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VIA ELECTRONIC CORRESPONDENCE

July 29, 2022

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File No: 8.DC.09.33

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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 – 2022
Semi-Annual Report No. 1**

Dear Sir or Madam:

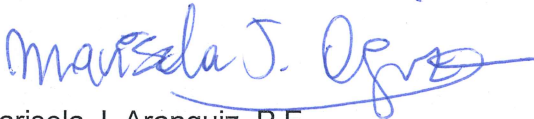
In accordance with the provisions of Paragraph 33 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2022 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, 2022 through June 30, 2022. The report also includes the anticipated work to be completed over the next two calendar quarters through December 31, 2022.

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) 552-8894.

Sincerely,



Marisela J. Aranguiz, P.E.
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Attachment: 2022 Semi-Annual Report No. 1

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2022 Semi-Annual Report No. 1 (Sixteenth Semi-Annual Report)

January 1, 2022, through June 30, 2022

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
CCTV	Closed-Circuit Television
CD	Consent Decree
CDWWTP	Central District Wastewater Treatment Plant
CIP	Capital Improvement Project
CIPP	Cured in Place Pipe
CMOM	Capacity, Management, Operations and Maintenance
County	Miami-Dade County
COVID-19	Novel Coronavirus Disease 2019
DOJ	Department of Justice
EFT	Electronic Funds Transfer
EPA	Environmental Protection Agency
ET	Elapsed Time
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
FYTD	Fiscal Year to Date
GDO	Grease Discharge Operations

Acronyms and Abbreviations (continued)

GIS	Geographic Information System
GPD	Gallons per Day
GPDIM	Gallons per Day per Inch-Diameter Mile
GPM	Gallons per Minute
GSS	Gravity Sewer System
I/I	Inflow/Infiltration
IMS	Information Management System
IT	Information Technology
KPI	Key Performance Indicators
LF	Linear Foot
LWT	Liquid Waste Transporters
MGD	Million Gallons per Day
N/A	Not Applicable
NAPOT	Nominal Average Pump Operating Time
NDWWTP	North District Wastewater Treatment Plant
NPDES	National Pollutant Discharge Elimination System
OOL	Ocean Outfall Legislation
PCCP	Prestressed Concrete Cylinder Pipe
PDR	Public Document Repository
PS	Pump Station
PSOPMP	Pump Station Operations and Preventative Maintenance Program
R & R	Renewal and Replacement

Acronyms and Abbreviations (continued)

RER-DERM	Department of Regulatory and Economic Resources-Division of Environmental Resources Management
RTU	Remote Telemetry Unit
SCADA	Supervisory Control and Data Acquisition
SDWWTP	South District Wastewater Treatment Plant
SEP	Supplemental Environmental Project
SORP	Sewer Overflow Response Plan
SPiDER	Spherical Imagery Digitally Enhanced Rendering
SSAMP	Sewer System Asset Management Program
SSES	Sanitary Sewer Evaluation Survey
SSO	Sanitary Sewer Overflow
VFD	Variable Frequency Drive
VSC	Volume Sewer Customer
WASD	Miami-Dade Water and Sewer Department
WCTL	Wastewater Collection and Transmission Line
WCTS	Wastewater Collection and Transmission System
WWTP	Wastewater Treatment Plant

1.0 Executive Summary

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

Per the approved CD, 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. In accordance with the CD, this Report includes a description of the projects and activities completed and milestones achieved during the previous two (2) calendar quarters (January 1, 2022 through June 30, 2022), and also provides projections for significant projects and activities anticipated to be completed in the next two (2) calendar quarters (July 1, 2022 through December 31, 2022).

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. This is in conformity with the March 18, 2014, the County approved 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.

All CD requirements were met for the previous two (2) calendar quarters, with the exception of meeting the final deadline for three (3) Appendix Capital Improvement Projects (CIP): 1) CD CIP 5.9 – New Pump Station No. 0301 Production at SDWWTP 2) CD CIP 1.2 – Oxygen Production and 3) CD CIP 1.5 – Effluent Pump Station at SDWWTP.

In accordance with Section IX, Paragraph 52 of the CD, the County provided the following notices:

- CD CIP 5.9 – New Pump Station No. 0301 – On January 13, 2022, the County electronically notified EPA and FDEP of a Potential Delay for CD CIP 5.9 – New Pump Station No. 0301. On January 24, 2022, the County notified EPA and FDEP of a Failure to Meet Compliance Date Notification CD CIP 5.9 – New Pump Station No. 0301 missed the compliance date due to pandemic delays in the construction phase. On January 28, 2022, the County notified EPA and FDEP of a Force Majeure Delay Notification for CD CIP 5.9 New Pump Station No. 0301. The Force Majeure delay was due to a subcontractor's employee testing positive for COVID-19 or being exposed to others that tested positive delaying the Performance Testing. The Compliance Date is January 24, 2022. The project reached substantial completion on January 25, 2022.

- CD CIP 1.2 Oxygen Production – On February 25, 2022, the County notified EPA and FDEP of a Failure to Meet Compliance Date Notification for CD CIP 1.2 Oxygen Production. This project experienced delays during the construction phase related to the relocation of the existing duct bank due to unforeseen field conditions; and experienced ongoing delays due to the protracted procurement and fabrication schedule of electrical gear and compressor replacement parts caused by disruptions to the manufacturing processes precipitated by the Pandemic. The Compliance Date was February 25, 2022.
- CD CIP 1.5–Effluent Pump Station – On April 7, 2022, the County notified EPA and FDEP of a Request for Time Extension and Project Status Update Notification for CD CIP 1.5 – Effluent Pump Station at SDWWTP. The delays were caused by the Pandemic and the Compliance Date was April 7, 2022. The project reached substantial completion on April 21, 2022.

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 (9) new CMOM Programs (CD Section VI, Paragraph 19), all of which have been approved. Second, with the execution of the eighty-one (81) Capital Improvement Projects included in Appendix D which have an approximate total cost of \$1.99 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, fifty-five (55) projects with a total cost of \$727 million have reached substantial completion and twenty-six (26) projects with a cost of \$204 million are in the planning and procurement phases, and \$1,062 million are in the construction phase.

The projects, activities and milestones achieved, and the deliverables submitted to EPA and FDEP are listed in Table 1-1 (page 3). The upcoming projects, activities, milestones, and deliverables for the next two (2) calendar quarters are listed in Table 1-2 (page 6). Additional program and project information is included in the Work Progress Tables and Gantt charts in Appendix A and Appendix B, respectively. Any issues, clarifications, decisions, and resolutions are included in Table 1-3 (page 7).

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Make available a copy of each specified Deliverable in the Public Document Repository (PDR) no later than one (1) business day from submission	Section V, para. 9	Ongoing	Ongoing	Yes
Ensure Adequate Pumping, Transmission and Treatment Capacity under the conditions of CD Appendix A	Section VI, para. 18(a)	Ongoing	Ongoing	Yes
Continue implementing existing Pump Station Remote Monitoring Program	Section VI, para. 18(b)	Ongoing	Ongoing	Yes
Continue implementing existing Spare Parts Program	Section VI, para. 18(d)	Ongoing	Ongoing	Yes
Continued Implementation of Sanitary Sewer Overflow (SSO) Identification and Reporting	Section VI, para. 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes
Submit Failure to Meet Compliance Date Notification CD CIP 5.9 - PS 0301	Section XI, para. 52 & Section XVII, para. 77	1/24/2022	1/24/2022	Yes
Post Failure to Meet Compliance Date Notification CD CIP 5.9 - PS 0301	Section V, para. 9	1 business day after submittal	1/24/2022	Yes
Submit Force Majeure Delay Notification for CD CIP 5.9 - New PS 0301 PS	Section XI, para. 52 & Section XVII, para. 77	1/27/2022	1/27/2022	Yes
Post Force Majeure Delay Notification for CD CIP 5.9 - New PS 0301 PS	Section V, para. 9	1 business day after submittal	1/28/2022	Yes
Submit 2021 Quarterly Report No. 4	Section IX, para. 32	1/31/2022	1/31/2022	Yes
Post 2021 Quarterly Report No. 4	Section IX, para. 36	1 business day after submittal	1/31/2022	Yes
Submit 2021 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2022	1/31/2022	Yes
Post 2021 Semi-Annual Report No. 2	Section IX, para. 36	1 business day after submittal	1/31/2022	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 30-Day Extension of Payment of EPA and FDEP Demand for SSO Stipulated Penalties (2019-2020) Letter	Section X, para. 42(a) and Order Modifying Section X	2/18/2022	2/18/2022	Yes
Post 30-Day Extension of Payment of EPA and FDEP Demand for SSO Stipulated Penalties (2019-2020) Letter	Section V, para. 9	1 business day after submittal	2/18/2022	Yes
Submit Failure to Meet Compliance Date Notification CD CIP 1.2 - Oxygen Production	Section XI, para. 52 & Section XVII, para. 77	2/25/2022	2/25/2022	Yes
Post Failure to Meet Compliance Date Notification CD CIP 1.2 - Oxygen Production	Section V, para. 9	1 business day after submittal	2/25/2022	Yes
Submit 2021 Annual Report	Section IX, para. 34	3/1/2022	3/1/2022	Yes
Post 2021 Annual Report	Section IX, para. 36	1 business day after submittal	3/1/2022	Yes
Submit Request for Time Extension and Project Status Update Notification for CD CIP 1.5 - Effluent PS SDWWTP	Section XI, para. 52 & Section XVII, para. 77	4/7/2022	4/7/2022	Yes
Post Request for Time Extension and Project Status Update Notification for CD CIP 1.5 - Effluent PS SDWWTP	Section V, para. 9	1 business day after submittal	4/7/2022	Yes
Submit Payment of FDEP demand for Stipulated Penalties (2021) Letter	Section X, para. 42(a) and Order Modifying Section X	4/13/2022	4/13/2022	Yes
Post Payment of FDEP demand for Stipulated Penalties (2021) Letter in PDR	Section V, para. 9	1 business day after submittal	4/13/2022	Yes
Submit 2022 Quarterly Report No. 1	Section IX, para. 32	5/2/2022	5/2/2022	Yes
Post 2022 Quarterly Report No. 1	Section IX, para. 36	1 business day after submittal	5/2/2022	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 Response to EPA's Request for Additional Information on CD Projects with Force Majeure and Delay Notifications	Section XI, para. 52 & Section XVII, para. 77	5/2/2022	5/2/2022	Yes
Post Response to EPA's Request for Additional Information on CD Projects with Force Majeure and Delay Notifications	Section V, para. 9	1 business day after submittal	5/2/2022	Yes
Submit Notification of Completion for CD CIP 1.5 - Effluent Pump Station at SDWWTP	Section XI, para. 52 & Section XVII, para. 77	6/2/2022	6/2/2022	Yes
Post Notification of Completion for CD CIP 1.5 - Effluent PS at SDWWTP	Section V, para. 9	1 business day after submittal	6/2/2022	Yes
Submit Completion Notification for CD 3.6 - Disinfection at NDWWTP	Section XI, para. 52 & Section XVII, para. 77	6/24/2022	6/24/2022	Yes
Post Completion Notification for CD 3.6 - Disinfection at NDWWTP	Section V, para. 9	1 business day after submittal	6/24/2022	Yes
Submit Fifth Annual FOG Control Program Review Report	Section VI, para. 19(a)	6/30/2022	6/28/2022	Yes
Post Fifth Annual FOG Control Program Review Report in PDR	Section IX, para. 36	1 business day after submittal	6/28/2022	Yes

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

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date
Submit 2022 Quarterly Report No. 2	Section IX, para. 32	7/31/2022	8/1/2022
Post 2022 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2022 Semi-Annual Report No. 2	Section IX, para. 33	7/31/2022	8/1/2022
Post 2022 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2022 Quarterly Report No. 3	Section IX, para. 32	10/31/2022	10/31/2022
Post 2022 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal

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

Item	Date	Description	Resolution/Clarification/Decision
1	7/20/2017	At the July 20, 2017 EPA/FDEP/WASD CD Program Update Meeting, WASD proposed a scope modification for CD CIP 5.9 Replacement of Plumbing and Electrical Equipment at PS 0301.	The scope modification request for CD CIP 5.9, included the construction of a new Submersible PS, which exceeded the CD description and as such will require a revision to the CD Appendix D CD CIP 5.9 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 5.9 Replacement of Plumbing and Electrical Equipment. On October 16, 2019, the County re-distributed the scope modification for CD CIP 5.9 letter as requested by EPA. This item is pending final decision.
2	2/13/2018	On February 13, 2018, the County advised EPA, FDEP and Department of Justice (DOJ) that the Public Document Repository (PDR) site would be migrated to a Microsoft cloud-based system. WASD communicated to EPA and FDEP that their Public Information Office (PIO) will continue to provide access to deliverables digitally. Upon request for hard copies, the PIO will provide in accordance with public records law.	On February 14, 2018, EPA, DOJ and FDEP did not object to the proposed migration. Once effective, this migration of PDR site will be included in the next Status Report to the Court. On August 1, 2019, the County electronically notified the EPA/FEP that the PDR was unavailable to the public for an estimated four (4) days due to a server failure. The new cloud-based PDR system was put into production on July 31, 2019 and by August 1, 2019 most of the library was restored. On October 4, 2019, the County submitted a letter detailing the timeline of the breach in PDR compliance.
3	4/19/2018	At the April 2018 CD Program Update Meeting, WASD mentioned that there will be an amendment to the County Ordinance regarding the time a business must connect to a public lateral. In line with federal laws, it will be modified to reflect one (1) year. There is reference in Appendix E Supplemental Environmental Project Plan of the CD, however, indicating a different timeframe, i.e., “Pursuant to existing regulations, businesses will have ninety (90) days to abandon their septic systems and connect to the public laterals.”	EPA stated there may be a need to change that language in the CD and that the matter would be discussed with the DOJ. On December 19, 2019, the County provided SEP CD Language to EPA that is under consideration by DOJ. At the December 2020 CD Program Update Meeting, EPA requested to resend information of the SEP language changed by the Ordinance. The information was resent on December 17, 2020. This item is pending final decision.

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
4	4/19/2018	<p>At the January 24, 2017 monthly meeting, WASD mentioned that the Ocean Outfall Legislation Program is in the process of developing the Conceptual Memorandum. After the development of that Report the change of scope for CD CIP 2.14 CDWWTP Digesters Plant 1 will be submitted to EPA/FDEPA. At the April 2018 CD Program Update Meeting, WASD reported that the complete rehabilitation of Plant 2 Clusters 1, 2, and 3 under CD CIP 2.15 will provide full digestion treatment capacity required for CDWWTP and no improvement for CD CIP 2.14 is anticipated for both the CD and Ocean Outfall Legislation Program (OOL). EPA/FDEP requested that WASD submits a Request for Material Change for CD CIP 2.14.</p>	<p>WASD submitted a Request for Material Change for CD CIP 2.14 to EPA/FDEP on May 21, 2018. The County requested that CD CIP 2.14 be cancelled and deleted from Appendix D-2 of the CD. FDEP has requested to complete testing of Plant 2 Cluster 1 prior to making a decision. The startup and testing of Cluster 1 is currently in progress and the final results are expected at the end of October 2022. This item is pending final decision.</p>
5	12/19/2019	<p>EPA/FDEP to prioritize the review of the CMOM Program Implementation Schedule.</p>	<p>At the December 19, 2019 CD Program Update Meeting, WASD requested an update on the status of the approval for CMOM Program Implementation Schedule submitted on August 6, 2018. Brad Ammons (EPA) committed to prioritize the review of the CMOM Program Implementation Schedule. A revised CMOM Program Implementation Schedule was submitted on May 19, 2021.</p> <p>At the June 2020 CD Program Update Meeting, FDEP suggested that the County update the CMOM Program Implementation Schedule to include language that establishes that the updated schedule is valid if approval is given by target date and language for approval delay procedure. The County provided a revised CMOM Implementation scheduled on March 19, 2021. This item is pending review by EPA and FDEP.</p>

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
6	2/20/2020	WASD to resend response to FDEP's comments on the BODR for Thickening and Dewatering Project (CD CIP 1.6, 1.8, 2.12 2.13, 2.16 and 2.18(2)).	In the February 2020, WASD required an update on the status of the FDEP's review and approval of the BODR for Thickening and Dewatering Project (CD CIP 1.6, 1.8, 2.12 2.13, 2.16 and 2.18(2)). FDEP requested that the response to FDEP's comments be resent to facilitate their review. On February 20, 2020, WASD resent the October 2019 communication to FDEP. On March 5, 2020, FDEP issued a conditional approval. The solid loading for both facilities have been revised and submitted to FDEP on May 21, 2021. Approval for CD CIP 1.6 and 1.8 was received from FDEP on May 24, 2021. On October 27, 2021, a WASD/FDEP Coordination Meeting was held to discuss CD CIP 2.12, 2.13, 2.16 and 2.18(2) and the FDEP approval was received on January 5, 2022. This item is resolved.
7	2/20/2020	EPA/FDEP to consider WASD's request to discontinue the Semi-Annual Reporting as per CD Sect. IX Paragraph 33.	In the February 2020 CD Program Update Meeting, WASD requested EPA and FDEP consider discontinuing the Semi-Annual Reporting as per CD Section IX, Paragraph 33: "Six year from the Effective Date of the CD and each subsequent year until termination, the United States, FDEP and Miami-Dade agree to consider whether to discontinue the Semi-Annual Reports." At the April 2020 CD Program Update Meeting, FDEP stated that they had no objection in discontinuing the Semi-Annual Reports. At the June 2020 CD Program Update Meeting, the County advised EPA/FDEP that this request was placed on hold for the time being.
8	4/16/2020	RER-DERM to provide EPA/FDEP with the Project Certifications for CD CIP 5.01 – PS 0418 and CD CIP 5.05 – PS 0415.	At the April 2020 CD Program Update Meeting, FDEP requested that RER-DERM provide EPA/FDEP with the Project Certifications for CD CIP 5.01 – PS 0418 and CD 5.05 – PS 0415. On April 16, 2020, RER-DERM provided the requested Certifications. This Item is resolved.
9	4/16/2020	Discussion on Force Majeure impacts of COVID-19. The County to collect supporting documentation related to any COVID-19 Force Majeure Claim.	At the April 2020 CD Program Update Meeting, the County provided a summary of the impacts of COVID-19 on Consent Decree CIPs in construction, permitting and procurement phases. FDEP and EPA reiterated that supporting documentation will be needed to evaluate any COVID-19 Force Majeure Claim for delays. The County has a Consent Decree Program Pandemic Related Delay Presentation scheduled for July 8, 2022 with EPA and FDEP.

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
10	5/27/2021	Outstanding Force Majeure and Potential Delay Stipulated Penalties	<p>On May 27, 2021, the County, EPA, DOJ, and FDEP met to discuss a list of projects that required additional information in order to make a determination as to whether Stipulated Penalties would be assessed, reduced, or not assessed at all. On August 13, 2021, the County submitted a letter with the requested information on each project, and on December 3, 2021, the County submitted a Supplemental Letter to the 2021 Quarterly Report No. 3.</p> <p>On May 2, 2022, the County submitted a response letter to EPA and FDEP with Additional Information on CD Projects with Force Majeure and Delay Notifications. The County continues to provide project updates as Appendix B of the Quarterly Reports.</p>
11	5/19/2022	EPA's Request for Additional Information on Force Majeure and/or Delay Notification Letter received in March 2022.	<p>At the May 2022 CD Program Update Meeting it was discussed that the County submitted a response letter to EPA and FDEP Request for Additional Information on CD Projects with Force Majeure and Delay Notifications on May 2, 2022. This item is pending review by EPA and FDEP.</p>

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 (6) months after the date of lodging). On April 9, 2014, the Court approved a CD with the United States of America, the Florida Department of Environmental Protection, and the State of Florida. Pursuant to Section IX of the CD, the County is required to submit a Semi-Annual Report to EPA and FDEP. The County has prepared this Semi-Annual Report to satisfy the reporting requirements found in Paragraph 33 of the CD.

2.2 Requirements

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

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

2.3 Reporting Schedule

Pursuant to Paragraph 33 of the CD, Semi-Annual Reports are to be submitted to the EPA and FDEP beginning one (1) month after the first two (2) Calendar Quarters following the Effective Date of the CD, and one (1) month after each subsequent two (2) Calendar Quarters until termination of the CD. Since the Effective Date of the CD is December 6, 2013, the first Semi-Annual Report was submitted on July 30, 2014, according to the above requirement. Subsequent Semi-Annual Reports are being submitted pursuant to Paragraph 33 of the CD. Six (6) years from

the Effective Date of the Consent Decree and each subsequent year until termination, the United States, FDEP, and the County agree to consider whether to discontinue the Semi-Annual Reports. If the United States, FDEP and the County 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.

2.4 Reporting Structure

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

3.0 Work Progress

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

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

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

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

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

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

3.3 Supplemental Environmental Project Plan

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

The SEP Completion Report was submitted on the CD Compliance deadline of December 18, 2019. The EPA and FDEP review and approval of the SEP Completion Report is pending. Some of the properties required to connect were able to establish sewer connections. After being impacted by the Pandemic, RER-DERM has reinitiated enforcement actions for SEP property owners with overdue Notice of Required Connection (NORC). The list of properties that have received NORC letters and those that have connected to date is presented in the connection database spreadsheet included as Appendix D.

4.0 Additional Information

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

4.1 State's Ocean Outfall Legislation

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

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

The following progress was completed during the reporting period.

- The CDWWTP construction is progressing on drilling the first seven (7) of nine (9) new Class I municipal injection wells. Six (6) injection wells and two (2) monitoring well are completed. Drilling for one (1) more injection well and a monitoring well is underway. The Underground Injection Control (UIC) permit for the final two (2) wells is essentially complete and drilling for the final two (2) wells will begin after FDEP issues final approval. The design of the municipal well pump station is over 90 percent complete; the pump station design scope was modified to coordinate changes caused from other projects under design and these changes are now being incorporated. The industrial wells have been operating at full capacity. These industrial wells reduce about 34 to 36 mgd from the outfall discharge each month. A revised Stormwater Master Plan to account for the latest design work is under development. Additional data collection on the condition of existing force mains has been requested to complete the plan. An electrical distribution building (EDB2) design is almost complete and is being reviewed by the City of Miami (Building Permit). Design work for modifications to the outfall and Effluent Transfer Pump Station will start by the end of the year.
- The NDWWTP initial projects will include installing injection wells on the upland portion of the site while the wetland and stormwater management permits are being obtained. Five (5) new municipal wells at NDWWTP are designed and permitted (UIC). The drilling contractor completed the upland site preparation and is nearly finished drilling one (1) injection well. Currently, two (2) more injection wells are being drilled. The substantial permitting required for the site development is ongoing. WASD completed the purchase of mitigation credits

and have received the county Class I wetland permit. The Section 404 and state (ERP) wetland permits are pending to be issued. Additional data collection and permitting will be required once the wetlands can be disturbed. The design of the injection well pump station and the high-level disinfection are progressing. The existing four (4) injection wells are continuing to function at near maximum capacity and substantial outfall flow diversion is being achieved (50 to 70 percent reduction of daily flow).

