1009	CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102200	BISCAYNE BASIN PROJECTS RELATED TO CL-1	49,832.62
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102035	6" FM FROM PS 1071 TO MH 7 SOUTH OF SW 186 ST ON 108 AVE	70,603.83
1010	SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102050	UPGRADE 4" FM FROM PS 733 ON US1	284,404.36
1011	FLOW REDUCTION PROGRAM (FRP)	100050	REHABILITATION OF SEWER MAINS DUE TO I/I - SECTIONAL LINING	523,820.23
1012	SANITARY SEWER SYSTEM IMPROVEMENTS	100055	SPECIAL CONSTRUCTION - SANITARY SEWER IMPROVEMENTS	(173,240.99)
1012	SANITARY SEWER SYSTEM IMPROVEMENTS	102228	Proposed Budget- DESIGN BUILD REPLACEMENT OF GRAVITY MAIN IN SHENANDOAH AREA - PHASE A	3,202,304.08
1012	SANITARY SEWER SYSTEM IMPROVEMENTS	102229	Proposed Budget- DESIGN BUILD REPLACEMENT OF GRAVITY MAIN IN SHENANDOAH AREA - PHASE B	2,457,671.11
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101506	SOUTH MAINTENANCE CENTER	25,135.70
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101887	MEDLEY YARD BUILDING	436,323.95
1014	CORROSION CONTROL FACILITIES UPGRADES	100984	REFURBISH STRUCTURES IN PUMP STATIONS	(52.05)
1015	PUMP STATION IMPROVEMENTS PROGRAM	101454	PUMP STATION IMPROVEMENT PROGRAM	10,601,911.86
1015	PUMP STATION IMPROVEMENTS PROGRAM	101975	Proposed Budget-PUMP STATION IMPROVEMENT PROGRAM (OLD PSIP)	703.76
1015	PUMP STATION IMPROVEMENTS PROGRAM	102192	OUT OF COMPLIANCE PUMP STATIONS	33,438.11
1018	PEAK FLOW MANAGEMENT FACILITIES	101710	MASTER PUMP STATION NO. 3 (FORMERLY P.S. 8)	50,698.37
1019	SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	267,665.33
1019	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	32,995.62
1019	SANITARY SEWER SYSTEM EXTENSION	102128	6" FM FROM PS 746 TO SW 156 ST & US1	30,635.49
1023	WASTEWATER TELEMETERING SYSTEM	100621	TELEMETERING SYSTEM - WASTEWATER	22,834.17
1024	WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	8,123,902.78
1025	LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS	100623	LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	402,176.16
1027	WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	425,087.11
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	1,132,039.15
1027	WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	1,902,100.37
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	1,944,463.23
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	101732	SECURITY PROJECTS	9,863.96
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102007	NDWWTP- BZ DEEP INJECTION WELLS (NE-2)	110,600.00
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102010	CDWWTP- BZ DEEP INJECTION WELLS (CD-2)	60,201.96
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102034	WEST DISTRICT WASTEWATER TREATMENT PLANT (WT-1)	1,735,950.38
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102038	CDWWTP - CENTRATE INJECTION WELL (CE-4)	281,653.89
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102096	CDWWTP PUMP STATION FOR CENTRATE WELL (CE-3)	4,949,113.38
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102138	OWNERS REPRESENTATIVE SERVICES FOR OOL PROGRAM AND WASTEWATER SYSTEM SE-2 SDWWTP BZ DEEP MUNICIPAL INJECTION	7,289,935.94
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102150	WELLS	64,637.06
1041	GENERAL OBLIGATION BOND (GOB)	101612	SANITARY SEWER NEEDS ASSESSMENT	663,033.94
1042	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	101967	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	2,484,799.55
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102502	SDWWTP - Oxygenation Trains	73,384.88

1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102504 SDWWTP - Effluent Pump Station	251,739.06
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102506 SDWWTP - Digesters and Control Buildings	70,727.21
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102507 SDWWTP - Dewatering Facility	11,145.11
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102508 SDWWTP - FOG Removal Facility	718,173.81
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102510 SDWWTP - General Electrical	533,411.03
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102511 SDWWTP - Chlorine Contact Chamber Structural	84,688.69
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102600 CDWWTP - Electrical Improvements	708,459.51
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102601 CDWWTP - Building improvements	548,742.06
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102602 Headworks Plant 1	1,918,429.56
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102603 CDWWTP - Headworks Plant 2	1,612,716.15
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102604 CDWWTP - Oxygenation Trains Plant 1	16,451.97
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102605 CDWWTP - Oxygenation Trains Plant 2	69,819.82
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102608 CDWWTP - RS Pump Stations Plant 1	110.60
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102609 CDWWTP - RS Pump Stations Plant 2	345,844.44
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102610 CDWWTP - Effluent Pump Station	76,131.14