Appendix A Work Progress Tables

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

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program	The Adequate Pumping, Transmission and Treatment Capacity Program is being implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A of the CD; monthly capacity certification reports are prepared by RER-DERM and kept on file by WASD. Upon request, these reports will be provided to EPA/FDEP.	1. Continued with the monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility.	1. Continue monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility.
			2. Placed under Initial Moratorium (IM) Pump Station basins that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).	2. Continue placing under Initial Moratorium (IM) Pump Station basins that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).
			3. Placed under Incomplete Moratorium (IN) Pump Station basins that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami-Dade County Code. 3.1 Used the PS Database to automatically generate and send Notification Letters to all Utilities and Private systems that failed to submit ETs.	3. Continue placing under Incomplete Moratorium (IN) Pump Station basins that fail to submit ET readings or do not submit them by the 14th of the following month, as required by the Miami-Dade County Code. 3.1. Continue using the application to issue/send automatic enforcement notifications when utilities or Private PS fail to submit ET Data on time.
			4. Continued to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading was detected.	4. Continue to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading is detected.
			4.1 Used the PS Database to automatically generate and send Notification Letters to all Utilities and Private systems when TRIPLICATE ET readings were reported.	4.1 Coordinate with IT to further enhance and/or implement automatic updates of the PS status.
			5. Continued generating the monthly NAPOT Status & Sewer Allocation reports for all Utilities and Building Officials. All Utilities and Building Officials were previously notified of how to access the NAPOT Status on the WEB, by using the PS Estimator WEB Application.	5. Continue generating the monthly NAPOT Status & Sewer Allocation reports to Utilities and Building Officials for submittal to WASD for storing in Database repository for DEP access. The report provides the updated Moratorium status for each PS basin within the Utility service areas.
			6. Sewer Allocations were de-allocated manually for municipalities according to their monthly reports as submitted to RER-DERM. 6.1 Completed automatic de-allocations of reserved flows for projects that are 10 yrs. or more in the system.	6. Continue manually de-Allocations for all municipalities according to their completed monthly reports submitted to RER-DERM. 6.1 Continue coordination with IT Department to create a WEB Application to allow Building Officials to report on-line the monthly De-Allocation report.

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

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) 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.	7. Due the COVID-19 the Quarterly Utility Round Table (URT) Meetings were held virtually. During the previous quarter, two (2) meetings were held: April 1 and June 29, 2021.	7. Will meet virtually with the utility's representatives, PSO private permittees/owners and the Engineering consultants to discuss/review compliance issues. The two (2) meetings are schedule for September 28 and December 14, 2022.
			8. Continued to use the PS system/database to track PS basins, new or upgraded with 26 HP or larger, required to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.	8. Continue requiring/notifying all Utilities that propose or upgrade PS with 26 HP pumps, or larger, to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.
			9. Continued to review Sanitary Sewer System Evaluations, or Amendments, submitted by the utilities. PS moratoriums were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM for the 2nd Cycle.	9. Continue to review Sewer System Evaluations Systems (SSES) reports or Amendments when submitted by the utilities. PS moratoriums will be reverted as the utilities demonstrate compliance with the SSES, Code requirement of 5,000 GPDIM.
			9.1 Planned to continue the update of the 4th Cycle SSES Requirements / Guidelines. The 4th Cycle report will be due by 11/12/2032 for all the public utilities. The 4th Cycle SSES Requirements / Guidelines may also be used for the 3rd Cycle due on 11/12/2022.	9.1 Continue the update of the 4th Cycle SSES Requirements / Guidelines. The 4th Cycle SSES report is due by 11/12/2032 for all public utilities. The 4th Cycle SSES Requirements / Guidelines may also be used for the 3rd Cycle due on 11/12/2022.
			10. Started the review of the GIS Water & Sewer As-Built Atlas submitted by the Utilities in January 2022.	10. Continue the review of the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January-2022 in order to assure compliance with Code requirements.
			10.1 DERM staff used the GIS Water & Sewer Atlases & As-Built layers to determine Adequate Pumping, Transmission and Treatment capacity, and other reviews/approvals requiring Water and Sewer information. 10.2 DERM met with all Utilities to address / correct issues encountered in the review of the 2020 GIS Submittals. 10.3 DERM received the reports from all VSCO utilities regarding Non-Vacant properties not connected to public water/sewer. Review of the reports started.	10.1 DERM staff will continue using the GIS Water & Sewer Atlases & As-Built layers to determine Adequate Pumping, Transmission, and Treatment capacity, and other reviews/approvals requiring Water and Sewer information. 10.2 Upon completion of the Reviews of the GIS submittals, DERM will meet with all Utilities to address and/or to correct issues encountered in the 2021 GIS Submittals. 10.3 DERM will continue the review of the reports from all VSCO utilities regarding Non-Vacant properties not connected to public water/sewer.

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

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
			<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>11.1 DERM worked/coordinated with IT staff to further enhance the PS database to place PS under moratoriums automatically.</p> <p>12. Continued Electronic reviews for construction permits pertaining to new or upgrades of Domestic Wastewater Collection and Transmission systems for ALL utilities within the Miami-Dade County service areas.</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 10 hours.</p> <p>11.1 DERM will continue working with IT staff to enhance the PS database to automate the PS status</p> <p>12. Continue electronic reviews for new construction permits or upgrades of Domestic Wastewater Collection and Transmission systems for ALL utilities within the Miami-Dade County service areas.</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, completed Data Review & Data Configuration sections of the project plan. Currently completing the reporting components for the WWTP/WTP Custom Monthly Regulatory Reports. Configuration of the Pump Station data mapping is ongoing, as is sensor importing for Rain Vieux Data, USGS data and NOAA data.	Work on the program is ongoing and will continue beyond June 30, 2022.

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

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) 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>An updated version of the WASD WCTS effective model incorporated all the changes to the system provide in the last quarter of FY2021. The effective hydraulic model submittal included:</p> <ol style="list-style-type: none"> 1. InfoWorks ICM Transportable Model Files 2. Model Changes Log 3. Transmittal Letter with summary of modifications 4. Dashboard – 2020 AADF 5. User Defined Flags – CSV File, TM, Changes Log 6. Inflows File <p>The model was updated to match field information after visits to CDWWTP and PS0001. The interceptors going to PS0001 were updated for elevation based on latest survey data that was performed by WASD. Extensive analysis was done to evaluate the capacity of PS0001 interceptors in order to plan for developments and growth in this area.</p> <p>The model also includes a Pump Station Dashboard that provides a detailed summary/overview of the pump station results for existing scenario annual average daily flow condition was delivered along with the effective model.</p> <p>The model update was completed through October, 2021.</p>	<p>Continue efforts to update hydraulic model with information available for improvement projects associated with Consent Decree, WASD Master Plan, Pump Station Improvement Program as well as New Development Projects in an effort to maintain the most up to date projection scenarios for current year and years 2025, 2035, and 2040 in the WASD hydraulic model.</p> <p>The model will be updated with inflows hydrographs based on 2020 SCADA data.</p> <p>This effort is to address Section VI, Paragraph (18).(c).(iv) of the Consent Decree.</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 June 30, 2022.
			<ol style="list-style-type: none"> 1. Monitored and tracked the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility. 2. Placed under Moratorium Pump Stations (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 	<ol style="list-style-type: none"> 1. Continue Monitoring and tracking of the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility. 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).

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

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) 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.	<p>3. Placed automatically under Incomplete Moratorium (IN) Pump Station basins that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami-Dade County Code.</p> <p>3.1 Used the completed automatization of the WEB ET Application to generate and send Notification Letters to all Utilities and Private systems when they fail to submit ETs.</p> <p>4. Updated Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.</p> <p>5. Created the Volume Sewer Customer Utilities monthly Nominal Average Pump Operating Time (NAPOT) Status Report. Moratoriums were updated accordingly.</p> <p>6. Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.</p> <p>6.1 Completed enhancement of the PS Database to flag the PS if placed under moratorium for No Ets or Triplicate Readings.</p> <p>7. Issued enforcement letters or RFIs for SSO events reported or documented by DERM personnel, as needed.</p> <p>7.1 Placed Moratoriums on basins that experienced multiple SSOs, in order to minimize or prevent additional SSOs.</p>	<p>3. Continue placing automatically under Incomplete Moratorium (IN) Pump Station basins that fail to submit ET readings or do not submit them by the 14th of the following month, as required by the Miami-Dade County Code.</p> <p>3.1. Continue implementing/using the automatic generation of Moratorium / Enforcement letters when utilities and Private systems fail to submit ET Data on time.</p> <p>4. Continue updating Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utilities complete and certify the Corrective Action Plan(s) (CAP) to bring basin's Nominal Average Pump Operating Time (NAPOT) below the 10 hours.</p> <p>5. Continue to generate the Volume Sewer Customer monthly Certification of Nominal Average Pump Operating Time (NAPOT) Status report.</p> <p>6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.</p> <p>6.1 Continue coordination with IT to enhance the automatization of the PS moratoriums due to other conditions.</p> <p>7. Continue to issue enforcement letters or Requests for Information (RFIs) for SSO events reported or documented by DERM personnel, as needed.</p> <p>7.1 Implement Moratoriums as needed to minimize or prevent additional SSOs and adverse impacts to the environment.</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 (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) 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.	<p>8. Continued to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, submitted by the Volume Sewer Customer utilities.</p> <p>8.1 Moratoriums status was reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.</p> <p>8.1.a Moratorium Placed in several PS basins under the jurisdiction of Homestead for failure to demonstrate compliance and/or provide support documentation.</p> <p>9. Followed-up on the enforcement action against utilities that reported SSOs during this period. Moratoriums were placed on repeat SSO to prevent future discharges subject to the utility implementation of corrective actions.</p> <p>10. Due to the Pandemic Virtual Meetings continued to be held with the Utility/Municipal Officials during this period.</p> <p>11. Implemented automatic De-Allocations of reserved flows that have been in the database for 10 years or more. This process provided additional flow capacity for new/future developments.</p> <p>11.1 Performed manual De-Allocations of reserved flows that have been in the database for projects completed, expired, canceled or CO'ed.</p> <p>12. Met with all Volume Sewer Customer utilities and/or representatives that participated in two (2) Virtual URT Meetings held during the last two (2) Quarters in 2022.</p>	<p>8. Continue to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, as submitted.</p> <p>8.1 PS moratoriums will be reverted if the utilities demonstrate compliance with the 5,000 GPDIM SSES Code requirement or the moratorium status remains if the utility does demonstrate compliance.</p> <p>8.1.a Continue to place moratoriums for utilities failing to submit the support documentation demonstrating compliance with the 5,000 GPDIM standard.</p> <p>9. Continue enforcement action against any utility that experiences repeat SSOs and implement monitoring and/or inspections, as needed, with the intent to prevent or minimize SSOs. Moratoriums will be placed in cases of repeat SSOs pending the submittal of corrective actions by the utility.</p> <p>10. As needed, schedule additional meetings with the Utility/Municipal officials.</p> <p>11. Continue to De-Allocate reserved flows that have been in the database for 10 years or more. This process provided additional flow capacity for new/future developments.</p> <p>11.1 Continue performing manual De-Allocations of reserved flows for projects completed, expired, canceled or CO'ed.</p> <p>12. Continue to use Virtual URT meetings with all Volume Sewer Customer utilities to share or inform about Code Requirements, Compliance status, and ways to improve efficiency in all programs involving.</p>
			<p>13. Reviewed Annual and Semi-annual reports submitted by the Volume Sewer Customer Utilities, which include Illicit Stormwater Connections, SSES and CMOM work related reports.</p>	<p>13. Review the Annual and Semi-Annual reports as submitted by the Volume Sewer Customer Utilities, for Illicit Stormwater Connections, SSES and CMOM work related reports.</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 (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) 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.	14. Started reviews of the GIS WASD As-Built / Atlases submitted by each Volume Sewer Customer Utility in January-2022 to assure compliance with Code requirements.	14. Continue reviews of the GIS WASD As-Built / Atlases submitted by each Volume Sewer Customer Utility to assure compliance with Code requirements. Will schedule meetings as necessary.
			15. Re-initiated the inspection program of all public and private sanitary sewer pump stations in the County.	15. Continued with the inspection program of all public and private sanitary sewer pump stations.
			15.1 DERM initiated enforcement actions for violations/deficiencies identified during the inspections.	15.1 Plan Inspection of properties that obtained Sewer Extension permits and the permit has expired.
			16. Due to the Pandemic and Staffing shortages the reviews of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities reviews could not be completed. Completed interviews of candidates for new staffing positions. Some personnel were hired. Additional positions advertised.	16. Plan to complete the hiring process of the new staff to assist with the reviews of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities as well as other reports.
17. Due to the Pandemic and staffing the review of televising reports received from the utilities having sanitary sewer collection and transmission systems within well field protection areas was not completed. However, DERM completed interviews of candidates for new staffing positions.	17. Plan to secure staff to assist with the reviews of the televising reports received from the utilities having sanitary sewer collection and transmission systems within well field protection areas. Plan to complete hiring process of the new staffing to assist with the reviews.			

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(a)	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 FOG "Did You Know" flyers to Municipalities and posted on DERM webpage. Due to COVID-19 flyers were not distributed in person.	2. Update and distribute Outreach flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters. Reevaluate our outreach for Food Service Establishment (FSE) in order to adapt to new challenges.
			3. Continued FOG Outreach, including workshops. FOG and Utility Round Table meetings where held virtually via Microsoft Teams.	3. Continue FOG Outreach, including West Coast Inspectors Workshop (in-person or virtual). Virtual FOG and Utility Round Table meetings will continue.
			4. Continued to receive monthly hauled waste disposal data from WASD and Pompano/Broward using the eManifest system. Assigned FOG Inspectors to run eManifest Reports and schedule inspections based on findings.	4. Continue to receive monthly hauled waste disposal data from WASD and Pompano/Broward. Assign FOG Inspectors to run eManifest Reports and schedule inspections based on findings.
			5. Updated FSE FOG Operating Permit (GDO) conditions, and included training requirements.	5. Review FSE FOG Operating Permit (GDOs) conditions and update accordingly. Prior to issuance of permits there will be virtual outreach events to inform regulated community about changes to permit conditions and also to provide them with general information about their permits.
			6. Continued enforcement and compliance assistance with NGTs FSE. 100% of these facilities are under enforcement; however, due to COVID-19 compliance has only been reached for 94.82% of them.	6. Continue enforcement (and compliance assistance) with NGTs FSE. Goal to achieve 100% compliance continues. Facilities that remain out of compliance (5.18%) will continue under enforcement until 100% compliance is achieved.
			7. Updates to the Liquid Waste Transporter (LWT) permit conditions were completed.	7. Review LWT Permit conditions and update accordingly. This is going to be an annual exercise. Also, virtual outreach events to inform regulated community about changes and to have them familiarized with permit conditions will be scheduled every year before permit issuance.
			8. Monitoring of "NO COMMINGLING of FOG" (implemented April 1, 2017) at the South District Wastewater Treatment Plant has been put on hold because of COVID-19 and other program priorities due to limited personnel. Assistance provided to treatment plant personnel for seven (7) days at the request of WASD.	8. These inspections at the South District Wastewater Treatment Plant have been put on hold because of COVID-19 and limited personnel. They will remain on hold at least for the next six (6) months depending on COVID-19 and personnel.
			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 (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(a)	Fats, Oils and Grease Control Program (Continued)	The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	10. Continued to perform and track FOG Construction Inspections, and to document inspection results to improve FOG Plan Review procedures.	10. Continue to perform and track FOG Construction Inspections. Document inspection results to improve FOG Plan Review procedures. Work on developing an on-line FOG Construction Inspection portal.
			11. Continued to track FOG Hot Spots and identify sources(s) and root cause(s). Continued to collect monthly accelerated FOG maintenance reports from utilities.	11. Continue to track FOG Hot Spots and identify sources(s) and root cause(s). Take enforcement as required to remedy FOG Hot Spots. Complaints will be reviewed and prioritized for inspections accordingly.
			12. Continued to work with equipment manufacturers to get FOG Control Devices approved for FOG2.0.	12. Continue to work with equipment manufacturers to get FOG Control Devices approved for FOG2.0.
			13. Implemented FOG related tasks associated with LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual, including reviewing random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste. Also, reviewed monthly FOG facility effluent sampling data for parameter trends. Updated training requirements for disposal facilities.	13. Continue to random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste, according with the LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual. Also, review monthly FOG facility effluent sampling data for parameter trends. Also includes updating training requirements for disposal facilities.
			14. Continued to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 5th FOG Control Program Annual Review Report.	14. Continue to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 6th FOG Control Program Annual Review Report.
			15. Developed or approved training programs for 2022 permitting cycle for LWTs and Disposal Facilities. Pending implementation by WASD.	15. Continue developing or approving training programs for 2023 permitting cycle for LWTs and Disposal Facilities.
			16. Continued the Public Outreach program in collaboration with WASD. Some events scheduled for the last two years were cancelled because of COVID-19.	16. Continue preparing and implementing Public Outreach program outline and schedule in collaboration with WASD. Implementation of the Residential Outreach program that was due by March 5, 2020 is still being impacted by COVID-19.
			17. Contacted local business improvement districts (BIDs) to improve the outreach for businesses. Invited to quarterly virtual outreach events.	17. Coordinate meetings with local business improvement districts (BIDs) to improve the outreach for businesses.
			18. Continued working in collaboration with municipalities to reduce FOG impact in the Collection system, including sharing information and resources. Specifically City of Miami Beach, Town of Medley, North Miami, Coral Gables, and Opa-Locka.	18. Continue working in collaboration with municipalities to reduce FOG impact in the Collection system, including sharing information and resources. Specifically City of Miami Beach, Town of Medley, North Miami, Coral Gables, and Opa-Locka.
19. Continued quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.	19. Continue quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.			

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(a)	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.	20. Continued enforcement (and compliance assistance) with FSEs to procure compliance with the current regulations. This includes unpermitted facilities, as well as existing facilities with FOG discharges over the minimum allowed, or not complying with operating permit conditions.	20. Continue enforcement (and compliance assistance) with FSEs to procure compliance with the current regulations. This includes unpermitted facilities, as well as existing facilities with FOG discharges over the minimum allowed, or not complying with operating permit conditions.
			21. Planned to implement annual routine inspections to the current 7,578 GDO permitted facilities, pending on approval of additional staff.	21. Started to perform annual routine inspections to the current 7,811 GDO permitted facilities. The program is in the process of filling vacant positions and pending approval of additional staff.
			22. Hot Spots inspections result from request from the Utilities to determine possible facilities causing FOG discharges in specific areas. Complaint inspections were conducted based on private and municipal complaints.	22. DERM is working on implementing the use of realtime level monitoring systems (e.g., SmartLevelTM/SmartCover). A pilot program was proposed and approved. It is anticipated that the Hot Spots inspections will be performed by the SSO Response & Prevention Program in close coordination with the FOG Program supervisors and new Program Manager.
			23. Planned to implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages.	23. Implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages. Scheduled to start by 2023 by the SSO Response and Prevention Team.
			24. Planned to begin confirmation inspections to facilities reported as closed. Estimated that 50% of the total 3,756 facilities are expected to be inspected by 2022-2023, pending approval of additional staff.	24. Begin confirmation inspections to facilities reported as closed. Estimated that 50% of the total 3,756 facilities are expected to be inspected by 2022-2023, pending approval of additional staff. FOG Control Inspection Team currently working on Routine Inspections.
			25. Continued reviewing OL/CU/LBTR applications for FSEs. To assure compliance with FOG Control Program regulations.	25. Continue reviewing OL/CU/LBTR applications for FSEs. To assure compliance with FOG Control Program regulations.
			26. Continued reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).	26. Continue reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).
			27. FOG Accelerated Maintenance Application was completed and implemented. Pending further testing by Municipalities.	27. Complete update and re-implementation of FOG Accelerated Maintenance Application.
		28. Performed inspections in response to SSOs due to grease.	28. Continue inspections in response to SSOs due to grease.	

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(b)	Sewer Overflow Response Plan	The SORP is a program for identifying and reporting SSOs. The SORP is being implemented in accordance with Paragraph 19(b). This Plan will establish timely and effective methods and means of responding to, cleaning up, and/or minimizing the impact of SSOs; timely reporting of the location, volume, cause, impact, and other pertinent SSO information to the appropriate regulatory agencies; and timely and effective notification of SSOs to potentially impacted public. In addition, the plan involves a re-evaluation of the County's previous program.	Work on the program was ongoing: 1. Continued all required SSO reporting 2. Continued holding monthly SSO evaluation meetings 3. Continued use of the Consolidated SSO Database 4. Continue development of the Building Backup Application.	Work on the program will include the activities listed in the CMOM Implementation Schedule will continue.
19(c)	Information Management System Program	The IMS Program is being developed in accordance with Paragraph 19(c). This Program will aid County managers and field supervisors to adequately track scheduled operational and maintenance activities; evaluate operations, maintenance, customer service and Sewer System rehabilitation activities and improve overall Sewer System performance.	Work on the program was ongoing: 1. Continued working on transitioning PCTS software from Proliance to e-Builder, to enhance Construction Contracts Management project close-out business practices. 2. Continued the development of CMOM performance measures and KPI tracking. Draft SORP KPIs have been developed, with the development of the GSSOMP KPIs in process 3. Continued enhancements of EAMS to improve maintenance processes and activities, including implementation of PFAC codes, maintenance checklists, incorporating monitored data for automating schedules, and deployment of mobile devices. 4. Procured SCADA Watch	1. Continue working on transitioning PCTS software from Proliance to e-Builder. 2. Continue the development of CMOM performance measures and KPI tracking. 3. Continue enhancement of EAMS 4. Continue MOR and DMR reporting implementation
19(c)(x)	Geographic Information Systems Program	The GIS Program is being developed in accordance with Paragraph 19(c)(x). This Program will improve the existing map of the County's entire WCTS. The scope of work for this Program involves completing the estimated 1800 GIS backlog projects and estimated 2000 reported GIS data inconsistencies prior to June 7, 2017.	1. Manhole rim and pipe inverts and their inclusion into GIS - Completed. Updates continue as part of the GIS data maintenance process. 2. Streamlining the manual as-built to GIS process to satisfy 90 day requirement – Completed. Improvements continue as opportunities arise. 3. GIS to Hydraulic Model Integration to satisfy 90 day requirement from GIS to Model – Completed. Updates continue 4. Electronic As-Built Submittal - Completed.	GraniteNet migration to new version in progress to include SQL 2019 and CUES Web Office and Web Sync solutions. The GIS integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2022 Annual Report. The GIS Hydraulic Model integration of all projects conveyed and activated are being tracked. Model data is updated automatically on a monthly basis. Reviewing additional requirements as needed for modernization. The metrics will be reported in the 2022 Annual Report. Finalizing automated processes for updating GIS CADD submittal layers and reviewing updated requirements for new AutoCAD templates. CADD Civil 3D asset catalog list in progress.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(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: 1. Work with WASD staff and outside consultants to develop scope for the capture of asset inventory and condition assessment for the Pump Stations Division 2. Work with WASD staff and outside consultants to capture of asset inventory at the Wastewater Treatment Plants 3. Work with EAMS Division to facilitate input of asset inventory and conditions assessments within the department's asset management systems	Continue gathering asset inventory and conditions assessments and input information within the department's asset management systems. Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue.
19(e)	Gravity Sewer System Operations and Maintenance Program	The Gravity Sewer System Operations and Maintenance Program is being developed in accordance with Paragraph 19(e) of the CD. This Program will address SSOs, particularly those caused by FOG, roots and/or debris obstructions. The program will facilitate proper operation and maintenance activities associated with gravity mains in the WCTS.	Work on the program was ongoing: 1. Continued to deploy Smart Covers to "hot spots" to closely monitor and prevent SSOs. 2. CCTV contract to inspect gravity sewer mains for Pump Station 0002 in Procurement process 3. CCTV inspection for all WPO station was scheduled for implementation	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue.
19(f)	Pump Station Operations and Preventative Maintenance Program	The Pump Station Operations and Preventive Maintenance Program is being developed in accordance with Paragraph 19(f) of the CD. This Program will facilitate proper operation and maintenance activities associated with the Pump Stations within the WCTS.	Work on the Program was ongoing: 1. Work with WASD staff and outside consultants to develop scope for the capture of asset inventory and condition assessment for the Pump Stations Division. 2. Started inter-departmental discussions (Pump Station Division, EAMS Division and Quality Assurance & Quality Control Division) for the development of the SOPs for all internal processes within the Pump Stations Division (Electrical, Mechanical, Structural, Wet-Well Rehabilitation and Diesel Maintenance)	1.Implementation of upgrades to the Pump Station Division's electronic asset management system to include Problem, Failure, Action, and Cause codes, and Preventative Maintenance schedules. 2.Initiate work order with consultant for the gathering of asset management information for a representative number of pump stations. Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(g)	Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program	The Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program is being developed in accordance with Paragraph 19(g) of the CD. This program will facilitate proper operations and maintenance activities associated with Force Mains within the WCTS. It will also help produce a criticality assessment of the structural integrity of its Force Mains and the risk of Force Main critical failure. The Force Main Rehabilitation/Replacement Program includes standard procedures for repairing, rehabilitating and replacing force mains.	Work on the Program was ongoing: 1. The Force Main Assessment Program is pending approval of the Criticality Assessment and Prioritization Report (submitted to the EPA/FDEP on July 17, 2018). 2. ARV program is ongoing.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue. Re-inspection cycle for 72-inch PPCP pipes in the south area of the County to take place during the next dry season. Finalize the establishment of SOPs for the evaluation of soils, develop specifications for the use of inert materials, and develop standards for corrosion control options.
19(h)	WWTP Operations and Maintenance Program	The WWTP Operations and Maintenance Program is being developed in accordance with Paragraph 19(h) in the CD. This program will facilitate proper operation, maintenance and equipment replacement activities associated with the WWTPs.	Work on the program was ongoing: 1. Continued random collection of hauled waste as a standard practice. The random sample collection practice and procedures used at the SDWWTP are in accordance with EPA's Handbook Guidance Manual for Control of Hauled Wastes EPA 833 B 98 003, Section 24-42.4 of the Miami-Dade Code, and the Hauled Waste Guidance Manual. 2. RER-DERM/WASD Coordination Meetings were held via Microsoft Teams on February 16, 2022 and on May 11, 2022 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system. 3. Work with WASD staff and outside consultants to capture of asset inventory at the Wastewater Treatment Plants.	Work on the Program will include the activities listed in the CMOM Implementation Schedule. Continue gathering asset inventory and input information within the department's asset management systems. Next RER-DERM/WASD Coordination Meetings will be held on August 3, 2022 and October 26, 2022 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.
19(j)	Financial Analysis Program	The Financial Analysis Program is being implemented in accordance with Paragraph 19(j) of the CD. The purpose of this program is to effectively establish and track the sufficiency of funds for operations and maintenance, capital projects financing, and debt service coverage associated with the Sewer System, including, without limitation, the continued Work pursuant to the CD.	Work on the program was ongoing. Financial Analysis Program Report, which includes the expenditures for both operating and capital from FYTD October 2021 through March 2022 can be found in Appendix C.	Work on the program will include the activities listed in the CMOM Implementation Schedule will continue.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1.1	Headworks	The SDWWTP Headworks project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves routine repairs on existing bar screen mechanisms in headwork structure prior to aerated grit chambers. Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the plant headworks structure towards nearby surface waters, especially during peak wet weather.	This project reached substantial completion on November 6, 2019, ahead of CD compliance date of February 23, 2020.	N/A
1.2	Oxygen Production	The SDWWTP Oxygen Production project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new electrical building which include new electrical equipment, procure and install a new compression unit #4 and retrofit existing air compression unit #3.	On July 14, 2021, the County notified EPA and FDEP of a Potential Delay and February 25, 2022 a Failure to Meet Compliance Date for CD CIP 1.2 – Oxygen Production at SDWWTP due to delays in the field conditions, equipment manufacturing delays and system integration of this project during the construction phase. The Compliance Date is February 25, 2022 and construction continued.	Construction will be completed..
1.3	Oxygenation Trains	The SDWWTP Oxygen Trains project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to retrofit aeration mixers and rehabilitate and apply surface coating to the structure. This project was split into three child projects: (1) for the structural rehab of the trains, (2) for the electrical building expansions and mixer upgrades (OOL) and (3) oxygenation train - SS 5/6 and SS 15/16 (OOL).	1.3(1) Construction Train 4 Oxygenation Tanks Structural Rehab completed July 31, 2020. 1.3(2) Permitting for Electrical Building Expansion and Oxygenation Trains Mixer Upgrades was completed and procurement commenced. 1.3(3) Procurement continued train - SS 5/6 and SS 15/16.	1.3(1) Structural Rehabilitation of the oxygen trains has been completed. 1.3(2) Procurement for Electrical Building Expansion and mixer upgrade will continue. 1.3(3) Procurement for oxygenation train - SS 5/6 and SS 15/16 will be completed.
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.	This project reached substantial completion on January 27, 2022, ahead of the CD compliance date of August 7, 2023.	N/A

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1.5	Effluent Pump Station	The SDWWTP Effluent Pump Station project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves an upgrade of the existing obsolete pump control systems, upgrade of the pumps drives and motors, and structural rehabilitation of pump station wet well, i.e. Chambers 1 through 4. This project has been split into three (3) 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.	<p>1.5(1) This child project reached substantial completion on May 26, 2020.</p> <p>1.5(2) On October 29, 2021, the County notified EPA and FDEP of a Potential Delay and on April 7, 2022 submitted a Request for Time Extension and Project Status Update Notification for CD CIP 1.5 – Effluent Pump Station at SDWWTP due to COVID-19 Pandemic caused delays in equipment repairs, and the unforeseen site conditions during construction and impacted the schedule by 14-days. . The Compliance Date is April 7, 2022 and the project achieved substantial completion on April 21, 2022. and a Completion Notification letter was submitted on June 2, 2022</p> <p>1.5(3) Completed on January 23, 2016.</p>	<p>1.5(1) N/A</p> <p>1.5(2) Construction was completed.</p> <p>1.5(3) N/A</p>
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.	Design Build project Notice to Proceed was issued on July 6, 2020. Currently the project is in design-build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work.	Design/Build Construction will continue.
1.7	Digesters and Control Buildings	The SDWWTP Digester and Control Buildings project will be performed pursuant to Paragraph 19(i) and Appendix D. The project involves the rehabilitation or replacement of digester roofs for Clusters 1 and 2; digester tank cleaning, structural rehabilitation and coating, sludge mixers improvement. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project also includes the construction of a new Substation 7 & 8, a new Acid Phase Building and new Gas Flares.	Construction continued.	Construction will continue.
1.8	Dewatering Facility	The SDWWTP Dewatering Facility project is being performed pursuant to Paragraph 19(i) and Appendix A. The purpose of this project is to replace the existing interim dewatering building with a new permanent dewatering facility. This will improve sludge dewatering and decrease solids accumulation in the secondary treatment process and prevent effluent limit violations. This project is being performed under Design-Build delivery method.	Design Build project Notice to Proceed was issued on July 6, 2020. Currently the project is in Design-Build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work.	Design/Build Construction will continue.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1.9	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 existing 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. A new FOG facility is currently under design.	This project reached substantial completion on March 26, 2019, ahead of the CD Compliance Date of May 24, 2019.	N/A
1.10	Odor Control	The SDWWTP Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to upgrade the odor control facilities serving Headworks Plant 1 and Plant 2.	Construction continued.	Construction continued.
1.11	General Electrical	The SDWWTP General Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical equipment, controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1.1) SDWWTP Substation 9-12; 1.2) Generator Repairs; 2) Replacement of primary feeders from Main Switchgear A & B to Effluent Pump Station Pumps 1-6 (Part of 1.05(2))	1.11(1.1) Notice to Proceed was issued on September 08, 2020. Construction continued. 1.11(1.2) Award was rescinded due to unacceptable bid. Procurement (Re-bid) completed. Construction started. 1.11(2) Construction continued.	1.11(1.1) Construction will continue. 1.11(1.2) Construction will continue. 1.11(2) Construction will completed.
1.12	Chlorine Contact Chamber Structural Rehabilitation	The SDWWTP Chlorine Contact Chamber Structural project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the structural rehabilitation and coating of chlorine contact chambers 1 through 4. This project was split into two child projects: 1.12(1) Chlorine Contact Chamber Actuator Replacement; and 1.12(2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement.	1.12(1) Actuator Replacement reached substantial completion on June 5, 2018. 1.12(2) Structural rehab. of Contact Chambers # 3 and #4 continued completed July 9, 2020. Procurement for Structural rehab. of Contact Chamber #2 completed, NTP issued on November 30, 2020. Project reached substantial completion April 5, 2021.	N/A

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.1	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 to reflect 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 was completed on May 5, 2016.</p> <p>2.1(2) Construction completed.</p> <p>2.1(3) Construction continued.</p> <p>2.1(4) Construction completed.</p> <p>2.1(5) Construction completed.</p> <p>2.1(6) Construction was completed on October 4, 2019.</p> <p>2.1(7) Construction completed.</p>	<p>2.1(1) N/A</p> <p>2.1(2) N/A</p> <p>2.1(3) Construction will continue.</p> <p>2.1(4) N/A</p> <p>2.1(5) N/A</p> <p>2.1(6) N/A</p> <p>2.1(7) N/A</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>This project reached substantial completion on January 17, 2020.</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) Construction was completed on October 19, 2016.</p> <p>2.2(2) Construction was completed on January 17, 2020.</p>	N/A
2.3	Headworks Plant 1	<p>The CDWWTP Headworks/Grit Basin Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure.</p>	<p>This project reached substantial completion on March 7, 2019, ahead of the CD Compliance Date of March 16, 2019.</p>	N/A
2.4	Headworks Plant 2	<p>The CDWWTP Headworks/Grit Basin project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure.</p>	<p>This project reached substantial completion on August 13, 2019, ahead of CD Compliance Date of August 23, 2019.</p>	N/A
2.5	Oxygenation Trains Plant 1	<p>The CDWWTP Oxygenation Trains Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application.</p> <p>Mixer retrofits were completed in early 2014.</p> <p>Structural rehabilitation work for Train #2 and Train #3 were performed by WASD in-house forces during the dry seasons.</p>	<p>This project reached substantial completion on June 22, 2018, ahead of the CD Compliance Date of April 12, 2019.</p>	N/A

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.6	Oxygenation Trains 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.	Construction completed.	N/A
2.7	Secondary Clarifiers Plant 1	The CDWWTP Secondary Clarifiers Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure and replace the sludge collection mechanisms in the plant. This project has been split in 3 child projects: 1) Secondary Clarifiers Plant 1 RAS pump discharge piping. 2) Secondary Clarifiers Plant 1 Train Mechanisms. 3) Secondary Clarifiers Plant 1 Structural Rehab.	2.7(1) Procurement continued. 2.7(2) Mechanism upgrade work postponed for Tank #3 due to rephasing. Expected to commence in 2024. 2.7(3) Structural rehabilitation of Tank #3 postponed due to rephasing. Expected to commence in 2024	2.7(1) Procurement will continue. 2.7(2) Construction on hold. 2.7(3) Procurement on hold.
2.8	Secondary Clarifiers Plant 2	The CDWWTP Secondary Clarifiers Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure, replace the sludge collection mechanisms in the plant and provide electrical equipment for new annex building. This project has been split into three child projects: 1) RAS pump discharge piping, 2) Train Mechanisms, and 3) Structural Rehab.	2.8(1) Construction continued. 2.8(2) Mechanism upgrades continued for Tanks #10 and 8 were completed. 2.8(3) Re-bid for Tank#4 will commenced.	2.8(1) Construction will continue. 2.8(2) Construction will continue for Tank #10 and will be completed. Tank #4 work will commence. 2.8(3) Procurement for Tank #4 will continue.
2.9	RS Pump Stations Plant 1	The CDWWTP RS Pump Stations Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. Work on this project will be performed in conjunction with Project 2.7.	Procurement continued.	Procurement will continue.
2.10	RS Pump Stations Plant 2	The CDWWTP RS Pump Stations Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. This project has been split into Two (2) separate child projects: 1) Return Sludge PS Plant 2 - RAS Pump, 2) Return Sludge PS Plant. 2 - RAS Line.	2.10(1) Construction continued. 2.10(2) Construction of RAS Header Pipe was completed on July 7, 2017.	2.10(1) Construction will continue. 2.10(2) N/A
2.11	Effluent Pump Station	The CDWWTP Effluent Pump Station project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the pump motors and related electrical equipment in the effluent pump station.	Consent Decree construction completion was achieved on June 17, 2021.	N/A

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.12	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.	Design Build project Notice to Proceed was issued on July 6, 2020. Currently the project is in Design-Build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work.	Design-Build Construction 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.	Design Build project Notice to Proceed was issued on July 6, 2020. Currently the project is in design-build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work.	Design-Build Construction 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 once Plant 2 Cluster 1 is completed.
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 four (4) different child projects; 2.15(1) refers to digesters in cluster 1; 2.15(2) refers to digesters in Cluster 2; 2.15(3) refers to digesters in Cluster 3; and 2.15(4) refers to digesters in Cluster 4.	2.15(1) Construction continued. 2.15(2) Construction continued. 2.15(3) Procurement commenced. 2.15(4) Child project deleted as approved by EPA.	2.15(1) Construction will be completed. 2.15(2) Construction will completed. 2.15(3) Procurement will completed and construction will commence.
2.16	Dewatering Building	The CDWWTP Dewatering Building project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new combined thickening and dewatering facility and sludge cake conveyance system to the sludge storage buildings. This project is being performed under design-build delivery method.	Design Build project Notice to Proceed was issued on July 6, 2020. Currently the project is in Design-Build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work.	Design-Build Construction will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.17	Chlorination Facilities	The CDWWTP Chlorination Facilities project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the design and construction of a new bulk sodium hypochlorite storage and dosing system in separate outdoor structures to replace the existing chlorine gas system.	This project reached substantial completion on July 27, 2018 ahead of the CD compliance date of October 15, 2018.	N/A
2.18	Odor Control Systems	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This involves the replacement of the motor control center of the odor control buildings including air-conditioned electrical rooms. It also involves replacement of odor control chemical pumps, piping, valves and gas stripping tower media. This project will be completed in conjunction with other related projects. A portion of this project 2.18(1) Headworks Odor Controls System, will be performed earlier in coordination with the Headworks projects (2.3/2.4). The remainder will be performed in coordination with the Design-Build Dewatering project (2.16).	2.18(1) This child project reached substantial completion on September 11, 2019. 2.18(2) Design-Build project Notice to Proceed was issued on July 6, 2020.	2.18(1) N/A 2.18(2) Design-Build Construction will continue.
2.19	Co-Gen Facility	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the installation of two new cogeneration engines, cogeneration building improvements, replacement of biogas pipeline and installation of biogas conditioning system. Thus, this project has been split into separate "child" projects: 1) Co-Gen Generator Replacement, 2a) Co-Gen Biogas Treatment Facilities, and 2b) Co-Gen Restroom and Building Rehab.	2.19(1) Project completed on January 27, 2016. 2.19(2a) Project paused at testing/commissioning stage due to lack of bio gas availability from Digester Clusters. EPA and FDEP notified of the delay on January 10, 2020 and May 21, 2020. 2.19(2b) Project completed on May 18, 2020.	2.19(1) N/A 2.19(2a) Testing and Commissioning to resume pending bio gas availability. 2.19(2b) N/A
2.20	Septage Uploading	The CDWWTP Septage Unloading project is required under Paragraph 19(i) and Appendix D. The CD scope of this project included the construction of a new septage handling station to remove FOG from the main wastewater treatment stream and treat either through digestion or an off-site third part facility. However, the violation associated with this project was resolved by requiring all hauled waste to be sent to the South District WWTP as of January 2013.	Motion to delete Project 2.20 Septage Uploading at CD WWTP has been approved by the Court on December 28, 2016.	N/A
2.21	Pump Station 1	The CDWWTP Pump Station No. 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the pump station for the odor control system and rehabilitate the bar screen mechanisms.	Construction was completed on December 19, 2019, ahead of the CD compliance date of February 26, 2021.	N/A
2.22	Pump Station 2	The CDWWTP Pump Station No. 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the pump station odor control system, rehabilitation of bar screen mechanism, and replacement pump stations flow metering to improve maintenance accessibility.	Construction continued.	Construction will be completed.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.23	O ₂ Plant Process Controls Phase 2	The CDWWTP O ₂ Plant Process Controls project is being performed pursuant to Paragraph 19(i) and Appendix D. Existing oxygen production systems are either failing or obsolete. The purpose of this project is to replace existing oxygen production systems.	Construction was completed on April 25, 2016, ahead of the CD compliance date March 9, 2017.	N/A
2.24	Gas Monitoring	The CDWWTP Gas Monitoring project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to monitor gas levels and place alarms in hazardous areas.	Construction was completed on September 29, 2017.	N/A
2.25	Ventilation Improvements	The CDWWTP Ventilation Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to improve ventilation in hazardous areas. This project schedule has been broken down into multiple components to more accurately reflect the way the work is being executed: 1) HVAC Improvements for air scrubber (Project 2.12, 2.13 and 2.16) 2) Headworks HVAC Improvements (Project 2.3/2.4). 3) Digester Control Building HVAC Improvements (Project 2.15(1)). 4) Pump Station 1 HVAC Improvements (Project 2.21). 5) Pumps Station 2 HVAC Improvements (Project 2.22).	2.25(1) Procurement continued. 2.25(2) Construction was completed. 2.25(3) Construction completed. 2.25(4) Construction was completed. 2.25(5) Construction completed.	2.25(1) Design-Build construction will continue. 2.25(2) N/A 2.25(3) N/A 2.25(4) N/A 2.25(5) Construction will continue.
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 WASD in-house 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 two (2) "child" projects: 1) Oxygen Production Site Preparation, and 2) Oxygen Production Design-Build.	2.27(1) Oxygen Production Site Preparation was completed on June 29, 2017. 2.27(2) Design-Build completed.	2.27(1) N/A 2.27(2) N/A
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 (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
3.1	Headworks and Sludge Degritting Transfer	The NDWWTP Headworks and Sludge Degritting and Transfer project is being performed pursuant to Paragraph 19(i) and Appendix D. This project is a two-phase approach to improve the existing screening facilities at the NDWWTP. In Phase 1, bar screens are replaced with perforated plate screens and Phase 2 involves the upgrade of the pretreatment buildings for fire code compliance and replacement of primary sludge grit separation equipment.	Construction was completed on December 6, 2017, ahead of the CD compliance date of April 7, 2018.	N/A
3.2	Primary Clarifiers and Odor Control	The NDWWTP Primary Clarifiers and Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structures of the primary clarifiers, replacement of the mechanisms, installation of new flat type covers at each clarifier. It also involves the rehabilitation of the mechanical and odor control systems at the plant. This project was split into 2 child projects: 1) Replace Primary Clarifiers for Mechanisms #4 & 6, and 2) Primary Clarifiers and Odor Control (Remaining Scope of Work).	3.2(1) Construction was completed on February 20, 2019. 3.2(2) Construction continued.	3.2(1) N/A 3.2(2) Construction will continue.
3.3	Oxygenation Trains	The NDWWTP Oxygenation Trains project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structures of the aeration tanks and its mechanical and electrical systems.	Project is being procured as Design-Build along with CD 3.4. Procurement continued.	Procurement will be completed and Design/Build 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.	Project is being procured as Design-Build along with CD 3.3. Procurement continued.	Procurement will be completed and Design/Build will commence.
3.5	Secondary Clarifiers	The NDWWTP Secondary Clarifiers project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the secondary clarifiers and its mechanical and electrical systems. This project was split into 2 child projects: 3.5(1) Replace Mechanisms # 1-10; and 3.5(2) Secondary Clarifiers Remaining Scope of Work.	3.5(1) This child project was completed on March 30, 2017. 3.5(2) Construction continued.	3.5(1) N/A 3.5(2) Construction will continue.
3.6	Disinfection	The NDWWTP Disinfection project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the chlorine gas storage, liquid chlorination and dosing system with bulk sodium hypochlorite storage and dosing system in the existing chlorine building.	Construction was completed on March 5, 2022.	N/A
3.7	Effluent Disposal	The NDWWTP Effluent Disposal project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the installation of standby pumps to ensure effluent disposal capacity and the structural rehabilitation of the ocean outfall pump station wet well. All of the 3.07 work has been combined into a single project. The Deep Injection Well (DIW) mechanical and electrical equipment is being managed by WASD Plant Staff. The CD scope is limited to pumps 5-6, where pumps 1-4 will be funded through the overall WASD CIP.	The Ocean Outfall Pump Station rehabilitation was completed in March 2015. Construction of DIW Pump Station was completed on June 29, 2018.	N/A

Table A-3.3 North District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
3.8	Plant Wide Electrical	<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 Projects 3.3 & 3.4. 4) Electrical Feeders 9-10 & 13-14 Feeders 11 & 12 were completed due to recent upgrades performed on the deep injection well pump motors. 	<p>3.8(1) General Electrical In-house construction (Feeders 1-2) was completed on January 15, 2016.</p> <p>3.8(2) Electrical Feeders 3-6 (Project 3.1) was completed on December 6, 2017.</p> <p>3.8(3) Electrical Feeders 7-8 designed continued (scope considered under CD 3.3 and CD 3.4)</p> <p>3.8(4) Procurement completed, NTP issued on September 21, 2020. Construction completed.</p>	N/A
3.9	Flood Mitigation	<p>The NDWWTP Flood Mitigation project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to mitigate the flood potential in the Generator and Electrical Building at the NDWWTP.</p>	<p>This project was completed on June 24, 2016, ahead of the CD compliance date of August 13, 2017.</p>	N/A
3.10	Yard Piping Replacement	<p>The NDWWTP Yard Piping Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the wastewater piping that interconnects unit processes throughout the plant.</p>	<p>This project was completed on May 24, 2016, ahead of the CD compliance date of December 4, 2021.</p>	N/A
3.11	SCADA RTU Upgrades	<p>The NDWWTP SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units to maintain operational sustainability.</p>	<p>This project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.</p>	N/A