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102613 CDWWTP - Digesters Plant 1	94,952.75
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102614 CDWWTP - Digesters Plant 2	10,513,845.14
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102615 CDWWTP - Dewatering Building	137,528.18
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102616 CDWWTP - Chlorination Facilities	2,745,311.92
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102617 CDWWTP - Odor Control Systems	457,847.50
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102618 CDWWTP - Co-Gen Facility	6,415,359.22
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102620 CDWWTP - Pump Station 1	277,359.90
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102621 CDWWTP - Pump Station 2	349,160.92
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102623 CDWWTP - Gas Monitoring	154,495.88
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102624 CDWWTP -Ventilation Improvements	151,706.70
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102626 CDWWTP - Oxygen Production	57,424.36
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102628 CONSENT DECREE PROGRAM MANAGEMENT & CONSTRUCTION MANAGEMENT	5,672,227.96
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102700 NDWWTP - Headworks and Sludge Degritting Transfer	2,307,977.90
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102701 NDWWTP - Primary Clarifiers and Odor Control	777,050.97
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102704 NDWWTP - Secondary Clarifiers	431,083.88
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102705 NDWWTP - Disinfection	21,307.08
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102706 NDWWTP - Effluent Disposal	334,562.67
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102800 Collection System I/I Repairs	6,443,885.81
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102802 Government Cut FM - Phase 3	1,280,673.19
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102804 South Dade 54 inch PCCP FM Rehabilitation	12,672,435.56
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102807 Rehabilitation of 54 inch PCCP FM in the City of Miami	1,039,191.33
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102808 Replace Approximately 25 miles of AC force mains	857,358.51

1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	Opa-Locka Airport 48" PCCP force main replacement	102809	3,059,268.72
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	DORAL BASIN - UPGRADE SEWAGE PS No. 418	102900	1,812,613.89
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Upgrade of PS#0691	102902	133,049.28
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Replacement of Switchgear PS#0414	102903	181,419.78
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	102904	1,121,335.52
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Replacement of Switchgear PS#0416	102905	573,780.06
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	102906	4,304.00
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Replacement of Electrical and Mechanical Equipment in PS#0107	102907	162,292.72
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Replacement of Plumbing and Electrical Equipment at PS#0301	102908	1,515.40
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Installation of 60 inch FM from Kendall Dr to PS#0536	102910	428,542.01
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Replacement of Switchgear at PS#0187	102911	5,246,332.75
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Upgrade of PS #0065, 0201, 0334, 0374, 0607	102914	666,966.86
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Upgrade of PS #00198, 0437, 0466, 0680	102915	58,235.05
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Upgrade of PS #0037, 0351, 0370, 0403	102916	2,034,947.38
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	102917	334,691.66
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY AND FORCE MAINS	103000	245,482.32
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP STATIONS	103001	262,012.23
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	SUPPLEMENTAL ENVIRONMENT PROJECT (SEP)	103002	43,593.34
1048	OCEAN OUTFALL LEGISLATION CAPACITY	48/36/42-INCH FM FROM INTERCEPTOR TO PS 2 DISCHARGE - BISCAYNE BASIN IMPROVEMENTS (CL-1)	101757	5,832,067.59
1048	OCEAN OUTFALL LEGISLATION CAPACITY	PEAK FLOW MANAGEMENT - PUMP STATION OPTIMIZATION PLAN (PSOP)	101865	94,071.88
1048	OCEAN OUTFALL LEGISLATION CAPACITY	SOUTHWEST DADE BOOSTER STATION (SP-1)	102012	14,679.34
1048	OCEAN OUTFALL LEGISLATION CAPACITY	ST-1 TO SDWWTP UPGRADES TO 121 MGD ADF	102055	837,045.78
1048	OCEAN OUTFALL LEGISLATION CAPACITY	ST-2 SDWWTP UPGRADES FROM 121 MGD TO 131 MGD ADF	102056	82,641.70
1048	OCEAN OUTFALL LEGISLATION CAPACITY	SL-3A TO 48"/54" FM FROM SP-1 TO INTERSECTION OF SW 137th AVE/SW 136th St.	102078	90,384.01
1048	OCEAN OUTFALL LEGISLATION CAPACITY	SL-2 TO 54"/60" FM FROM SP-1 TO SL-1B	102079	257,403.64
1048	OCEAN OUTFALL LEGISLATION CAPACITY	SL-3B TO 48"/54" FM ALONG 137th AVE FROM SW 136th St TO SW 104th ST	102158	251,475.67
Total Sewer FYTD from Oct 2017 to March 2018				137,018,055.86