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
4.1	Collection System I/I Repairs	The Collection System I/I Repairs project is being performed in accordance with Paragraph 19(i) and Appendix D of the CD. The project targets defective gravity sewers with excessive inflow/infiltration. It involves rehabilitation of the Collection System, i.e. dig & replace mainlines and laterals, manhole replacement, cured-in-place liners and sectional liners and will be performed concurrently with other work.	Work on this project is ongoing.	Work on this project will continue.
4.2	Government Cut FM Phase 1 & 2	The Government Cut Force Main (FM) Phases 1 & 2 project was performed in accordance with Paragraph 19(i) and Appendix D. The purpose of this two-phase project is to replace critically damaged sections of 54-inch force main to avert catastrophic failures in Government Cut. This project involved the replacement of 54 inch FM with 60 inch FM from the water shaft in Government Cut to mainland Miami Beach.	Project was completed on the CD compliance date of September 30, 2013.	N/A
4.3	Government Cut FM Phase 3	The Government Cut FM Phases 3 project is being performed in accordance with Paragraph 19(i) and Appendix D. The Government Cut FM Phase 3 (Norris Cut Utility Relocation Project) is comprised of the following; the existing 54" force main underneath Norris Cut between Fisher Island and the Central District Wastewater Treatment Plant (CDWWTP), on Virginia Key, will be replaced with a new 60" force main lowered to elevation minus (-) 67.50 feet mean sea level. A new 8" force main will be constructed from Pump Station 170, on Fisher Island, connecting to the new 60" force main near the tunnel receiving shaft. The 60" pipeline alignment will be constructed via segmental tunnel trenchless technology, and open cut trenching method. The 8" pipeline alignment will be constructed via horizontal directional drilling (HDD) trenchless methodology.	Project was completed on November 23, 2016, ahead of the CD compliance date of April 8, 2017.	N/A
4.4	North Dade 72 inch PCCP FM Rehabilitation	This North Dade Force Main Rehabilitation project is being performed in accordance with Paragraph 19(i) and Appendix D. The project replaces a damaged section of 72-inch force main that has experienced catastrophic failure. The rehabilitation involves 3.5 miles of 72 inch PCCP FM located between NW 17 Avenue and NE 10 Avenue in North Dade.	Construction was completed on May 5, 2016, ahead of the CD compliance date of March 5, 2018.	N/A
4.5	South Dade 54 inch PCCP FM Rehabilitation	This South Dade Force Main Rehabilitation project is being performed in accordance with Paragraph 19(i) and Appendix D. The project involves the rehabilitation of 2.5 miles of 54 inch PCCP FM from SW 112 Avenue and SW 280 Street to SW 107 Avenue and SW 248 Street in South Dade. It replaces sections of the 54-inch force main that has critically damaged pipe segments.	Project was completed on September 14, 2018, ahead of the CD compliance date of December 23, 2018.	N/A
4.6	Replacement of Tamiami Canal Aerial Crossing FMs at NW 37th Avenue	This Tamiami Force Main Replacement project is being performed in accordance with Paragraph 19(i) and Appendix D. This project replaces corroded twin 24 inch FM's crossing the Tamiami Canal at NW 37 Avenue, just south of NW 21 Street in the Tamiami area. The twin 24-inch force mains have experienced failures and are in need of replacement.	Construction was completed on May 27, 2014, ahead of the CD compliance date of October 29, 2016.	N/A

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
4.7	Rehabilitation of 18 DIP FM in Miami Lakes	This Miami Lakes Force Main Replacement project is being replaced in accordance with Paragraph 19(i) and Appendix D. The purpose of this project is to replace severely corroded 18 inch pipe that has had multiple failures. It replaces one mile of 18 inch DIP FM located at NW 60 Avenue and NW 138 Street.	Construction was completed on December 7, 2015, ahead of the CD compliance date of April 9, 2017.	N/A
4.8	Rehabilitation of 54 inch PCCP FM in the City of Miami	This City of Miami Force Main Rehabilitation project is being performed pursuant to Paragraph 19(i) and Appendix D. A section of 54 inch force main in the City of Miami is deteriorated and has experienced failures. The project involves the rehabilitation of 2 miles of 54 inch PCCP FM by cured-in-place liner located on NW 2 Street between NW 67 Avenue and NW 37 Avenue in the City of Miami.	Construction of CD CIP 4.8 was completed on June 16, 2017.	N/A
4.9	Replace Approximately 30 miles of AC FM Transmission System	This Force Main Transmission System Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace asbestos cement force mains that have experienced failures and are difficult to locate in the field. This includes approximately 30 miles of AC FM transmission system. This project has been divided into multiple sub/child projects. See individual status of each project in Table A-4.2.	Design, permitting, procurement and construction were completed. See individual status of each project in Table A-4.2.	N/A
4.10	Opa-Locka Airport FM Replacement	The Opa-Locka Airport PCCP Force Main Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of 2.5 miles of 48 inch PCCP force main running along the Biscayne Canal between NW 57th Avenue & NW 32nd Avenue. The length has been determined to have approximately one quarter of its line segments distressed based on in-situ condition assessments. This project has been split into four (4) child/sub projects. 1) Includes rehab of an existing 48" FM east of the Opa-Locka Airport. 2) Includes two (2) miles of open cut 54" DIP FM pipe along airport.	4.10(1) Construction was completed on October 27, 2017. 4.10(2) Construction was completed on May 11, 2018.	N/A

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

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

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

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

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

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

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

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

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

Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
66	8	PS 1002	SW 152 & SW 304 St.	This project was complete on June 5, 2020.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.1	Upgrade of PS No. 0418	The Upgrade of PS No. 0418 project is being performed pursuant to Paragraph 19(i) and Appendix D. The station has reached the end of its useful life and a booster station is needed to relieve pressures in the Doral area. The purpose of this project is to convert PS No. 0418 into a booster type station.	Construction completion was achieved on November 8, 2019.	N/A
5.2	Decommissioning of PS No. 0691	The Upgrade of PS No. 0691 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and capacity increase is required to handle increased Homestead flows. This project involves the replacement of pumping and electrical equipment in PS No. 0691. In February 2016, the County transmitted a request for modification to EPA and FDEP. The County requested to modify the scope of work to include completion of Homestead Pump Station No.1 and decommissioning of PS 0691 in lieu of upgrading PS No. 0691. EPA and FDEP approved the request for modification in April 2016.	PS No. 0691 was decommissioned on November 8, 2019.	N/A
5.3	Upgrade of PS No. 0692	The Upgrade of PS No. 0692 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and capacity increase is required to handle increased Homestead flows. This project involves the replacement of pumping and electrical equipment in PS No. 0692.	The County notified EPA and FDEP on May 5, 2020 and on June 16, 2020 of Delay, Force Majeure, and Failure to Meet the Compliance Date. Construction completed November 17, 2020.	N/A
5.4	Replacement of Switchgear PS No. 0414	The Replacement of Switchgear PS No. 0414 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a booster station is needed to relieve the pressures and reroute flow away from PS No. 1310 and PS No. 0300. The purpose of this project is to convert PS No. 0414 into a booster type station and rehabilitate and replace the entire facility equipment (pumps, motors, electrical equipment, HVAC, valves, and piping).	Construction was completed on June 11, 2019, ahead of the CD compliance date of June 15, 2019.	N/A
5.5	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0415.	Construction completion was achieved on November 13, 2019.	N/A
5.6	Replacement of Switchgear PS No. 0416	The Replacement of Switchgear PS No. 0416 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life. This project involves the replacement of electrical switchgear in PS No. 0416.	Construction was completed on June 11, 2019, ahead of the CD compliance date of June 13, 2019.	N/A
5.7	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0417.	Construction completed July 1, 2020.	N/A
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 (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) 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 No. 0301. Phase 2 will include the construction of a new submersible pump station.	Construction was completed on January 25, 2022.	Construction completed on January 25, 2022. An electronically Potential Delay Notification was submitted on January 13, 2022 and the Force Majeure Delay Notification Letter was submitted on January 27, 2022.
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 No. 0559 and PS No. 0536. The purpose of this project was originally to install a 60 inch FM from Kendall Dr. to PS No. 0536 to eliminate the 42 inch reduction in the 60 inch FM. System reviews and analysis has determined that the installation of a 48 inch cross connection between the existing 72 inch effluent FM to an existing 48 inch force main will accomplish the desired reduction in pressure differential.	Construction was completed on February 13, 2019, ahead of CD compliance date of May 18, 2019.	N/A
5.12	Replacement of Switchgear PS No. 0187	The Replacement of Switchgear PS No. 0187 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing PS equipment is beyond its useful life and parts are not readily available. This project involves the demolition of the four (4) existing 450 hp pumps (3 two-speed, and 1 with Anvic Drive) and the installation of four (4) new 450 hp pumps and motors, with new VFDs, replacement of electrical switchgear, HVAC and lighting upgrades, expansion of Electrical Room, generator upgrades, and replacement of plug valves and control valves.	Construction was completed on March 25, 2019, ahead of the CD compliance date of March 26, 2019.	N/A
5.13	Refurbish Emergency Generators and Controls at Regional PSs	The Refurbish Emergency Generators and Controls at regional PSs project is being performed pursuant to Paragraph 19(i) and Appendix D. The emergency backup generators are unreliable due to the age of the controllers and the condition of the wiring on the engines. The purpose of this project is to refurbish emergency generators and controls at regional PSs.	Construction was completed on February 4, 2016, ahead of the CD compliance date of July 20, 2016.	N/A
5.14	Upgrade of PSs Nos. 0086 and 0492	The Upgrade of PSs No. 0086 and 0492 project was performed and completed pursuant to Paragraph 19(i) and Appendix D. The project was designed to increase reliability and extend the service life of the pump station. The pump stations also exceeded the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. For this project, PS No. 0086 was converted to a submersible type pump station with an existing wet well and the electrical controls and instrumentation were upgraded. The electrical controls and instrumentation for PS No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	Construction was completed on July 15, 2013, ahead of the CD compliance date of December 31, 2013.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.15	Upgrade of PSs Nos. 0065, 0201, 0334, 0374, 0607	The Upgrade of PSs No. 0065, 0201, 0334, 0374, 0607 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0065 is being upgraded to include new submersible pumps in the existing dry well, installation of larger suction and discharge piping, and an electrical upgrade. The PS No. 0201 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and 48 I/I repairs for a flow of 176 gpm. The PS No. 0334 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 2,200 L.F. of new 8 inch FM. The PS No. 0374 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the installation of 320 L.F. of new 8 inch FM. The PS No. 0607 project involves the conversion to a new submersible type pump station and an electrical upgrade.	This project was completed on December 30, 2015, ahead of the CD compliance date December 31, 2015.	N/A
5.16	Upgrade of PSs Nos.0198, 0437, 0466, 0680	The Upgrade of PSs No. 0198, 0437, 0466, 0680 project is being performed pursuant to Paragraph 19(i) and Appendix D. These pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0198 is being upgraded to include new submersible pumps in a new triplex wet well, an electrical upgrade and flow isolation. PS No. 0437 is being upgraded to include new dry pit submersible pumps, replacement of roughly 100 linear feet of 10" force main to the street connection, and electrical upgrades. PS#0466 is being upgraded to include refurbishment of the existing wet well and repairs to pipes and valves. PS No. 0680 is being upgraded to include new submersible pumps, new valve box, electrical upgrades and a new generator with sub-base tank. This project has been divided into four (4) child projects. With the following current statuses: 1) Pump Station No. 0198 Compliance Project. The CD Compliance deadline of December 31, 2016 was not achieved. The PMCM and WASD are working with the Contractor to try and complete the remaining work. 2) Pump Station No. 0437 Upgrade. 3) Pump Station No. 0466 Compliance Project. 4) Pump Station No. 0680 Upgrade.	This project was completed on January 24, 2018.	N/A
5.17	Upgrade of PSs Nos. 0037, 0351, 0370, 0403	The Upgrade of PSs No. 0037, 0351, 0370, 0403 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0037 project involves the conversion to a new submersible type pump station and an electrical upgrade. The PS No. 0351 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the replacement of 360 L.F. of 4 inch with 8 inch FM. The PS No. 0370 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 760 L.F. of new 8 inch FM. The PS No. 0403 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of an on-site generator. This project is split into four (4) different sub/child projects (one per pump station). 5.17(1) Pump Station 0037 Compliance Project 5.17(2) Pump Station No. 0351 Upgrade 5.17(3) Pump Station No. 0370 Upgrade and Installation of FM 5.17(4) Pump Station 0403 Upgrade	This project was completed on April 30, 2018, ahead of CD compliance date of November 20, 2018. 5.17(1) PS No. 0037: Construction was completed on November 14, 2017. 5.17(2) PS No. 0351: Construction was completed on December 1, 2017. 5.17(3) PS No. 0370: Construction was completed on January 11, 2018. 5.17(4) PS No. 0403: Construction was completed on April 30, 2018.	N/A

Table A-5.1 Sewer Pump Station Systems


Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.18	Upgrade of PSs Nos. 0441, 0491, 0710, 0827, 0852, 1236	<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) Construction was completed on August 14, 2019. 5.18(2) Construction was completed on November 15, 2019. 5.18(3) Construction was completed on August 14, 2019. 5.18(4) Construction was completed on November 18, 2019. 5.18(5) Construction was completed on July 26, 2019. 5.18(6) Construction was completed on May 1, 2017.</p>	N/A
5.19	SCADA RTU Upgrades	<p>The SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units for 635 pump stations to maintain operational sustainability.</p>	<p>Construction was completed on November 23, 2015 ahead of the CD compliance date March 18, 2016.</p>	N/A

Appendix B Project Schedules Gantt Chart

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024				2025		2026	
					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 2022 Update																																		
0. General Compliance Activities																																		
Program Milestones																																		
General Compliance Activity																																		
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																																		
Quarterly Reports																																		
General Compliance Activity																																		
PM10020	2014 Quarterly Report No 1	25	31-Mar-14 A	24-Apr-14 A																														
PM10030	2014 Quarterly Report No 2	29	30-Jun-14 A	28-Jul-14 A																														
PM10050	2014 Quarterly Report No 3	31	30-Sep-14 A	30-Oct-14 A																														
PM10060	2014 Quarterly Report No 4	31	31-Dec-14 A	30-Jan-15 A																														
PM10090	2015 Quarterly Report No 1	32	31-Mar-15 A	01-May-15 A																														
PM10100	2015 Quarterly Report No 2	31	30-Jun-15 A	30-Jul-15 A																														
PM10120	2015 Quarterly Report No 3	31	30-Sep-15 A	30-Oct-15 A																														
PM10130	2015 Quarterly Report No 4	29	31-Dec-15 A	28-Jan-16 A																														
PM50020	2016 Quarterly Report No 1	33	31-Mar-16 A	02-May-16 A																														
PM50030	2016 Quarterly Report No 2	33	30-Jun-16 A	01-Aug-16 A																														
PM50040	2016 Quarterly Report No 3	32	30-Sep-16 A	31-Oct-16 A																														
PM50050	2016 Quarterly Report No 4	32	31-Dec-16 A	31-Jan-17 A																														
PM50220	2017 Quarterly Report No 1	32	31-Mar-17 A	01-May-17 A																														
PM50230	2017 Quarterly Report No 2	93	30-Jun-17 A	31-Jul-17 A																														
PM50240	2017 Quarterly Report No 3	31	30-Sep-17 A	30-Oct-17 A																														
PM50250	2017 Quarterly Report No 4	32	31-Dec-17 A	30-Jan-18 A																														
PM50260	2018 Quarterly Report No 1	31	31-Mar-18 A	30-Apr-18 A																														
PM50270	2018 Quarterly Report No 2	31	30-Jun-18 A	26-Jul-18 A																														
PM50280	2018 Quarterly Report No 3	31	30-Sep-18 A	30-Oct-18 A																														
PM50290	2018 Quarterly Report No 4	32	31-Dec-18 A	29-Jan-19 A																														
PM50580	2019 Quarterly Report No 1	32	31-Mar-19 A	29-Apr-19 A																														
PM50590	2019 Quarterly Report No 2	31	30-Jun-19 A	30-Jul-19 A																														
PM50600	2019 Quarterly Report No 3	31	30-Sep-19 A	30-Oct-19 A																														
PM50610	2019 Quarterly Report No 4	31	31-Dec-19 A	31-Jan-20 A																														
PM50650	2020 Quarterly Report No 1	32	31-Mar-20 A	30-Apr-20 A																														
PM50660	2020 Quarterly Report No 2	31	30-Jun-20 A	30-Jul-20 A																														
PM50670	2020 Quarterly Report No 3	31	30-Sep-20 A	30-Oct-20 A																														
PM50680	2020 Quarterly Report No 4	33	31-Dec-20 A	27-Jan-21 A																														
PM50720	2021 Quarterly Report No 1	31	31-Mar-21 A	30-Apr-21 A																														
PM50730	2021 Quarterly Report No 2	31	01-Jul-21 A	30-Jul-21 A																														
PM50740	2021 Quarterly Report No 3	31	30-Sep-21 A	02-Nov-21 A																														
PM50750	2021 Quarterly Report No 4	32	31-Dec-21 A	31-Jan-22 A																														
PM50790	2022 Quarterly Report No 1	31	31-Mar-22 A	02-May-22 A																														
PM50800	2022 Quarterly Report No 2	31	30-Jun-22*	30-Jul-22																														
PM50810	2022 Quarterly Report No 3	31	30-Sep-22*	30-Oct-22																														
PM50820	2022 Quarterly Report No 4	31	31-Dec-22*	30-Jan-23																														
PM50830	2023 Quarterly Report No 1	31	31-Mar-23*	30-Apr-23																														
PM50840	2023 Quarterly Report No 2	31	30-Jun-23*	30-Jul-23																														
PM50850	2023 Quarterly Report No 3	31	30-Sep-23*	30-Oct-23																														
PM50860	2023 Quarterly Report No 4	31	31-Dec-23*	30-Jan-24																														
Semi Annual Reports																																		
General Compliance Activity																																		
PM10040	2014 Semi Annual Report No 1	31	30-Jun-14 A	30-Jul-14 A																														
PM10070	2014 Semi Annual Report No 2	34	31-Dec-14 A	02-Feb-15 A																														
PM10110	2015 Semi Annual Report No 1	31	30-Jun-15 A	30-Jul-15 A																														
PM10150	2015 Semi Annual Report No 2	32	31-Dec-15 A	01-Feb-16 A																														
PM50060	2016 Semi Annual Report No 1	33	30-Jun-16 A	01-Aug-16 A																														
PM50070	2016 Semi Annual Report No 2	32	31-Dec-16 A	31-Jan-17 A																														
PM50300	2017 Semi Annual Report No 1	93	30-Jun-17 A	31-Jul-17 A																														
PM50310	2017 Semi Annual Report No 2	32	31-Dec-17 A	31-Jan-18 A																														
PM50320	2018 Semi Annual Report No 1	32	30-Jun-18 A	30-Jul-18 A																														
PM50330	2018 Semi Annual Report No 2	32	31-Dec-18 A	31-Jan-19 A																														
PM50620	2019 Semi Annual Report No 1	31	30-Jun-19 A	30-Jul-19 A																														
PM50630	2019 Semi Annual Report No 2	32	31-Dec-19 A	31-Jan-20 A																														

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MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE

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

Date	Revision	Checked	Appro...
14-Jul-14	Revision 0	GSR	DH
15-Apr-22	March 2022 Update		
16-May-22	April 2022 Update		
15-Jun-22	May 2022 Update		
15-Jul-22	June 2022 Update		

Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025		2026	
					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	Q1	Q2
PM50690	2020 Semi Annual Report No 1	31	30-Jun-20 A	30-Jul-20 A																																
PM50700	2020 Semi Annual Report No 2	33	31-Dec-20 A	26-Jan-21 A																																
PM50760	2021 Semi Annual Report No 1	31	01-Jul-21 A	30-Jul-21 A																																
PM50770	2021 Semi Annual Report No 2	0	31-Dec-21 A	31-Jan-22 A																																
PM50870	2022 Semi Annual Report No 1	31	30-Jun-22*	30-Jul-22																																
PM50880	2022 Semi Annual Report No 2	31	31-Dec-22*	30-Jan-23																																
PM50890	2023 Semi Annual Report No 1	31	30-Jun-23*	30-Jul-23																																
PM50900	2023 Semi Annual Report No 2	31	31-Dec-23*	30-Jan-24																																
Annual Report		3347	31-Dec-14 A	28-Feb-24																																
General Compliance Activity		3347	31-Dec-14 A	28-Feb-24																																
PM10080	2014 Annual Report	62	31-Dec-14 A	02-Mar-15 A																																
PM10140	2015 Annual Report	62	31-Dec-15 A	01-Mar-16 A																																
PM50080	2016 Annual Report	62	30-Dec-16 A	01-Mar-17 A																																
PM50340	2017 Annual Report	61	31-Dec-17 A	01-Mar-18 A																																
PM50350	2018 Annual Report	61	31-Dec-18 A	01-Mar-19 A																																
PM50640	2019 Annual Report	63	31-Dec-19 A	02-Mar-20 A																																
PM50710	2020 Annual Report	62	31-Dec-20 A	01-Mar-21 A																																
PM50780	2021 Annual Report	61	31-Dec-21 A	01-Mar-22 A																																
PM50910	2022 Annual Report	60	31-Dec-22*	28-Feb-23																																
PM50920	2023 Annual Report	60	31-Dec-23*	28-Feb-24																																
Program Management/Construction Management Support		3549	06-Jun-14 A	23-Apr-24																																
General Compliance Activity		3549	06-Jun-14 A	23-Apr-24																																
PM50000	Program Management/Construction Management	3549	06-Jun-14 A	23-Apr-24																																
1. South District WWTP		4381	14-Aug-09 A	16-Nov-25																																
1.01 Headworks		1853	14-Aug-09 A	15-Apr-20 A																																
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																																
SD10120	Permitting - SD Headworks	26	02-Feb-15 A	27-Feb-15 A																																
SD42930	EPA Start Date for Permitting - SD Headworks	0	27-Apr-16 A																																	
SD41920	EPA Compliance Date for Permitting - SD Headworks	0		26-Apr-17 A																																
Procurement		1727	02-Feb-15 A	15-Oct-19 A																																
SD42940	EPA Start Date for Procurement - SD Headworks	0	27-Apr-17 A																																	
SD41960	EPA Compliance Date for Procurement - SD Headworks*	0		26-Apr-18 A																																
SD45400	Procurement Grit #1 (Screen #3) - SD Headworks	21	01-Jan-19 A	06-Jun-19 A																																
SD45440	Procurement Grit #2 (Screen #1) - SD Headworks	16	13-Aug-19 A	19-Sep-19 A																																
SD10220	Procurement - SD Headworks	1180	02-Feb-15 A	15-Oct-19 A																																
SD45450	Procurement Grit #2 (Screen #3) - SD Headworks	26	20-Sep-19 A	15-Oct-19 A																																
Construction		1803	14-Aug-09 A	15-Apr-20 A																																
SD44340	Rehab Grit #2 (Screen #2) - SD Headworks	90	07-Dec-11 A	07-May-12 A																																
SD41380	Rehab Grit #1 (Screen #1) - SD Headworks	62	15-Jun-12 A	19-Oct-12 A																																
SD41310	Rehab Grit #1 (Screen #4) - SD Headworks	90	14-Aug-09 A	16-Apr-15 A																																
SD44360	Rehab Grit #2 (Screen #4) - SD Headworks	90	12-Nov-13 A	16-Apr-15 A																																
SD41510	Rehab Grit #1 (Screens #2) - SD Headworks	358	22-Oct-12 A	23-Oct-15 A																																
SD42950	EPA Start Date for Construction - SD Headworks	0	27-Apr-18 A																																	
SD41370	Rehab Grit #2 (Screen #1) - SD Headworks	26	20-Sep-19 A	15-Oct-19 A																																
SD44350	Rehab Grit #2 (Screen #3) - SD Headworks	32	16-Oct-19 A	29-Oct-19 A																																
SD10300	Construction - SD Headworks	1698	14-Aug-09 A	06-Nov-19 A																																
SD41320	Rehab Grit #1 (Screen #3) - SD Headworks	16	28-Oct-19 A	06-Nov-19 A																																
SD10460	Substantial Completion (CD Compliance Date 2/23/20) - SD Headworks	0		06-Nov-19 A																																
SD41970	EPA Compliance Date for Construction - SD Headworks	0		23-Feb-20 A																																
SD40000	Project Closeout - SD Headworks	90	06-Nov-19 A	15-Apr-20 A																																
Project Administration		1838	02-Feb-15 A	17-Dec-19 A																																
SD35000	WASD Project Administration - SD Headworks	1838	02-Feb-15 A	17-Dec-19 A																																
1.02 Oxygen Production		3140	17-Nov-14 A	22-Jun-23																																
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																																
SD42420	Negotiations for ESDC & Stormwater Permit - SD Oxygen Production	497	14-Jul-15 A	21-Nov-16 A																																
SD44370	Allowance Request Proposal for Re-Bid - SD Oxygen Production	22	26-Oct-17 A	08-Jan-18 A																																
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																																	
SD20180	Basis of Design Report (BODR) - SD Oxygen Production	100	03-Apr-15 A	11-Jul-15 A																																
SD20190	BODR Review Period - SD Oxygen Production	14	12-Jul-15 A	25-Jul-15 A																																
SD20200	30% Design Submittal - SD Oxygen Production	16	26-Jul-15 A	10-Aug-15 A																																
SD20210	30% Design Review - SD Oxygen Production	7	11-Aug-15 A	17-Aug-15 A																																
SD20220	60% Design Submittal - SD Oxygen Production	49	18-Aug-15 A	05-Oct-15 A																																
SD30990	Develop Equipment Pre-Purchase Package - SD Oxygen Production	7	29-Sep-15 A	05-Oct-15 A																																
SD20230	60% Design Review - SD Oxygen Production	9	05-Oct-15 A	13-Oct-15 A																																
SD20240	100% Design Submittal - SD Oxygen Production	55	14-Oct-15 A	07-Dec-15 A																																
SD10050	Engineering Design - SD Oxygen Production	311	03-Apr-15 A	07-Feb-16 A																																
SD40120	100% Design Review/Permit Ready Submittal - SD Oxygen Production	62	08-Dec-15 A	07-Feb-16 A																																
SD41980	EPA Compliance Date for Engineering Design - SD Oxygen Production	0		29-May-16 A																																

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Permitting					Permitting																							
SD42970	EPA Start Date for Permitting - SD Oxygen Production	466	08-Feb-16 A	19-May-17 A	Permitting																							
SD10090	Permitting - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	Permitting																							
SD41810	RER Derm Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	Permitting																							
SD42890	Building Dept. Permit - SD Oxygen Production	429	08-Feb-16 A	11-Apr-17 A	Permitting																							
SD41820	Stormwater Permit - SD Oxygen Production	141	22-Nov-16 A	11-Apr-17 A	Permitting																							
SD41990	EPA Compliance Date for Permitting - SD Oxygen Production	0		19-May-17 A	Permitting																							
Procurement					Procurement																							
SD41250	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production	298	15-Aug-15 A	13-Oct-20 A	Procurement																							
SD42980	EPA Start Date for Procurement - SD Oxygen Production	0	26-Nov-16 A	10-Dec-15 A	Procurement																							
SD30140	Design Documents sent to Procurement - SD Oxygen Production	0	28-Nov-16 A		Procurement																							
SD31160	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production	146	09-Sep-16 A	01-Feb-17 A	Procurement																							
SD31170	Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production	0	02-Feb-17 A		Procurement																							
SD30150	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production	86	28-Nov-16 A	21-Feb-17 A	Procurement																							
SD30160	Advertise Bid Packages - SD Oxygen Production	0	22-Feb-17 A		Procurement																							
SD30170	Bid Solicitation Period - SD Oxygen Production	105	22-Feb-17 A	06-Jun-17 A	Procurement																							
SD30180	Bids Due - SD Oxygen Production	0	07-Jun-17 A		Procurement																							
SD31180	Vendor Bid & Award (Air Compressors) - SD Oxygen Production	174	02-Feb-17 A	25-Jul-17 A	Procurement																							
SD31190	Vendor NTP (Air Compressors) - SD Oxygen Production	0	26-Jul-17 A		Procurement																							
SD42000	EPA Compliance Date for Procurement - SD Oxygen Production	0		30-Sep-17 A	Procurement																							
SD30190	Bid Review Period - SD Oxygen Production	180	07-Jun-17 A	27-Nov-17 A	Procurement																							
SD44380	Bids Rejected - SD Oxygen Production	0		27-Nov-17 A	Procurement																							
SD44500	RTA Approval for Revised Packages - SD Oxygen Production	30	12-Mar-18 A	23-Mar-18 A	Procurement																							
SD44280	Revise Bid Packages - SD Oxygen Production	30	08-Jan-18 A	04-Apr-18 A	Procurement																							
SD44610	Submit/Approve SBD Goals for Revised Packages - SD Oxygen Production	4	05-Apr-18 A	08-Apr-18 A	Procurement																							
SD44290	Re-Advertise Bid Packages - SD Oxygen Production	0	09-Apr-18 A		Procurement																							
SD44300	Bid Solicitation Period for Revised Packages - SD Oxygen Production	90	09-Apr-18 A	20-Jun-18 A	Procurement																							
SD44310	Bids Due for Revised Packages - SD Oxygen Production	0	21-Jun-18 A		Procurement																							
SD44320	Bid Review Period for Revised Packages - SD Oxygen Production	30	21-Jun-18 A	30-Aug-18 A	Procurement																							
SD30200	Award Recommendation - SD Oxygen Production	0	31-Aug-18 A		Procurement																							
SD10160	Procurement - SD Oxygen Production	448	28-Nov-16 A	26-Oct-18 A	Procurement																							
SD30210	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Oxygen Production	28	31-Aug-18 A	26-Oct-18 A	Procurement																							
SD41280	Vendor Bid & Award (Control Panels) - SD Oxygen Production	120	11-Dec-15 A	21-May-19 A	Procurement																							
SD41290	Vendor NTP (Control Panels) - SD Oxygen Production	0	22-May-19 A		Procurement																							
SD41260	Pre-Purchase Control Panels (Summary) - SD Oxygen Production	640	15-Aug-15 A	24-Jan-20 A	Procurement																							
SD41300	Fabricate & Deliver Control Panels - SD Oxygen Production	255	22-May-19 A	24-Jan-20 A	Procurement																							
SD30000	Pre-Purchase Air Compressors (Summary) - SD Oxygen Production	1006	09-Sep-16 A	13-Oct-20 A	Procurement																							
SD31200	Fabricate & Deliver Air Compressor No. 4 - SD Oxygen Production	433	26-Jul-17 A	13-Oct-20 A	Procurement																							
Construction					Construction																							
SD41590	Install New Oil/Water Separator (WASD)	2628	12-Apr-16 A	22-Jun-23	Construction																							
SD42990	EPA Start Date for Construction - SD Oxygen Production	43	12-Apr-16 A	24-May-16 A	Construction																							
SD30220	Contractor NTP - SD Oxygen Production	0	07-Jan-19 A		Construction																							
SD41830	Install Instrumentation and Controls	12	15-Nov-20 A	11-Dec-20 A	Construction																							
SD41530	Construct New Electrical Building	412	07-Jan-19 A	15-Apr-21 A	Construction																							
SD41540	Install & Test Compressor No. 4 - SD Oxygen Production	90	14-Oct-20 A	28-Nov-21 A	Construction																							
SD45610	Stop Work Order Issued for Compressor No. 3 - SD Oxygen Production	0	11-Feb-22 A		Construction																							
SD42010	EPA Compliance Date for Construction - SD Oxygen Production	0		25-Feb-22 A	Construction																							
SD41570	Disassemble, Ship, Refurbish and Return Compressor No. 3 - SD Oxygen Production	150	29-Nov-21 A	01-Aug-22	Construction																							
SD10260	Construction (Consent Decree) - SD Oxygen Production	770	07-Jan-19 A	02-Dec-22	Construction																							
SD41550	Install & Test Compressor No. 3 - SD Oxygen Production	123	02-Aug-22	02-Dec-22	Construction																							
SD10440	Construction Completion Milestone #1 (CD Compliance Date 2/25/22) - SD Oxygen Production	0		02-Dec-22*	Construction																							
SD41560	Decommission Compressors No. 1 and No. 2 - SD Oxygen Production	141	03-Dec-22	22-Apr-23	Construction																							
SD43880	Construction (Non-Consent Decree) - SD Oxygen Production	141	03-Dec-22	22-Apr-23	Construction																							
SD44780	Commissioning - SD Oxygen Production	30	24-Mar-23	22-Apr-23	Construction																							
SD43890	Substantial Completion (Non-Consent Decree) - SD Oxygen Production	0		22-Apr-23	Construction																							
SD40010	Project Closeout - SD Oxygen Production	61	23-Apr-23	22-Jun-23*	Construction																							
Project Administration					Project Administration																							
SD35010	WASD Project Administration - SD Oxygen Production	1953	03-Apr-15 A	22-Jun-23	Project Administration																							
1.03 Oxygenation Trains					1.03 Oxygenation Trains																							
Engineering Design					Engineering Design																							
SD43000	EPA Start Date for Engineering Design - SD Oxygenation Trains	944	15-Feb-17 A	09-Dec-19 A	Engineering Design																							
SD42020	EPA Compliance Date for Engineering Design - SD Oxygenation Trains	0	31-Mar-17 A	30-Sep-19 A	Engineering Design																							
SD10190	Engineering Design - SD Oxygenation Trains	580	15-Feb-17 A	09-Dec-19 A	Engineering Design																							
Permitting					Permitting																							
SD43010	EPA Start Date for Permitting - SD Oxygenation Trains	565	01-Oct-19 A	28-Jul-21 A	Permitting																							
SD42030	EPA Compliance Date for Permitting - SD Oxygenation Trains	0	01-Oct-19 A	31-Mar-20 A	Permitting																							
SD10250	Permitting - SD Oxygenation Trains	186	07-Nov-19 A	28-Jul-21 A	Permitting																							
Procurement					Procurement																							
SD43020	EPA Start Date for Procurement - SD Oxygenation Trains	1160	21-Mar-17 A	01-May-22 A	Procurement																							
SD42040	EPA Compliance Date for Procurement - SD Oxygenation Trains	0	30-Sep-18 A	17-Jul-19 A	Procurement																							
SD10330	Procurement - SD Oxygenation Trains	337	21-Mar-17 A	01-May-22 A	Procurement																							
Construction					Construction																							
SD43030	EPA Start Date for Construction - SD Oxygenation Trains	2301	02-Oct-13 A	16-Nov-25	Construction																							
SD41680	Construction - SD Oxygenation Trains	2018	02-Oct-13 A	14-Apr-25	Construction																							

Activity ID | Activity Name | Original Duration | Start | Finish | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																																	
					2018				2019				2020				2021				2022				2023				2024				2025				2026	
					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				
SD20360	30% Design Submittal - SD Chlorine Building	35	28-Sep-18 A	04-Dec-18 A	30% Design Submittal - SD Chlorine Building																																	
SD20370	30% Design Review - SD Chlorine Building	10	05-Dec-18 A	31-Jan-19 A	30% Design Review - SD Chlorine Building																																	
SD45380	60% Design Submittal / Review - SD Chlorine Building	27	24-Jan-19 A	02-Apr-19 A	60% Design Submittal / Review - SD Chlorine Building																																	
SD42060	EPA Compliance Date for Engineering Design - SD Chlorine Building	0		10-Apr-19 A	EPA Compliance Date for Engineering Design - SD Chlorine Building																																	
SD20400	100% Design Submittal - SD Chlorine Building	30	03-Apr-19 A	20-May-19 A	100% Design Submittal - SD Chlorine Building																																	
SD10350	Engineering Design - SD Chlorine Building	312	17-Jul-18 A	29-Aug-19 A	Engineering Design - SD Chlorine Building																																	
SD40140	100% Design Review/Permit Ready Submittal - SD Chlorine Building	30	21-May-19 A	29-Aug-19 A	100% Design Review/Permit Ready Submittal - SD Chlorine Building																																	
Permitting					Permitting - SD Chlorine Building																																	
SD43050	EPA Start Date for Permitting - SD Chlorine Building	0	11-Apr-19 A		EPA Start Date for Permitting - SD Chlorine Building																																	
SD42070	EPA Compliance Date for Permitting - SD Chlorine Building	0		09-Apr-20 A	EPA Compliance Date for Permitting - SD Chlorine Building																																	
SD10380	Permitting - SD Chlorine Building	180	30-Aug-19 A	28-Jul-20 A	Permitting - SD Chlorine Building																																	
Procurement					Procurement - SD Chlorine Building																																	
SD43430	Internal Bid Package Review - SD Chlorine Building	3	28-Feb-20 A	05-Mar-20 A	Internal Bid Package Review - SD Chlorine Building																																	
SD30490	Design Documents Sent to Procurement - SD Chlorine Building	0	06-Mar-20 A		Design Documents Sent to Procurement - SD Chlorine Building																																	
SD43060	EPA Start Date for Procurement - SD Chlorine Building	0	10-Apr-20 A		EPA Start Date for Procurement - SD Chlorine Building																																	
SD30500	Submit/Approve SBD Goals and Request to Advertise - SD Chlorine Building	60	06-Mar-20 A	20-May-20 A	Submit/Approve SBD Goals and Request to Advertise - SD Chlorine Building																																	
SD30510	Advertise Bid Package - SD Chlorine Building	0	21-May-20 A		Advertise Bid Package - SD Chlorine Building																																	
SD30520	Bid Solicitation Period - SD Chlorine Building	60	21-May-20 A	07-Jul-20 A	Bid Solicitation Period - SD Chlorine Building																																	
SD30530	Bids Due - SD Chlorine Building	0	08-Jul-20 A		Bids Due - SD Chlorine Building																																	
SD30540	Bid Review Period - SD Chlorine Building	42	08-Jul-20 A	03-Sep-20 A	Bid Review Period - SD Chlorine Building																																	
SD30550	Award Recommendation - SD Chlorine Building	0		02-Sep-20 A	Award Recommendation - SD Chlorine Building																																	
SD30560	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Chlorine Building	104	04-Sep-20 A	23-Dec-20 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Chlorine Building																																	
SD10470	Procurement - SD Chlorine Building	270	06-Mar-20 A	23-Dec-20 A	Procurement - SD Chlorine Building																																	
SD42080	EPA Compliance Date for Procurement - SD Chlorine Building	0		09-Apr-21 A	EPA Compliance Date for Procurement - SD Chlorine Building																																	
Construction					Construction - SD Chlorine Building																																	
SD10518	Contractor Notice to Proceed (NTP) - SD Chlorine Building	0	23-Dec-20 A		Contractor Notice to Proceed (NTP) - SD Chlorine Building																																	
SD43070	EPA Start Date for Construction - SD Chlorine Building	0	10-Apr-21 A		EPA Start Date for Construction - SD Chlorine Building																																	
SD44790	Commissioning - SD Chlorine Building	30	31-Dec-21 A	16-Jan-22 A	Commissioning - SD Chlorine Building																																	
SD10520	Construction - SD Chlorine Building	400	23-Dec-20 A	27-Jan-22 A	Construction - SD Chlorine Building																																	
SD10580	Substantial Completion (CD Compliance Date 8/07/23) - SD Chlorine Building	0		27-Jan-22 A	Substantial Completion (CD Compliance Date 8/07/23) - SD Chlorine Building																																	
SD40030	Project Closeout - SD Chlorine Building	90	28-Jan-22 A	14-Jul-22*	Project Closeout - SD Chlorine Building																																	
SD42090	EPA Compliance Date for Construction - SD Chlorine Building	0		07-Aug-23*	EPA Compliance Date for Construction - SD Chlorine Building																																	
Project Administration					Project Administration - SD Chlorine Building																																	
SD35040	WASD Project Administration - SD Chlorine Building	1363	17-Jul-18 A	14-Jul-22	WASD Project Administration - SD Chlorine Building																																	
1.05 Effluent Pump Station					1.05 Effluent Pump Station																																	
Engineering Design					Engineering Design - SD Effluent Pump Station																																	
SD43080	EPA Start Date for Engineering Design - SD Effluent Pump Station	0	01-Sep-16 A		EPA Start Date for Engineering Design - SD Effluent Pump Station																																	
SD42100	EPA Compliance Date for Engineering Design - SD Effluent Pump Station**	0		17-May-18 A	EPA Compliance Date for Engineering Design - SD Effluent Pump Station**																																	
SD10170	Engineering Design - SD Effluent Pump Station	1618	19-Nov-13 A	27-Jul-18 A	Engineering Design - SD Effluent Pump Station																																	
Permitting					Permitting - SD Effluent Pump Station																																	
SD43090	EPA Start Date for Permitting - SD Effluent Pump Station	0	18-May-18 A		EPA Start Date for Permitting - SD Effluent Pump Station																																	
SD42110	EPA Compliance Date for Permitting - SD Effluent Pump Station	0		17-Nov-18 A	EPA Compliance Date for Permitting - SD Effluent Pump Station																																	
SD10240	Permitting - SD Effluent Pump Station	1798	19-Nov-13 A	14-Dec-18 A	Permitting - SD Effluent Pump Station																																	
Procurement					Procurement - SD Effluent Pump Station																																	
SD43100	EPA Start Date for Procurement - SD Effluent Pump Station	0	18-Nov-18 A		EPA Start Date for Procurement - SD Effluent Pump Station																																	
SD42120	EPA Compliance Date for Procurement - SD Effluent Pump Station	0		13-Aug-19 A	EPA Compliance Date for Procurement - SD Effluent Pump Station																																	
SD10320	Procurement - SD Effluent Pump Station	1980	18-Feb-14 A	31-Oct-19 A	Procurement - SD Effluent Pump Station																																	
Construction					Construction - SD Effluent Pump Station																																	
SD43110	EPA Start Date for Construction - SD Effluent Pump Station	0	14-Aug-19 A		EPA Start Date for Construction - SD Effluent Pump Station																																	
SD42130	EPA Compliance Date for Construction - SD Effluent Pump Station	0		07-Apr-22 A	EPA Compliance Date for Construction - SD Effluent Pump Station																																	
SD10410	Construction - SD Effluent Pump Station	2609	20-May-14 A	21-Apr-22 A	Construction - SD Effluent Pump Station																																	
SD10570	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent Pump Station	0		21-Apr-22 A	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent Pump Station																																	
1.05 (1) Effluent Pump Station Wetwell Rehab					1.05 (1) Effluent Pump Station Wetwell Rehab																																	
Pre-Design					Pre-Design - Structural Rehab Wetwells																																	
SD42630	Pre-Design - Structural Rehab Wetwells	233	05-Jul-16 A	23-Feb-17 A	Pre-Design - Structural Rehab Wetwells																																	
Engineering Design					Engineering Design - Structural Rehab Wetwells																																	
SD41740	Engineering Design - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A	Engineering Design - Structural Rehab Wetwells																																	
SD42660	Engineering Design Wetwell #4 - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A	Engineering Design Wetwell #4 - Structural Rehab Wetwells																																	
SD43790	Engineering Design Wetwells #1-3 - Structural Rehab Wetwells	134	24-Feb-17 A	07-Jul-17 A	Engineering Design Wetwells #1-3 - Structural Rehab Wetwells																																	
Procurement					Procurement - Structural Rehab Wetwells																																	
SD42700	Procurement Wetwell #1 Piping - Structural Rehab Wetwells	35	27-Oct-17 A	23-Jan-18 A	Procurement Wetwell #1 Piping - Structural Rehab Wetwells																																	
SD42710	Procurement Wetwell #2 - Structural Rehab Wetwells	35	27-Oct-17 A	23-Jan-18 A	Procurement Wetwell #2 - Structural Rehab Wetwells																																	
SD44630	Change Order Approval Wetwell #1 - Structural Rehab Wetwells	17	01-Aug-18 A	21-Aug-18 A	Change Order Approval Wetwell #1 - Structural Rehab Wetwells																																	
SD41750	Procurement - Structural Rehab Wetwells	0	27-Oct-17 A	31-Oct-19 A	Procurement - Structural Rehab Wetwells																																	
SD42690	Procurement Wetwells #3 & 4 - Structural Rehab Wetwells	90	23-Aug-18 A	31-Oct-19 A	Procurement Wetwells #3 & 4 - Structural Rehab Wetwells																																	
Construction					Construction - Structural Rehab Wetwells																																	
SD30120	Wetwell #1 Piping - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A	Wetwell #1 Piping - SD Effluent PS Wetwell Rehab																																	
SD30130	Structural Rehab Wetwell #2 - SD Effluent PS Wetwell Rehab	135	23-Jan-18 A	05-Jun-18 A	Structural Rehab Wetwell #2 - SD Effluent PS Wetwell Rehab																																	
SD44620	Structural Rehab Wetwell #1 - SD Effluent PS Wetwell Rehab	75	27-Sep-18 A	18-Apr-19 A	Structural Rehab Wetwell #1 - SD Effluent PS Wetwell Rehab																																	
SD31740	Construction - Structural Rehab Wetwells	1472	23-Jan-18 A	26-May-20 A	Construction - Structural Rehab Wetwells																																	
SD30020	Structural Rehab Wetwell #3 - SD Effluent PS Wetwell Rehab	180	01-Nov-19 A	26-May-20 A	Structural Rehab Wetwell #3 - SD Effluent PS Wetwell Rehab																																	
SD30110	Structural Rehab Wetwell #4 - SD Effluent PS Wetwell Rehab	180	01-Nov-19 A	26-May-20 A	Structural Rehab Wetwell #4 - SD Effluent PS Wetwell Rehab																																	
SD11042	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Wetwell Rehab	0		26-May-20 A	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Wetwell Rehab																																	
SD42860	Project Closeout - SD Effluent PS Wetwell Rehab	90	26-May-20 A	12-Nov-21 A	Project Closeout - SD Effluent PS Wetwell Rehab																																	
Project Administration					Project Administration - SD Effluent PS Wetwell Rehab																																	
		1582	19-Nov-13 A	26-May-20 A	Project Administration - SD Effluent PS Wetwell Rehab																																	

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024				2025				2026	
					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		
SD35050	WASD Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & WW Rehab	1582	19-Nov-13 A	26-May-20 A	WASD Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & WW Rehab																															
1.05 (2) Effluent Pump Station Building Improvements & Pumps 1-6 Equip.					2392	03-Mar-16 A	20-Jul-22	1.05 (2) Effluent Pump Station Building Improvements & Pumps 1-6 Equip.																												
Pre-Design					592	03-Mar-16 A	24-Oct-17 A	Pre-Design																												
SD11192	Pre-Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	134	03-Mar-16 A	14-Jul-16 A																																
SD41850	Negotiate Remaining Balance of Work - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	410	01-Sep-16 A	24-Oct-17 A																																
Engineering Design					767	14-Jul-16 A	27-Jul-18 A	Engineering Design																												
SD41840	Technical Memorandum (TM) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	97	14-Jul-16 A	18-Oct-16 A																																
SD20410	Draft Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	45	24-Oct-17 A	11-Dec-17 A																																
SD20420	BODR Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	7	12-Dec-17 A	18-Dec-17 A																																
SD44330	Final Basis of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	16	19-Dec-17 A	05-Jan-18 A																																
SD20450	60% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	77	06-Jan-18 A	23-Mar-18 A																																
SD20460	60% Design Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	14	24-Mar-18 A	16-Apr-18 A																																
SD20470	100% Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	73	17-Apr-18 A	18-Jun-18 A																																
SD11102	Engineering Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	191	24-Oct-17 A	27-Jul-18 A																																
SD40150	100% Design Review/Permit Ready Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	25	19-Jun-18 A	27-Jul-18 A																																
Permitting					170	16-Aug-18 A	14-Dec-18 A	Permitting																												
SD11112	Permitting - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	170	16-Aug-18 A	14-Dec-18 A																																
Procurement					349	14-Nov-18 A	02-Oct-19 A	Procurement																												
SD43440	Internal Bid Package Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	3	14-Nov-18 A	27-Nov-18 A																																
SD30570	Design Documents Sent to Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	07-Dec-18 A																																	
SD30580	Submit/Approve SBD Goals and Request to Advertise - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	07-Dec-18 A	07-Feb-19 A																																
SD30590	Advertise Bid Package - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	07-Feb-19 A																																	
SD30600	Bid Solicitation Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	19-Feb-19 A	03-Apr-19 A																																
SD30610	Bids Due - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	04-Apr-19 A																																	
SD30620	Bid Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	04-Apr-19 A	06-Aug-19 A																																
SD30630	Award Recommendation - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0		06-Aug-19 A																																
SD11122	Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	270	07-Dec-18 A	02-Oct-19 A																																
SD30640	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	90	07-Aug-19 A	02-Oct-19 A																																
Construction					1052	03-Oct-19 A	20-Jul-22	Construction																												
SD11130	Contractor Notice to Proceed (NTP) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	03-Oct-19 A																																	
SD11132	Construction - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	660	03-Oct-19 A	21-Apr-22 A																																
SD44800	Commissioning - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	23-Mar-22 A	21-Apr-22 A																																
SD11142	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0		21-Apr-22 A																																
SD40040	Project Closeout - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	90	22-Apr-22 A	20-Jul-22*																																
Project Administration					1454	24-Oct-17 A	20-Jul-22	Project Administration																												
SD35060	WASD Project Administration - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	1454	24-Oct-17 A	20-Jul-22																																
1.05 (3) Effluent Pump Station Electrical Equipment (Pumps 7-9)					796	19-Nov-13 A	23-Jan-16 A	Electrical Equipment (Pumps 7-9)																												
Engineering Design					458	19-Nov-13 A	20-Feb-15 A	Engineering Design																												
SD11002	Engineering Design - SD Effluent PS Electrical Equipment (Pumps 7-9)	458	19-Nov-13 A	20-Feb-15 A																																
Permitting					90	19-Nov-13 A	17-Feb-14 A	Permitting																												
SD11012	Permitting - SD Effluent PS Electrical Equipment (Pumps 7-9)	90	19-Nov-13 A	17-Feb-14 A																																
Procurement					90	18-Feb-14 A	19-May-14 A	Procurement																												
SD11022	Procurement - SD Effluent PS Electrical Equipment (Pumps 7-9)	90	18-Feb-14 A	19-May-14 A																																
Construction					614	20-May-14 A	23-Jan-16 A	Construction																												
SD11032	Fabricate & Deliver Equipment - SD Effluent PS Electrical Equipment (Pumps 7-9)	277	20-May-14 A	20-Feb-15 A																																
SD30010	Install Electrical Equipment - SD Effluent PS Electrical Equipment (Pumps 7-9)	335	23-Feb-15 A	23-Jan-16 A																																
SD43620	Construction - SD Effluent PS Electrical Equipment (Pumps 7-9)	614	20-May-14 A	23-Jan-16 A																																
Project Administration					795	19-Nov-13 A	23-Jan-16 A	Project Administration																												
SD44150	WASD Project Administration - SD Effluent PS Electrical Equipment (Pumps 7-9)	795	19-Nov-13 A	23-Jan-16 A																																
1.06 Gravity Sludge Thickeners					3668	03-Jul-14 A	17-Jul-24	Gravity Sludge Thickeners																												
Engineering Design					1520	03-Jul-14 A	18-Aug-18 A	Engineering Design																												
SD20480	Technical Evaluation of Alternates - SD Gravity Sludge Thickeners	238	03-Jul-14 A	25-Feb-15 A																																
SD20550	Negotiate Scope and Cost with MWH - SD Gravity Sludge Thickeners	72	19-Dec-14 A	28-Feb-15 A																																
SD20780	Basis of Design Report (BODR) - SD Gravity Sludge Thickeners	234	13-Apr-15 A	02-Dec-15 A																																
SD10280	Engineering Design - SD Gravity Sludge Thickeners	636	03-Jul-14 A	29-Mar-16 A																																
SD41090	Issue Final RDBS - SD Gravity Sludge Thickeners	0		29-Mar-16 A																																
SD31020	Design Criteria Package Initial Submittal - SD Gravity Sludge Thickeners	145	03-Dec-15 A	26-Apr-16 A																																
SD31010	Pilot Testing of Thickening Process - SD Gravity Sludge Thickeners	252	21-Aug-15 A	29-Apr-16 A																																
SD31040	DCP Design Review - SD Gravity Sludge Thickeners	25	25-Apr-16 A	19-May-16 A																																
SD31060	Final DCP Submittal - SD Gravity Sludge Thickeners	188	20-May-16 A	23-Nov-16 A																																
SD43120	EPA Start Date for Engineering Design - SD Gravity Sludge Thickeners	0	01-Jan-18 A																																	
SD42140	EPA Compliance Date for Engineering Design - SD Gravity Sludge Thickeners	0		18-Aug-18 A																																
Permitting					167	29-Jan-16 A	14-Jul-16 A	Permitting																												
SD31070	FDEP Permit - SD Gravity Sludge Thickeners	167	29-Jan-16 A	14-Jul-16 A																																
Procurement					1624	29-Mar-16 A	17-Aug-20 A	Procurement																												
SD31260	RDBS Sent to Procurement - SD Gravity Sludge Thickeners	0	29-Mar-16 A																																	
SD31470	Submit/Approve SBD Goals and Request to Advertise - SD Gravity Sludge Thickeners	113	29-Mar-16 A	19-Jul-16 A																																
SD31480	Advertise RDBS - SD Gravity Sludge Thickeners	0	20-Jul-16 A																																	
SD31490	Request for Qualifications - SD Gravity Sludge Thickeners	59	20-Jul-16 A	16-Sep-16 A																																
SD31500	Qualifications Package Due - SD Gravity Sludge Thickeners	0	17-Sep-16 A																																	
SD31510	Qualification Review Period - SD Gravity Sludge Thickeners	91	17-Sep-16 A	16-Dec-16 A																																
SD31520	Shortlist Published - SD Gravity Sludge Thickeners	0		16-Dec-16 A																																
SD31530	Request for Proposals - SD Gravity Sludge Thickeners	101	24-Jan-17 A	04-May-17 A																																
SD31540	Proposals Due - SD Gravity Sludge Thickeners	0	05-May-17 A																																	
SD31550	Proposal Review Period & Oral Presentations - SD Gravity Sludge Thickeners	112	05-May-17 A	24-Aug-17 A																																

Activity ID	Activity Name	Original Duration	Start	Finish	2018												2019												2020												2021												2022												2023												2024												2025												2026											
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																																																								
SD31560	Award Recommendation - SD Gravity Sludge Thickeners	0	25-Aug-17 A		Recommendation - SD Gravity Sludge Thickeners																																																																																																											
SD31570	Contract Negotiations - SD Gravity Sludge Thickeners	53	25-Aug-17 A	17-Nov-17 A	Contract Negotiations - SD Gravity Sludge Thickeners																																																																																																											
SD31580	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Gravity Sludge Thickeners	79	18-Nov-17 A	01-May-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Gravity Sludge Thickeners																																																																																																											
SD44730	Bid Cancellation - SD Gravity Sludge Thickeners	0		30-May-18 A	Bid Cancellation - SD Gravity Sludge Thickeners																																																																																																											
SD44750	TA Re-Negotiation and Approval - SD Gravity Sludge Thickeners	60	11-May-18 A	23-Jul-18 A	TA Re-Negotiation and Approval - SD Gravity Sludge Thickeners																																																																																																											
SD44990	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	29-Aug-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments																																																																																																											
SD45000	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	30	19-Sep-18 A	08-Nov-18 A	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB																																																																																																											
SD45010	Project Advertisement (after signed RTA) - SD Gravity Sludge Thickeners	0		08-Nov-18 A	Project Advertisement (after signed RTA) - SD Gravity Sludge Thickeners																																																																																																											
SD45040	Select and Approve Competitive Selection Committee (CSC) - SD Gravity Sludge Thickeners	40	19-Sep-18 A	04-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - SD Gravity Sludge Thickeners																																																																																																											
SD45020	Step 1 - Submittal Due Date - SD Gravity Sludge Thickeners	40	09-Nov-18 A	11-Jan-19 A	Step 1 - Submittal Due Date - SD Gravity Sludge Thickeners																																																																																																											
SD45030	Step 1 - Qualifications Evaluation/Meeting - SD Gravity Sludge Thickeners	30	12-Jan-19 A	06-Mar-19 A	Step 1 - Qualifications Evaluation/Meeting - SD Gravity Sludge Thickeners																																																																																																											
SD45360	Issue DCP and Request for Proposals - SD Gravity Sludge Thickeners	15	12-Mar-19 A	19-Mar-19 A	Issue DCP and Request for Proposals - SD Gravity Sludge Thickeners																																																																																																											
SD45060	Step 2 Submittal Due Date - SD Gravity Sludge Thickeners	54	18-Mar-19 A	10-May-19 A	Step 2 Submittal Due Date - SD Gravity Sludge Thickeners																																																																																																											
SD45080	Step 2 Meeting - SD Gravity Sludge Thickeners	30	10-May-19 A	12-Jun-19 A	Step 2 Meeting - SD Gravity Sludge Thickeners																																																																																																											
SD45070	Step 2 Proposal Review and Evaluation - SD Gravity Sludge Thickeners	76	11-May-19 A	12-Jun-19 A	Step 2 Proposal Review and Evaluation - SD Gravity Sludge Thickeners																																																																																																											
SD45090	Negotiation Memo submitted / Approved by WASD Director - SD Gravity Sludge Thickeners	60	13-Jun-19 A	01-Jul-19 A	Negotiation Memo submitted / Approved by WASD Director - SD Gravity Sludge Thickeners																																																																																																											
SD45110	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Gravity Sludge Thickeners	60	02-Jul-19 A	09-Aug-19 A	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Gravity Sludge Thickeners																																																																																																											
SD43140	EPA Start Date for Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	0	19-Aug-19 A		EPA Start Date for Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners																																																																																																											
SD45120	Negotiations Concluded and preparation of final Contract - SD Gravity Sludge Thickeners	162	10-Aug-19 A	26-Sep-19 A	Negotiations Concluded and preparation of final Contract - SD Gravity Sludge Thickeners																																																																																																											
SD45130	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Gravity Sludge Thick	60	27-Sep-19 A	13-Dec-19 A	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Gravity Sludge Thick																																																																																																											
SD45140	Submit Contract Award Recommendation/Contract for internal approvals - SD Gravity Sludge Thickeners	21	14-Dec-19 A	28-Feb-20 A	Submit Contract Award Recommendation/Contract for internal approvals - SD Gravity Sludge Thickeners																																																																																																											
SD45150	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - SD Gravity Sludge Thickeners	62	29-Feb-20 A	05-May-20 A	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - SD Gravity Sludge Thickeners																																																																																																											
SD10430	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	60	29-Mar-16 A	03-Jul-20 A	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners																																																																																																											
SD44710	Repackage and Rebid Project - SD Gravity Sludge Thickeners	739	09-Aug-18 A	03-Jul-20 A	Repackage and Rebid Project - SD Gravity Sludge Thickeners																																																																																																											
SD45160	Issue NTP - SD Gravity Sludge Thickeners	59	06-May-20 A	03-Jul-20 A	Issue NTP - SD Gravity Sludge Thickeners																																																																																																											
SD42160	EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners	0		17-Aug-20 A	EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners																																																																																																											
Design-Build		1442	06-Jul-20 A	17-Jul-24	17-Jul-24, Design-Build																																																																																																											
SD31590	Design-Builder NTP - SD Gravity Sludge Thickeners	0	06-Jul-20 A		Design-Builder NTP - SD Gravity Sludge Thickeners																																																																																																											
SD43150	EPA Start Date for Construction - SD Gravity Sludge Thickeners	0	18-Aug-20 A		EPA Start Date for Construction - SD Gravity Sludge Thickeners																																																																																																											
SD31100	AHJ Permit Review - SD Gravity Sludge Thickeners	180	15-Sep-20 A	25-Sep-21 A	AHJ Permit Review - SD Gravity Sludge Thickeners																																																																																																											
SD31090	Final Engineering by Design-Builder - SD Gravity Sludge Thickeners	300	06-Jul-20 A	16-Jul-22	Final Engineering by Design-Builder - 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	909	06-Jul-20 A	19-Mar-24	Design-Builder Contract Duration - SD Gravity Sludge T																																																																																																											
SD10500	Construction - SD Gravity Sludge Thickeners	677	18-Jan-21 A	19-Mar-24	Construction - SD Gravity Sludge Thickeners																																																																																																											
SD44810	Commissioning - SD Gravity Sludge Thickeners	30	19-Feb-24	19-Mar-24	Commissioning - SD Gravity Sludge Thickeners																																																																																																											
SD10600	Substantial Completion (CD Compliance Date 1/06/23) - SD Gravity Sludge Thickeners	0		19-Mar-24*	Substantial Completion (CD Compliance Date 1/06/23) - SD Gravity Sludge Thickeners																																																																																																											
SD40050	Project Closeout - SD Gravity Sludge Thickeners	120	20-Mar-24	17-Jul-24*	Project Closeout - SD Gravity Sludge Thickeners																																																																																																											
Project Administration		2380	03-Jul-14 A	17-Jul-24	17-Jul-24, Project Administration																																																																																																											
SD35070	WASD Project Administration - SD Gravity Sludge Thickeners	2380	03-Jul-14 A	17-Jul-24	WASD Project Administration - SD Gravity Sludge																																																																																																											
1.07 Digesters and Control Building		3480	30-Jun-14 A	08-Jan-24	08-Jan-24, 1.07, Digesters and Control Building																																																																																																											
Pre-Design		604	18-Feb-15 A	14-Oct-16 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	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	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		834	25-Aug-17 A	17-Apr-20 A	17-Apr-20 A, Procurement																																																																																																											
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																																																																																																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																											
					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		
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 A	Procurement - SD Digesters & Control Building																											
SD30390	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building	75	19-May-18 A	08-Aug-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building																											
SD33690	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building	60	09-Aug-18 A	07-Feb-19 A	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building																											
SD33710	Requisition for Pre-Purchase Package (RTU) - SD Digesters & Control Building	30	08-Feb-19 A	08-Mar-19 A	Requisition for Pre-Purchase Package (RTU) - SD Digesters & Control Building																											
SD33730	Vendor NTP (RTU) - SD Digesters & Control Building	62	09-Mar-19 A	09-May-19 A	Vendor NTP (RTU) - SD Digesters & Control Building																											
SD33700	Pre-Purchase RTU - SD Digesters & Control Building	272	09-Aug-18 A	17-Apr-20 A	Pre-Purchase RTU - SD Digesters & Control Building																											
SD33740	Fabricate & Deliver RTU for Cluster 1 - SD Digesters & Control Building	180	10-May-19 A	17-Apr-20 A	Fabricate & Deliver RTU for Cluster 1 - SD Digesters & Control Building																											
Construction					2049 01-May-18 A 08-Jan-24																											
SD43190	EPA Start Date for Construction - SD Digesters & Control Building*	0	01-May-18 A		EPA Start Date for Construction - SD Digesters & Control Building*																											
SD30400	Contractor Notice to Proceed (NTP) - SD Digesters & Control Building	0	08-Aug-18 A		Contractor Notice to Proceed (NTP) - SD Digesters & Control Building																											
SD45350	Substantial Completion (Acid Phase) - SD Digesters & Control Building	0		24-Nov-21 A	Substantial Completion (Acid Phase) - SD Digesters & Control Building																											
SD10140	Construction - SD Digesters & Control Building	1200	08-Aug-18 A	12-Jul-23	Construction - SD Digesters & Control Building																											
SD44820	Commissioning - SD Digesters & Control Building	30	13-Jun-23	12-Jul-23	Commissioning - SD Digesters & Control Building																											
SD10560	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building	0		12-Jul-23*	Substantial Completion (CD Compliance Date 11/21/23) - SD Digesters & Control Building																											
SD42210	EPA Compliance Date for Construction - SD Digesters & Control Building	0		21-Nov-23*	EPA Compliance Date for Construction - SD Digesters & Control Building																											
SD40060	Project Closeout - SD Digesters & Control Building	180	13-Jul-23	08-Jan-24*	Project Closeout - SD Digesters & Control Building																											
Project Administration					2778 30-Jun-14 A 08-Jan-24																											
SD35080	WASD Project Administration - SD Digesters & Control Building	2778	30-Jun-14 A	08-Jan-24	WASD Project Administration - SD Digesters & Control Building																											
1.08 Dewatering Facility					3670 01-Jul-14 A 17-Jul-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	Pre-Design - SD Dewatering Facilities																											
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		EPA Start Date for Engineering Design - SD Dewatering Facilities**																											
SD42220	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**	0		13-Apr-15 A	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**																											
SD20000	Basis of Design Report (BODR) - SD Dewatering Facilities	234	13-Apr-15 A	02-Dec-15 A	Basis of Design Report (BODR) - SD Dewatering Facilities																											
SD10030	Engineering Design (DCP) - SD Dewatering Facilities	467	13-Apr-15 A	29-Mar-16 A	Engineering Design (DCP) - SD Dewatering Facilities																											
SD41100	Issue Final RDBS - SD Dewatering Facilities	0		29-Mar-16 A	Issue Final RDBS - SD Dewatering Facilities																											
SD20020	Design Criteria Package Initial Submittal - SD Dewatering Facilities	146	03-Dec-15 A	26-Apr-16 A	Design Criteria Package Initial Submittal - SD Dewatering Facilities																											
SD20800	Pilot Testing of Thickening Process - SD Dewatering Facilities	253	21-Aug-15 A	29-Apr-16 A	Pilot Testing of Thickening Process - SD Dewatering Facilities																											
SD20030	DCP Design Review - SD Dewatering Facilities	25	25-Apr-16 A	19-May-16 A	DCP Design Review - SD Dewatering Facilities																											
SD20040	Final DCP Submittal - SD Dewatering Facilities	188	20-May-16 A	23-Nov-16 A	Final DCP Submittal - SD Dewatering Facilities																											
Permitting					167 29-Jan-16 A 14-Jul-16 A																											
SD20070	FDEP Permit - SD Dewatering Facilities	168	29-Jan-16 A	14-Jul-16 A	FDEP Permit - SD Dewatering Facilities																											
Procurement					1624 29-Mar-16 A 03-Jul-20 A																											
SD31600	RDBS Sent to Procurement - SD Dewatering Facilities	0	29-Mar-16 A		RDBS Sent to Procurement - SD Dewatering Facilities																											
SD43220	EPA Start Date for Procurement - SD Dewatering Facilities	0	13-Apr-16 A		EPA Start Date for Procurement - SD Dewatering Facilities																											
SD31610	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities	113	29-Mar-16 A	19-Jul-16 A	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities																											
SD31620	Advertise RDBS - SD Dewatering Facilities	0	20-Jul-16 A		Advertise RDBS - SD Dewatering Facilities																											
SD31630	Request for Qualifications - SD Dewatering Facilities	59	20-Jul-16 A	16-Sep-16 A	Request for Qualifications - SD Dewatering Facilities																											
SD31640	Qualifications Package Due - SD Dewatering Facilities	0	17-Sep-16 A		Qualifications Package Due - SD Dewatering Facilities																											
SD31650	Qualification Review Period - SD Dewatering Facilities	91	17-Sep-16 A	16-Dec-16 A	Qualification Review Period - SD Dewatering Facilities																											
SD31660	Shortlist Published - SD Dewatering Facilities	0		16-Dec-16 A	Shortlist Published - SD Dewatering Facilities																											
SD31670	Request for Proposals - SD Dewatering Facilities	101	24-Jan-17 A	04-May-17 A	Request for Proposals - SD Dewatering Facilities																											
SD31680	Proposals Due - SD Dewatering Facilities	0	05-May-17 A		Proposals Due - SD Dewatering Facilities																											
SD31690	Proposal Review Period & Oral Presentations - SD Dewatering Facilities	112	05-May-17 A	24-Aug-17 A	Proposal Review Period & Oral Presentations - SD Dewatering Facilities																											
SD31700	Award Recommendation - SD Dewatering Facilities	0	25-Aug-17 A		Award Recommendation - SD Dewatering Facilities																											
SD31710	Contract Negotiations - SD Dewatering Facilities	53	25-Aug-17 A	17-Nov-17 A	Contract Negotiations - SD Dewatering Facilities																											
SD42240	EPA Compliance Date for Procurement - SD Dewatering Facilities	0		09-Jan-18 A	EPA Compliance Date for Procurement - SD Dewatering Facilities																											
SD31720	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities	79	18-Nov-17 A	01-May-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Dewatering Facilities																											
SD44740	Bid Cancellation - SD Dewatering Facilities	0		30-May-18 A	Bid Cancellation - SD Dewatering Facilities																											
SD44760	TA Re-Negotiation and Approval - SD Dewatering Facilities	60	11-May-18 A	23-Jul-18 A	TA Re-Negotiation and Approval - SD Dewatering Facilities																											
SD45170	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	28-Aug-18 A	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments																											
SD45180	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40	19-Sep-18 A	08-Nov-18 A	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB																											
SD45190	Project Advertisement (after signed RTA) - SD Dewatering Facilities	0		08-Nov-18 A	Project Advertisement (after signed RTA) - SD Dewatering Facilities																											
SD45220	Select and Approve Competitive Selection Committee (CSC) - SD Dewatering Facilities	40	19-Sep-18 A	04-Jan-19 A	Select and Approve Competitive Selection Committee (CSC) - SD Dewatering Facilities																											
SD45200	Step 1 - Submittal Due Date - SD Dewatering Facilities	40	09-Nov-18 A	11-Jan-19 A	Step 1 - Submittal Due Date - SD Dewatering Facilities																											
SD45210	Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities	30	12-Jan-19 A	06-Mar-19 A	Step 1 - Qualifications Evaluation/Meeting - SD Dewatering Facilities																											
SD45370	Issue DCP and Request for Proposals - SD Dewatering Facilities	15	12-Mar-19 A	19-Mar-19 A	Issue DCP and Request for Proposals - SD Dewatering Facilities																											
SD45240	Step 2 Submittal Due Date - SD Dewatering Facilities	54	18-Mar-19 A	10-May-19 A	Step 2 Submittal Due Date - SD Dewatering Facilities																											
SD45260	Step 2 Meeting - SD Dewatering Facilities	30	10-May-19 A	12-Jun-19 A	Step 2 Meeting - SD Dewatering Facilities																											
SD45250	Step 2 Proposal Review and Evaluation - SD Dewatering Facilities	76	11-May-19 A	12-Jun-19 A	Step 2 Proposal Review and Evaluation - SD Dewatering Facilities																											
SD45270	Negotiation Memo submitted / Approved by WASD Director - SD Dewatering Facilities	60	13-Jun-19 A	01-Jul-19 A	Negotiation Memo submitted / Approved by WASD Director - SD Dewatering Facilities																											
SD45290	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Dewatering Facilities	10	02-Jul-19 A	09-Aug-19 A	Negotiations Commence - Contract provided to Firm (1st meeting) - SD Dewatering Facilities																											
SD45320	Negotiations Concluded and preparation of final Contract - SD Dewatering Facilities	162	10-Aug-19 A	26-Sep-19 A	Negotiations Concluded and preparation of final Contract - SD Dewatering Facilities																											
SD45330	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities	78	27-Sep-19 A	13-Dec-19 A	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures - SD Dewatering Facilities																											
SD45340	Submit Contract Award Recommendation/Contract for internal approvals - SD Dewatering Facilities	21	14-Dec-19 A	28-Feb-20 A	Submit Contract Award Recommendation/Contract for internal approvals - SD Dewatering Facilities																											
SD45300	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - SD Dewatering Facilities	62	29-Feb-20 A	05-May-20 A	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - SD Dewatering Facilities																											

Activity ID	Activity Name	Original Duration	Start	Finish	Timeline (2018-2026)																											
					2018	2019	2020	2021	2022	2023	2024	2025	2026																			
SD10110	Procurement - SD Dewatering Facilities	679	29-Mar-16 A	03-Jul-20 A	Procurement - SD Dewatering Facilities																											
SD44720	Repackage and Rebid Project - SD Dewatering Facilities	739	09-Aug-18 A	03-Jul-20 A	Repackage and Rebid Project - SD Dewatering Facilities																											
SD45310	Issue NTP - SD Dewatering Facilities	59	06-May-20 A	03-Jul-20 A	Issue NTP - SD Dewatering Facilities																											
Design-Build					17-Jul-24, Design-Build																											
SD43230	EPA Start Date for Construction - SD Dewatering Facilities	0	10-Jan-18 A		EPA Start Date for Construction - SD Dewatering Facilities																											
SD31730	Design-Builder NTP - SD Dewatering Facilities	0	06-Jul-20 A		Design-Builder NTP - SD Dewatering Facilities																											
SD20080	AHJ Permit Review - SD Dewatering Facilities	180	15-Sep-20 A	25-Sep-21 A	AHJ Permit Review - SD Dewatering Facilities																											
SD20010	Final Engineering by Design-Builder - SD Dewatering Facilities	300	06-Jul-20 A	16-Jul-22	Final Engineering by Design-Builder - SD Dewatering Facilities																											
SD42250	EPA Compliance Date for Construction - SD Dewatering Facilities	0	06-Jan-23*		EPA Compliance Date for Construction - SD Dewatering Facilities																											
SD43870	Design-Builder Contract Duration - SD Dewatering Facilities	909	06-Jul-20 A	19-Mar-24	Design-Builder Contract Duration - SD Dewatering Facilities																											
SD10210	Construction - SD Dewatering Facilities	677	18-Jan-21 A	19-Mar-24	Construction - SD Dewatering Facilities																											
SD44830	Commissioning - SD Dewatering Facilities	30	19-Feb-24	19-Mar-24	Commissioning - SD Dewatering Facilities																											
SD10450	Substantial Completion (CD Compliance Date 1/6/23) - SD Dewatering Facilities	0	19-Mar-24*		Substantial Completion (CD Compliance Date 1/6/23) - SD Dewatering Facilities																											
SD40070	Project Closeout - SD Dewatering Facilities	120	20-Mar-24	17-Jul-24*	Project Closeout - SD Dewatering Facilities																											
Project Administration					17-Jul-24, Project Administration																											
SD35090	WASD Project Administration - SD Dewatering Facilities	2096	13-Apr-15 A	17-Jul-24	WASD Project Administration - SD Dewatering Facilities																											
1.09 FOG Removal Facility					21-May-22 A, 1.09: FOG Removal Facility																											
Engineering Design																																
SD43240	EPA Start Date for Engineering Design - SD FOG Removal Facility	0	08-Jul-14 A	16-Feb-16 A	EPA Start Date for Engineering Design - SD FOG Removal Facility																											
SD20560	Technical Evaluation of Alternatives - SD FOG Removal Facility	252	08-Jul-14 A	16-Mar-15 A	Technical Evaluation of Alternatives - SD FOG Removal Facility																											
SD20570	Negotiate Scope and Cost with MWH - SD FOG Removal Facility	136	19-Dec-14 A	03-May-15 A	Negotiate Scope and Cost with MWH - SD FOG Removal Facility																											
SD20580	Basis of Design Report (BODR) Submittal - SD FOG Removal Facility	79	04-May-15 A	21-Jul-15 A	Basis of Design Report (BODR) Submittal - SD FOG Removal Facility																											
SD20590	BODR Design Review - SD FOG Removal Facility	38	22-Jul-15 A	28-Aug-15 A	BODR Design Review - SD FOG Removal Facility																											
SD20600	60% Design Submittal - SD FOG Removal Facility	37	01-Sep-15 A	07-Oct-15 A	60% Design Submittal - SD FOG Removal Facility																											
SD20610	60% Design Review - SD FOG Removal Facility	15	08-Oct-15 A	22-Oct-15 A	60% Design Review - SD FOG Removal Facility																											
SD20620	100% Design Submittal - SD FOG Removal Facility	62	23-Oct-15 A	23-Dec-15 A	100% Design Submittal - SD FOG Removal Facility																											
SD10000	Engineering Design - SD FOG Removal Facility	563	08-Jul-14 A	21-Jan-16 A	Engineering Design - SD FOG Removal Facility																											
SD40170	100% Design Review/Permit Ready Submittal - SD FOG Removal Facility	29	24-Dec-15 A	21-Jan-16 A	100% Design Review/Permit Ready Submittal - SD FOG Removal Facility																											
SD42260	EPA Compliance Date for Engineering Design - SD FOG Removal Facility	0	16-Feb-16 A		EPA Compliance Date for Engineering Design - SD FOG Removal Facility																											
Permitting					28-Oct-16 A																											
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					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					21-May-22 A, Construction																											
SD10123	Contractor Notice to Proceed (NTP) - SD FOG Removal Facility	0	30-Jun-17 A		Contractor Notice to Proceed (NTP) - SD FOG Removal Facility																											
SD43270	EPA Start Date for Construction - SD FOG Removal Facility	0	31-Jul-17 A		EPA Start Date for Construction - SD FOG Removal Facility																											
SD10130	Construction - SD FOG Removal Facility	329	30-Jun-17 A	26-Mar-19 A	Construction - SD FOG Removal Facility																											
SD44880	Commissioning (Part 1) - SD FOG Removal Facility	44	13-Feb-19 A	26-Mar-19 A	Commissioning (Part 1) - SD FOG Removal Facility																											
SD44840	Commissioning (Part 2) - SD FOG Removal Facility	30	27-Feb-19 A	26-Mar-19 A	Commissioning (Part 2) - SD FOG Removal Facility																											
SD10270	Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility	0		26-Mar-19 A	Substantial Completion (CD Compliance Date 5/24/19) - SD FOG Removal Facility																											
SD42290	EPA Compliance Date for Construction - SD FOG Removal Facility	0		24-May-19 A	EPA Compliance Date for Construction - SD FOG Removal Facility																											
SD40080	Project Closeout - SD FOG Removal Facility	105	27-Mar-19 A	21-May-22 A	Project Closeout - SD FOG Removal Facility																											
Project Administration					01-Dec-21 A, Project Administration																											
SD35100	WASD Project Administration - SD FOG Removal Facility	1507	08-Jul-14 A	01-Dec-21 A	WASD Project Administration - SD FOG Removal Facility																											
1.10 Odor Control					25-Apr-23, 1.10 Odor Control																											
Pre-Design					31-Jan-19 A, Pre-Design																											
SD11182	Pre-Design (BODR) - SD Odor Control	180	25-Jan-18 A	14-Sep-18 A	Pre-Design (BODR) - SD Odor Control																											
SD44770	Pre-Design (Remaining Scope of Work) - SD Odor Control	150	28-Nov-18 A	31-Jan-19 A	Pre-Design (Remaining Scope of Work) - SD Odor Control																											
Engineering Design					17-Feb-20 A, Engineering Design																											
SD43280	EPA Start Date for Engineering Design - SD Odor Control	0	01-Dec-18 A		EPA Start Date for Engineering Design - SD Odor Control																											
SD20630	Basis of Design Report (BODR) - SD Odor Control	96	15-Sep-18 A	21-Dec-18 A	Basis of Design Report (BODR) - SD Odor Control																											
SD20640	BODR Review Period & Final BODR - SD Odor Control	24	24-Dec-18 A	16-Jan-19 A	BODR Review Period & Final BODR - SD Odor Control																											
SD20650	30% Design Submittal - SD Odor Control	60	04-Feb-19 A	02-Apr-19 A	30% Design Submittal - SD Odor Control																											
SD20660	30% Design Review - SD Odor Control	10	03-Apr-19 A	12-Apr-19 A	30% Design Review - SD Odor Control																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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
SD42300	EPA Compliance Date for Engineering Design - SD Odor Control	0		27-Jun-19 A	◆ EPA Compliance Date for Engineering Design - SD Odor Control																																			
SD20670	60% Design Submittal - SD Odor Control	90	13-Apr-19 A	11-Jul-19 A	■ 60% Design Submittal - SD Odor Control																																			
SD20680	60% Design Review - SD Odor Control	12	12-Jul-19 A	02-Aug-19 A	■ 60% Design Review - SD Odor Control																																			
SD20690	100% Design Submittal - SD Odor Control	48	03-Aug-19 A	24-Sep-19 A	■ 100% Design Submittal - SD Odor Control																																			
SD10360	Engineering Design - SD Odor Control	470	14-Sep-18 A	08-Nov-19 A	■ Engineering Design - SD Odor Control																																			
SD40180	100% Design Review/Permit Ready Submittal - SD Odor Control	41	25-Sep-19 A	08-Nov-19 A	■ 100% Design Review/Permit Ready Submittal - SD Odor Control																																			
SD45390	100% Bid Ready Submittal - SD Odor Control	20	29-Jan-20 A	17-Feb-20 A	■ 100% Bid Ready Submittal - SD Odor Control																																			
Permitting																																								
SD43290	EPA Start Date for Permitting - SD Odor Control	488	20-Feb-19 A	07-Jul-20 A	◆ EPA Start Date for Permitting - SD Odor Control																																			
SD45430	FDEP Permit - SD Odor Control	60	20-Feb-19 A	06-Sep-19 A	■ FDEP Permit - SD Odor Control																																			
SD42310	EPA Compliance Date for Permitting - SD Odor Control	0		26-Jun-20 A	◆ EPA Compliance Date for Permitting - SD Odor Control																																			
SD10400	Permitting - SD Odor Control	180	21-Nov-19 A	07-Jul-20 A	■ Permitting - SD Odor Control																																			
Procurement																																								
SD43460	Internal Bid Package Review - SD Odor Control	469	18-Feb-20 A	26-Jun-21 A	■ Internal Bid Package Review - SD Odor Control																																			
SD30730	Design Documents Sent to Procurement - SD Odor Control	13	18-Feb-20 A	01-Mar-20 A	◆ Design Documents Sent to Procurement - SD Odor Control																																			
SD30740	Submit/Approve SBD Goals and Request to Advertise - SD Odor Control	0	02-Mar-20 A	03-Jun-20 A	■ Submit/Approve SBD Goals and Request to Advertise - SD Odor Control																																			
SD30750	Advertise Bid Package - SD Odor Control	60	02-Mar-20 A	03-Jun-20 A	◆ Advertise Bid Package - SD Odor Control																																			
SD43300	EPA Start Date for Procurement - SD Odor Control	0	04-Jun-20 A		◆ EPA Start Date for Procurement - SD Odor Control																																			
SD30760	Bid Solicitation Period - SD Odor Control	0	27-Jun-20 A		■ Bid Solicitation Period - SD Odor Control																																			
SD30770	Bids Due - SD Odor Control	60	04-Jun-20 A	30-Jul-20 A	◆ Bids Due - SD Odor Control																																			
SD30780	Bid Review Period - SD Odor Control	0	31-Jul-20 A		■ Bid Review Period - SD Odor Control																																			
SD30790	Award Recommendation - SD Odor Control	47	31-Jul-20 A	04-Jan-21 A	◆ Award Recommendation - SD Odor Control																																			
SD10480	Procurement - SD Odor Control	0	04-Jan-21 A		■ Procurement - SD Odor Control																																			
SD30800	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control	270	02-Mar-20 A	21-Mar-21 A	◆ Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control																																			
SD30800	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control	24	05-Jan-21 A	21-Mar-21 A	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Odor Control																																			
SD42320	EPA Compliance Date for Procurement - SD Odor Control	0		26-Jun-21 A	◆ EPA Compliance Date for Procurement - SD Odor Control																																			
Construction																																								
SD10538	Contractor Notice to Proceed (NTP) - SD Odor Control	734	22-Mar-21 A	25-Apr-23	◆ Contractor Notice to Proceed (NTP) - SD Odor Control																																			
SD43310	EPA Start Date for Construction - SD Odor Control	0	22-Mar-21 A		◆ EPA Start Date for Construction - SD Odor Control																																			
SD10540	Construction - SD Odor Control	0	27-Jun-21 A		■ Construction - SD Odor Control																																			
SD44850	Commissioning - SD Odor Control	566	22-Mar-21 A	06-Jan-23	■ Commissioning - SD Odor Control																																			
SD10610	Substantial Completion (CD Compliance Date 4/25/23) - SD Odor Control	30	08-Dec-22	06-Jan-23	◆ Substantial Completion (CD Compliance Date 4/25/23) - SD Odor Control																																			
SD40090	Project Closeout - SD Odor Control	0	06-Jan-23*		■ Project Closeout - SD Odor Control																																			
SD42330	EPA Compliance Date for Construction - SD Odor Control	90	07-Jan-23	06-Apr-23*	◆ EPA Compliance Date for Construction - SD Odor Control																																			
Project Administration																																								
SD35110	WASD Project Administration - SD Odor Control	1687	15-Sep-18 A	06-Apr-23	■ WASD Project Administration - SD Odor Control																																			
1.11 General Electrical																																								
Engineering Design																																								
SD43320	EPA Start Date for Engineering Design - SD General Electrical	482	25-Oct-16 A	14-Feb-19 A	◆ EPA Start Date for Engineering Design - SD General Electrical																																			
SD42340	EPA Compliance Date for Engineering Design - SD General Electrical	0	31-Dec-16 A		◆ EPA Compliance Date for Engineering Design - SD General Electrical																																			
SD10180	Engineering Design (Summary) - SD General Electrical	0	14-Feb-19 A		■ Engineering Design (Summary) - SD General Electrical																																			
Permitting																																								
SD43330	EPA Start Date for Permitting - SD General Electrical	694	30-Jun-17 A	25-May-19 A	◆ EPA Start Date for Permitting - SD General Electrical																																			
SD42350	EPA Compliance Date for Permitting - SD General Electrical**	0	25-May-19 A		◆ EPA Compliance Date for Permitting - SD General Electrical**																																			
SD10230	Permitting (Summary) - SD General Electrical	0	30-Jun-17 A		■ Permitting (Summary) - SD General Electrical																																			
Procurement																																								
SD43340	EPA Start Date for Procurement - SD General Electrical	626	29-May-18 A	24-Dec-20 A	◆ EPA Start Date for Procurement - SD General Electrical																																			
SD42360	EPA Compliance Date for Procurement - SD General Electrical	0	29-May-18 A		◆ EPA Compliance Date for Procurement - SD General Electrical																																			
SD10310	Procurement (Summary) - SD General Electrical	169	24-Aug-18 A	24-Dec-20 A	■ Procurement (Summary) - SD General Electrical																																			
Construction																																								
SD43350	EPA Start Date for Construction - SD General Electrical	1575	29-May-19 A	21-Sep-23	◆ EPA Start Date for Construction - SD General Electrical																																			
SD42370	EPA Compliance Date for Construction - SD General Electrical	0	29-May-19 A		◆ EPA Compliance Date for Construction - SD General Electrical																																			
SD10390	Construction (Summary) - SD General Electrical	725	03-Oct-19 A	21-Sep-23	■ Construction (Summary) - SD General Electrical																																			
SD10510	Substantial Completion (CD Compliance Date 3/26/21) - SD General Electrical	0	21-Sep-23*		◆ Substantial Completion (CD Compliance Date 3/26/21) - SD General																																			
Project Administration																																								
SD35120	WASD Project Administration - SD General Electric	769	25-Oct-16 A	21-Sep-23	■ WASD Project Administration - SD General Electric																																			
1.11 (1.1) SDWWTP Substations 9-12																																								
Engineering Design																																								
SD44220	Basis of Design Report (BODR) - Replace SS 9, 10, 11 & 12	320	25-Oct-16 A	14-Jul-23	◆ Basis of Design Report (BODR) - Replace SS 9, 10, 11 & 12																																			
SD44230	BODR Review Period - Replace SS 9, 10, 11 & 12	320	15-Jun-17 A	27-Apr-18 A	■ BODR Review Period - Replace SS 9, 10, 11 & 12																																			
SD44240	60% Design Submittal - Replace SS 9, 10, 11 & 12	107	15-Jun-17 A	29-Sep-17 A	◆ 60% Design Submittal - Replace SS 9, 10, 11 & 12																																			
SD44250	60% Design Review - Replace SS 9, 10, 11 & 12	6	30-Sep-17 A	05-Oct-17 A	■ 60% Design Review - Replace SS 9, 10, 11 & 12																																			
SD44260	100% Design Submittal - Replace SS 9, 10, 11 & 12	34	06-Oct-17 A	08-Nov-17 A	◆ 100% Design Submittal - Replace SS 9, 10, 11 & 12																																			
SD40460	Engineering Design - Replace SS 9, 10, 11 & 12	7	09-Nov-17 A	14-Nov-17 A	■ Engineering Design - Replace SS 9, 10, 11 & 12																																			
SD44270	100% Design Review/Permit Ready Submittal - Replace SS 9, 10, 11 & 12	48	15-Nov-17 A	03-Jan-18 A	◆ 100% Design Review/Permit Ready Submittal - Replace SS 9, 10, 11 & 12																																			
SD40460	Engineering Design - Replace SS 9, 10, 11 & 12	230	15-Jun-17 A	27-Apr-18 A	■ Engineering Design - Replace SS 9, 10, 11 & 12																																			
SD44270	100% Design Review/Permit Ready Submittal - Replace SS 9, 10, 11 & 12	87	04-Jan-18 A	27-Apr-18 A	◆ 100% Design Review/Permit Ready Submittal - Replace SS 9, 10, 11 & 12																																			
Permitting																																								
SD44900	DERM Permit - Replace SS 9, 10, 11 & 12	90	07-May-18 A	25-Sep-18 A	■ DERM Permit - Replace SS 9, 10, 11 & 12																																			
SD43640	Permitting - Replace SS 9, 10, 11 & 12	90	07-May-18 A	25-Sep-18 A	◆ Permitting - Replace SS 9, 10, 11 & 12																																			
SD44890	MDC Building Dept. Permit - Replace SS 9, 10, 11 & 12	90	07-May-18 A	25-Sep-18 A	■ MDC Building Dept. Permit - Replace SS 9, 10, 11 & 12																																			
Procurement																																								
SD44400	Internal Bid Package Review - Replace SS 9, 10, 11 & 12	711	17-Aug-18 A	07-Sep-20 A	■ Internal Bid Package Review - Replace SS 9, 10, 11 & 12																																			
SD44410	Design Documents Sent to Procurement - Replace SS 9, 10, 11 & 12	3	17-Aug-18 A	24-Aug-18 A	◆ Design Documents Sent to Procurement - Replace SS 9, 10, 11 & 12																																			
SD44420	Submit/Approve SBD Goals and Request to Advertise - Replace SS 9, 10, 11 & 12	0	24-Aug-18 A		■ Submit/Approve SBD Goals and Request to Advertise - Replace SS 9, 10, 11 & 12																																			
SD44430	Advertise Bid Package - Replace SS 9, 10, 11 & 12	60	24-Aug-18 A	16-Oct-18 A	◆ Advertise Bid Package - Replace SS 9, 10, 11 & 12																																			
SD44440	Bid Solicitation Period - Replace SS 9, 10, 11 & 12	0	17-Oct-18 A		■ Bid Solicitation Period - Replace SS 9, 10, 11 & 12																																			
SD44440	Bid Solicitation Period - Replace SS 9, 10, 11 & 12	45	17-Oct-18 A	05-Dec-18 A	◆ Bid Solicitation Period - Replace SS 9, 10, 11 & 12																																			
SD44600	Bids Due - Replace SS 9, 10, 11 & 12	0	05-Dec-18 A		■ Bids Due - Replace SS 9, 10, 11 & 12																																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018																								2019												2020												2021												2022												2023												2024												2025												2026																																																																																																																																																																																																																										
					Q1				Q2				Q3				Q4				Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4																																																																																																																																																																																																																																																													
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																																																																																																																																																																																																																																																																															
Construction					38	06-Dec-18 A	28-May-19 A	Bid Review Period - Replace SS 9, 10, 11 & 12																								Bid Review Period - Replace SS 9, 10, 11 & 12												Bids Rejected - Replace SS 9, 10, 11 & 12												Re-Advertise Bid Package - Replace SS 9, 10, 11 & 12												Bid Solicitation Period (Re-bid) - Replace SS 9, 10, 11 & 12												Bids Due (Re-bid) - Replace SS 9, 10, 11 & 12												Bid Review Period (Re-bid) - Replace SS 9, 10, 11 & 12												Award Recommendation - Replace SS 9, 10, 11 & 12												Procurement - Replace SS 9, 10, 11 & 12												Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace SS 9, 10, 11 & 12												Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace SS 9, 10, 11 & 12												Contractor Notice to Proceed (NTP) - Replace SS 9, 10, 11 & 12												Stop Work Order Issued - Replace SS 9, 10, 11 & 12												Construction - Replace SS 9, 10, 11 & 12												Commissioning - Replace SS 9, 10, 11 & 12												Substantial Completion (CD Compliance Date 3/26/21) - Replace SS 9, 10, 11 & 12												Project Closeout - Replace SS 9, 10, 11 & 12												Project Administration - Replace SS 9, 10, 11 & 12												WASD Project Administration - Replace SS 9, 10, 11 & 12																																																																																															
1.11 (1.2) SDWWTP Generator Repairs					2583	25-Oct-16 A	20-Nov-23	Engineering Design - Generator Repairs																								Engineering Design - Generator Repairs												50% Design Submittal - Generator Repairs												90% Design Submittal - Generator Repairs												Develop Project Specifications for Remote Radiator - Generator Repairs												100% Design Submittal - Generator Repairs												Engineering Re-Design (Technical Specs & Drawings) - Generator Repairs												100% Design Review/Permit Ready Submittal - Generator Repairs												Permitting - Generator Repairs												Pre-Purchase Remote Radiators - Generator Repairs												Award Purchase Order - Generator Repairs												Fabricate and Deliver Remote Radiators (Pre-Purchase) - Generator Repairs												Revise Bid Package (Re-bid) - Generator Repairs												Re-Advertise Bid Package - Generator Repairs												Bid Solicitation Period (Re-bid) - Generator Repairs												Bids Due (Re-bid) - Generator Repairs												Bid Review Period (Re-bid) - Generator Repairs												Award Recommendation - Generator Repairs												Final Approvals (BCC, Mayor, Risk Mgmt.) - Generator Repairs												Contractor Notice to Proceed (NTP) - Generator Repairs												Construction - Generator Repairs												Commissioning - Generator Repairs												Substantial Completion (CD Compliance Date 3/26/21) - Generator Repairs												Project Closeout - Generator Repairs												Project Administration - Generator Repairs												WASD Project Administration - Generator Repairs											
1.11 (2) Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2))					1785	24-Oct-17 A	19-Aug-22	Engineering Design - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical																								Engineering Design - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical												Permitting - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical												Procurement - Elect. Feeder Bldg 1 to Effluent PS 1-6 (Project 1.05(2)) - SD General Electrical												Construction - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical												Project Closeout - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical												Project Administration - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical												WASD Project Administration - Elect. Feeder Bldg 1 to Effluent PS Pumps 1-6 (Project 1.05(2)) - SD General Electrical																																																																																																																																																																																																																																			
1.12 Chlorine Contact Chamber					2172	24-Aug-15 A	01-Dec-21 A	Engineering Design - SD Chlorine Contact Chamber																								Engineering Design - SD Chlorine Contact Chamber												EPA Compliance Date for Engineering Design - SD Chlorine Contact Chamber												Permitting - SD Chlorine Contact Chamber												EPA Compliance Date for Permitting - SD Chlorine Contact Chamber												Procurement - SD Chlorine Contact Chamber												EPA Start Date for Procurement - SD Chlorine Contact Chamber												EPA Compliance Date for Procurement - SD Chlorine Contact Chamber												Construction - SD Chlorine Contact Chamber												EPA Start Date for Construction - SD Chlorine Contact Chamber																																																																																																																																																																																																											

Activity ID	Activity Name	Original Duration	Start	Finish	Timeline (2018-2026)																											
					2018	2019	2020	2021	2022	2023	2024	2025	2026																			
SD10370	Construction - SD Chlorine Contact Chamber Struct. Rehab	1686	05-Jan-16 A	05-Apr-21 A	Construction - SD Chlorine Contact Chamber Struct. Rehab																											
SD10530	Substantial Completion (CD Compliance Date 6/18/21) - SD Chlorine Contact Chamber	0		05-Apr-21 A	Substantial Completion (CD Compliance Date 6/18/21) - SD Chlorine Contact Chamber																											
SD42410	EPA Compliance Date for Construction - SD Chlorine Contact Chamber	0		18-Jun-21 A	EPA Compliance Date for Construction - SD Chlorine Contact Chamber																											
Project Administration					Project Administration																											
SD35130	WASD Project Administration - SD Chlorine Contact Chamber	1872	01-Oct-15 A	01-Dec-21 A	WASD Project Administration - SD Chlorine Contact Chamber																											
1.12 (1) Chlorine Contact Chamber Actuator Replacement					1.12 (1) Chlorine Contact Chamber Actuator Replacement																											
Engineering Design					Engineering Design																											
SD41900	Engineering Design - Actuators Technical Data	29	01-Oct-15 A	30-Oct-15 A	Engineering Design - Actuators Technical Data																											
Permitting					Permitting																											
SD43410	Permitting - Actuators	30	01-Oct-15 A	30-Oct-15 A	Permitting - Actuators																											
Procurement					Procurement																											
SD41600	Procurement - Actuators	134	24-Aug-15 A	04-Jan-16 A	Procurement - Actuators																											
Construction					Construction																											
SD41630	Construction - Actuators (inc. Electrical)	32	05-Jan-16 A	05-Jun-18 A	Construction - Actuators (inc. Electrical)																											
SD44540	Substantial Completion - Actuators (inc. Electrical)	0		05-Jun-18 A	Substantial Completion - Actuators (inc. Electrical)																											
SD44550	Project Closeout - Actuators (inc. Electrical)	90	06-Jun-18 A	01-Jul-18 A	Project Closeout - Actuators (inc. Electrical)																											
Project Administration					Project Administration																											
SD44190	WASD Project Administration - Actuators (inc. Electrical)	792	01-Oct-15 A	01-Jun-18 A	WASD Project Administration - Actuators (inc. Electrical)																											
1.12 (2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement					1.12 (2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement																											
Pre-Design					Pre-Design																											
SD42720	Pre-Design - Structural Rehab	234	05-Jul-16 A	23-Feb-17 A	Pre-Design - Structural Rehab																											
Engineering Design					Engineering Design																											
SD43750	Engineering Design Contact Chambers #1-4 - Structural Rehab	145	24-Feb-17 A	18-Jul-17 A	Engineering Design Contact Chambers #1-4 - Structural Rehab																											
Procurement					Procurement																											
SD44060	Requisition Sent to Procurement - Sluice Gates	0	28-Jul-17 A		Requisition Sent to Procurement - Sluice Gates																											
SD44130	Request to Advertise - Sluice Gates	11	28-Jul-17 A	07-Aug-17 A	Request to Advertise - Sluice Gates																											
SD44070	Advertise - Sluice Gates	0	08-Aug-17 A		Advertise - Sluice Gates																											
SD44080	Bid Solicitation Period - Sluice Gates	17	08-Aug-17 A	24-Aug-17 A	Bid Solicitation Period - Sluice Gates																											
SD44090	Bids Due - Sluice Gates	0	25-Aug-17 A		Bids Due - Sluice Gates																											
SD44100	Bid Review Period - Sluice Gates	12	25-Aug-17 A	05-Sep-17 A	Bid Review Period - Sluice Gates																											
SD44110	Award Recommendation - Sluice Gates	0		05-Sep-17 A	Award Recommendation - Sluice Gates																											
SD43830	Procurement - Sluice Gates (Summary)	60	28-Jul-17 A	25-Sep-17 A	Procurement - Sluice Gates (Summary)																											
SD44120	Final Approval - Sluice Gates	27	06-Sep-17 A	02-Oct-17 A	Final Approval - Sluice Gates																											
SD42810	Procurement Contact Chamber #1 - Structural Rehab	35	20-Oct-17 A	12-Dec-17 A	Procurement Contact Chamber #1 - Structural Rehab																											
SD41620	Procurement Contact Chamber #4 - Structural Rehab	148	15-May-19 A	31-Oct-19 A	Procurement Contact Chamber #4 - Structural Rehab																											
SD42790	Procurement Contact Chamber #3 - Structural Rehab	148	15-May-19 A	31-Oct-19 A	Procurement Contact Chamber #3 - Structural Rehab																											
SD41610	Procurement - Chlorine Contact Chamber	1111	28-Jul-17 A	29-Nov-20 A	Procurement - Chlorine Contact Chamber																											
SD42800	Procurement Contact Chamber #2 - Structural Rehab	185	01-Apr-20 A	29-Nov-20 A	Procurement Contact Chamber #2 - Structural Rehab																											
Construction					Construction																											
SD42840	Construction Contact Chamber #1 - Structural Rehab	105	13-Dec-17 A	05-Jun-18 A	Construction Contact Chamber #1 - Structural Rehab																											
SD43850	Construction - Sluice Gates	232	03-Oct-17 A	29-Nov-18 A	Construction - Sluice Gates																											
SD41650	Construction Contact Chamber #4 - Structural Rehab	135	01-Nov-19 A	09-Jul-20 A	Construction Contact Chamber #4 - Structural Rehab																											
SD42820	Construction Contact Chamber #3 - Structural Rehab	135	01-Nov-19 A	09-Jul-20 A	Construction Contact Chamber #3 - Structural Rehab																											
SD41640	Construction - Chlorine Contact Chamber	1018	03-Oct-17 A	05-Apr-21 A	Construction - Chlorine Contact Chamber																											
SD42830	Construction Contact Chamber #2 - Structural Rehab	105	30-Nov-20 A	05-Apr-21 A	Construction Contact Chamber #2 - Structural Rehab																											
SD44530	Substantial Completion (CD Compliance Date 6/18/21) - Structural Rehab	0		05-Apr-21 A	Substantial Completion (CD Compliance Date 6/18/21) - Structural Rehab																											
SD40110	Project Closeout - Structural Rehab	90	06-Apr-21 A	01-Dec-21 A	Project Closeout - Structural Rehab																											
Project Administration					Project Administration																											
SD44200	WASD Project Administration - SD Chlorine Contact Chamber	1360	24-Feb-17 A	01-Dec-21 A	WASD Project Administration - SD Chlorine Contact Chamber																											
2. Central District WWTP					2. Central District WWTP																											
2.01 Miscellaneous Electrical Improvements					2.01 Miscellaneous Electrical Improvements																											
Engineering Design					Engineering Design																											
CD82340	EPA Start Date for Engineering Design - CD Misc. Elect. Improvements	0	01-Jan-17 A		EPA Start Date for Engineering Design - CD Misc. Elect. Improvements																											
CD42420	EPA Compliance Date for Engineering Design - CD Misc. Elect. Improvements	0		31-Dec-17 A	EPA Compliance Date for Engineering Design - CD Misc. Elect. Improvements																											
CD10160	Engineering Design - CD Misc. Elect. Improvements	1335	11-Jun-14 A	02-May-19 A	Engineering Design - CD Misc. Elect. Improvements																											
Permitting					Permitting																											
CD82350	EPA Start Date for Permitting - CD Misc. Elect. Improvements	0	21-Jun-17 A		EPA Start Date for Permitting - CD Misc. Elect. Improvements																											
CD42430	EPA Compliance Date for Permitting - CD Misc. Elect. Improvements	0		20-Jun-18 A	EPA Compliance Date for Permitting - CD Misc. Elect. Improvements																											
CD10330	Permitting - CD Misc. Elect. Improvements	704	18-Dec-15 A	30-Nov-19 A	Permitting - CD Misc. Elect. Improvements																											
Procurement					Procurement																											
CD82360	EPA Start Date for Procurement - CD Misc. Elect. Improvements	0	21-Jun-18 A		EPA Start Date for Procurement - CD Misc. Elect. Improvements																											
CD42440	EPA Compliance Date for Procurement - CD Misc. Elect. Improvements	0		20-Jun-19 A	EPA Compliance Date for Procurement - CD Misc. Elect. Improvements																											
CD10560	Procurement - CD Misc. Elect. Improvements	1197	24-Jul-15 A	10-May-20 A	Procurement - CD Misc. Elect. Improvements																											
Construction					Construction																											
CD82370	EPA Start Date for Construction - CD Misc. Elect. Improvements	0	21-Jun-19 A		EPA Start Date for Construction - CD Misc. Elect. Improvements																											
CD42450	EPA Compliance Date for Construction - CD Misc. Elect. Improvements	0		14-Jun-21 A	EPA Compliance Date for Construction - CD Misc. Elect. Improvements																											
CD10810	Construction - CD Misc. Elect. Improvements	1261	29-Jan-16 A	31-Oct-22	Construction - CD Misc. Elect. Improvements																											
CD10960	Substantial Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements	0		31-Oct-22	Substantial Completion (CD Compliance Date 6/14/21) - CD Misc. Elect. Improvements																											
Project Administration					Project Administration																											
CD33930	WASD Project Administration - CD Misc. Elect. Improvements	1618	01-Oct-15 A	24-Oct-22	WASD Project Administration - CD Misc. Elect. Improvements																											
2.01 (1) Substations 1 & 2					2.01 (1) Substations 1 & 2																											
Engineering Design					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					Permitting																											
CD40900	Permitting Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements	71	18-Dec-15 A	26-Feb-16 A	Permitting Substations 1 & 2 (WASD) - CD Misc. Elect. Improvements																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024				2025		2026	
					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					66	24-Jul-15 A	28-Sep-15 A																											
CD40980	Procurement Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	67	24-Jul-15 A	28-Sep-15 A																														
Construction					97	29-Jan-16 A	05-May-16 A																											
CD40280	Construction - Substations 1 & 2 (WASD) - CDMisc. Elect.Improvements	98	29-Jan-16 A	05-May-16 A																														
Project Administration					286	24-Jul-15 A	05-May-16 A																											
CD85030	WASD Project Administration - Substations 1 & 2 (WASD) - CD Misc. Elect.Improvements	287	24-Jul-15 A	05-May-16 A																														
2.01 (2) Substations 3, 4A, 4B, 5 & 6 (Project 2.27(2))					1631	13-Apr-15 A	23-Sep-19 A																											
Engineering Design					733	13-Apr-15 A	14-Apr-17 A																											
CD70450	Engineering Design Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	733	13-Apr-15 A	14-Apr-17 A																														
Procurement					314	05-Jun-17 A	18-Dec-18 A																											
CD70470	Procurement Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	314	05-Jun-17 A	18-Dec-18 A																														
Construction					0	23-Sep-19 A	23-Sep-19 A																											
CD70480	Child Project Deleted (Scope considered under CD 2.27 (2))	0																																
Project Administration					1552	13-Apr-15 A	23-Sep-19 A																											
CD85040	WASD Project Administration - 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	1552	13-Apr-15 A	23-Sep-19 A																														
2.01 (3) Substations 9 & 10 (Project 2.10(1))					1595	11-Mar-16 A	31-Oct-22																											
Engineering Design					327	11-Mar-16 A	01-Feb-17 A																											
CD40850	Engineering Design Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	328	11-Mar-16 A	01-Feb-17 A																														
Permitting					476	18-Jul-16 A	22-May-18 A																											
CD40930	Permitting Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	476	18-Jul-16 A	22-May-18 A																														
Procurement					270	27-Nov-17 A	29-Nov-18 A																											
CD41010	Procurement Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	270	27-Nov-17 A	29-Nov-18 A																														
Construction					570	06-Dec-18 A	31-Oct-22																											
CD40760	Construction Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	570	06-Dec-18 A	31-Oct-22																														
Project Administration					1226	11-Mar-16 A	31-Oct-22																											
CD85050	WASD Project Administration - 9 & 10 (2.10) - CD Misc. Elect.Improvements	1226	11-Mar-16 A	31-Oct-22																														
2.01 (4) Substations 11 & 12 (Project 2.11)					1547	24-Aug-16 A	01-Jul-21 A																											
Engineering Design					296	24-Aug-16 A	16-Jun-17 A																											
CD40860	Engineering Design Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	297	24-Aug-16 A	16-Jun-17 A																														
Permitting					152	22-Jun-17 A	27-Feb-18 A																											
CD40940	Permitting Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	152	22-Jun-17 A	27-Feb-18 A																														
Procurement					236	07-Mar-18 A	04-Aug-19 A																											
CD41020	Procurement Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	236	07-Mar-18 A	04-Aug-19 A																														
Construction					440	05-Aug-19 A	01-Jul-21 A																											
CD40740	Construction Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	440	05-Aug-19 A	01-Jul-21 A																														
Project Administration					1051	24-Aug-16 A	01-Jul-21 A																											
CD85060	WASD Project Administration - 11 & 12 (2.11) - CD Misc. Elect.Improvements	1051	24-Aug-16 A	01-Jul-21 A																														
2.01 (5) Substations 15 & 16 (Project 2.15(1))					1413	11-Jun-14 A	23-Sep-21 A																											
Engineering Design					475	11-Jun-14 A	29-Sep-15 A																											
CD40880	Engineering Design Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	476	11-Jun-14 A	29-Sep-15 A																														
Permitting					329	30-Sep-15 A	24-Aug-16 A																											
CD40960	Permitting Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	330	30-Sep-15 A	24-Aug-16 A																														
Procurement					198	15-Apr-16 A	30-Oct-16 A																											
CD41040	Procurement Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	199	15-Apr-16 A	30-Oct-16 A																														
Construction					540	31-Oct-16 A	23-Sep-21 A																											
CD40750	Construction - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	540	31-Oct-16 A	23-Sep-21 A																														
Project Administration					1413	11-Jun-14 A	23-Sep-21 A																											
CD85070	WASD Project Administration - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	1413	11-Jun-14 A	23-Sep-21 A																														
2.01 (6) Substations 17 & 18 (Project 2.19(2a))					1437	04-Jun-15 A	04-Oct-19 A																											
Engineering Design					456	04-Jun-15 A	02-Sep-16 A																											
CD40890	Engineering Design Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	457	04-Jun-15 A	02-Sep-16 A																														
Permitting					408	10-May-16 A	22-Jun-17 A																											
CD40970	Permitting Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	409	10-May-16 A	22-Jun-17 A																														
Procurement					293	16-Sep-16 A	06-Jul-17 A																											
CD41050	Procurement Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	294	16-Sep-16 A	06-Jul-17 A																														
Construction					660	20-Jul-17 A	04-Oct-19 A																											
CD40770	Construction Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	660	20-Jul-17 A	04-Oct-19 A																														
Project Administration					1437	04-Jun-15 A	04-Oct-19 A																											
CD85080	WASD Project Administration - 17 & 18 (2.19) - CD Misc. Elect.Improvements	1437	04-Jun-15 A	04-Oct-19 A																														
2.01 (7) Substations 7A, 8A, 9A, & 10A					4120	17-Oct-16 A	24-Oct-22																											
Pre-Design					229	17-Oct-16 A	17-Sep-18 A																											
CD85410	Pre-Design (TM) - Substations 7A, 8A, 9A, & 10A	97	17-Oct-16 A	09-Aug-17 A																														
CD85420	Pre-Design (Remaining Scope of Work) - Substations 7A, 8A, 9A, & 10A	150	23-Dec-17 A	17-Sep-18 A																														
Engineering Design					632	09-Aug-17 A	02-May-19 A																											
CD85430	Draft Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	97	09-Aug-17 A	27-Nov-17 A																														
CD85440	Final Technical Memo Submittal - Substations 7A, 8A, 9A, & 10A	30	28-Nov-17 A	22-Dec-17 A																														
CD85830	Basis of Design Report (BODR) - Substations 7A, 8A, 9A, & 10A	45	19-Sep-18 A	19-Nov-18 A																														
CD85840	Review/Revise BODR - Substations 7A, 8A, 9A, & 10A	18	20-Nov-18 A	07-Dec-18 A																														
CD85450	60% Design Submittal - Substations 7A, 8A, 9A, & 10A	52	08-Dec-18 A	28-Jan-19 A																														
CD85460	60% Design Review - Substations 7A, 8A, 9A, & 10A	15	29-Jan-19 A	22-Feb-19 A																														
CD85470	100% Design Submittal - Substations 7A, 8A, 9A, & 10A	33	25-Feb-19 A	12-Mar-19 A																														
CD40840	Engineering Design - Substations 7A, 8A, 9A, & 10A	180	09-Aug-17 A	02-May-19 A																														
CD85480	100% Design Review/Permit Ready Submittal - Substations 7A, 8A, 9A, & 10A	21	13-Mar-19 A	02-May-19 A																														
Permitting					180	18-Apr-19 A	30-Nov-19 A																											
CD40920	Permitting - Substations 7A, 8A, 9A, & 10A	180	18-Apr-19 A	30-Nov-19 A																														
Procurement					239	23-Aug-19 A	10-May-20 A																											
CD85590	Design Documents to Procurement - Substations 7A, 8A, 9A, & 10A	0	23-Aug-19 A																															

Main project schedule table with columns for Activity ID, Activity Name, Original Duration, Start, Finish, and quarterly progress from 2018 to 2026. Includes various project phases like Engineering Design, Permitting, Procurement, Construction, and Project Administration.

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024		2025		2026	
					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
Project Administration					15-Nov-18 A, Project Administration																											
CD33940	WASD Project Administration - CD Administration Building	1363	26-Mar-14 A	15-Nov-18 A	WASD Project Administration - CD Administration Building																											
2.02 (1)c CD Misc. Roof Improvements					15-Nov-18 A, Project Administration																											
Procurement					26-Jul-18 A, Engineering Design																											
CD30070	Procurement - CD Misc. Roof Repairs	478	31-Jan-15 A	23-May-16 A	Roof Repairs																											
Construction					14-Feb-22 A, 2.02 (2) Remodel Bathrooms, Locker Rooms & Showers																											
CD30020	Switchgear Building Roof Repairs - CD Misc. Roof Repairs	47	11-Apr-15 A	27-May-15 A	Construction - CD Misc. Roof Repairs																											
CD33670	Construction - CD Misc. Roof Repairs	557	11-Apr-15 A	19-Oct-16 A	Repairs - CD Misc. Roof Repairs																											
CD30030	Maintenance Building Roof Repairs - CD Misc. Roof Repairs	47	11-Apr-15 A	27-May-15 A	Construction - CD Misc. Roof Repairs																											
CD30040	Maintenance Building Roof Repairs - CD Misc. Roof Repairs	558	11-Apr-15 A	19-Oct-16 A	Repairs - CD Misc. Roof Repairs																											
CD30040	Operation & Control Building Roof Repairs - CD Misc. Roof Repairs	150	23-May-16 A	19-Oct-16 A	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	Roof Repairs - CD Misc. Roof Repairs																											
Project Administration					14-Feb-22 A, 2.02 (2) Remodel Bathrooms, Locker Rooms & Showers																											
CD85110	WASD Project Administration - CD Misc. Roof Repairs	627	31-Jan-15 A	19-Oct-16 A	Roof Repairs - CD Misc. Roof Repairs																											
CD85110	WASD Project Administration - CD Misc. Roof Repairs	628	31-Jan-15 A	19-Oct-16 A	Roof Repairs - CD Misc. Roof Repairs																											
2.02 (2) Remodel Bathrooms, Locker Rooms & Showers					14-Feb-22 A, 2.02 (2) Remodel Bathrooms, Locker Rooms & Showers																											
Pre-Design					14-Feb-22 A, 2.02 (2) Remodel Bathrooms, Locker Rooms & Showers																											
CD11242	Pre-Design - CD Misc. Building Improvements	176	19-Dec-14 A	13-Jun-15 A	Pre-Design - CD Misc. Building Improvements																											
CD11242	Pre-Design - CD Misc. Building Improvements	177	19-Dec-14 A	13-Jun-15 A	Pre-Design - CD Misc. Building Improvements																											
Engineering Design					14-Feb-22 A, 2.02 (2) Remodel Bathrooms, Locker Rooms & Showers																											
CD32480	Engineering Design Phase I - CD Misc. Building Improvements	1133	14-Jun-15 A	26-Jul-18 A	Engineering Design																											
CD11104	Negotiate Phase II Design - CD Misc. Building Improvements	44	14-Jun-15 A	27-Jul-15 A	Engineering Design																											
CD11102	Engineering Design (Summary) - CD Misc. Building Improvements	51	27-Jul-15 A	15-Sep-15 A	Engineering Design																											
CD32490	Engineering Design Phase II - CD Misc. Building Improvements	0	14-Jun-15 A	22-Dec-15 A	Engineering Design																											
CD32490	Engineering Design Phase II - CD Misc. Building Improvements	98	16-Sep-15 A	22-Dec-15 A	Engineering Design																											
CD85860	100% NFC Draft Submittal - CD Misc. Building Improvements	28	16-Apr-18 A	15-May-18 A	100% NFC Draft Submittal - CD Misc. Building Improvements																											
CD85880	100% NFC Review - CD Misc. Building Improvements	7	17-May-18 A	24-May-18 A	100% NFC Review - CD Misc. Building Improvements																											
CD85890	100% Permit Ready Submittal - CD Misc. Building Improvements	21	25-May-18 A	26-Jul-18 A	100% Permit Ready Submittal - CD Misc. Building Improvements																											
Permitting					12-Apr-19 A, Permitting																											
CD11112	Permitting - CD Misc. Building Improvements	997	05-May-16 A	12-Apr-19 A	Permitting - CD Misc. Building Improvements																											
CD80380	COM Permit - CD Misc. Building Improvements	50	05-May-16 A	23-Jun-16 A	Permitting - CD Misc. Building Improvements																											
CD80370	RER DERM Permit - CD Misc. Building Improvements	49	06-May-16 A	23-Jun-16 A	Permitting - CD Misc. Building Improvements																											
CD85910	Dry-Run Permit - CD Misc. Building Improvements	15	09-Jun-16 A	23-Jun-16 A	Permitting - CD Misc. Building Improvements																											
CD85910	Dry-Run Permit - CD Misc. Building Improvements	180	27-Jul-18 A	12-Apr-19 A	Permitting - CD Misc. Building Improvements																											
Procurement					14-Apr-19 A, Procurement																											
CD30340	Design Documents Sent to Procurement - CD Misc. Building Improvements	1116	23-Jun-16 A	14-Apr-19 A	Procurement - CD Misc. Building Improvements																											
CD30350	Submit/Approve SBD Goals and Request to Advertise - CD Misc. Building Improvements	0	22-Aug-16 A	28-Aug-16 A	Procurement - CD Misc. Building Improvements																											
CD30360	Submit/Approve SBD Goals and Request to Advertise - CD Misc. Building Improvements	7	22-Aug-16 A	28-Aug-16 A	Procurement - CD Misc. Building Improvements																											
CD30360	Advertise Bid Package - CD Misc. Building Improvements	0	29-Aug-16 A		Procurement - CD Misc. Building Improvements																											
CD30370	Bid Solicitation Period - CD Misc. Building Improvements	0	29-Aug-16 A	18-Oct-16 A	Procurement - CD Misc. Building Improvements																											
CD30380	Bid Solicitation Period - CD Misc. Building Improvements	51	29-Aug-16 A	18-Oct-16 A	Procurement - CD Misc. Building Improvements																											
CD30380	Bids Due - CD Misc. Building Improvements	0	18-Oct-16 A		Procurement - CD Misc. Building Improvements																											
CD30390	Bid Review Period - CD Misc. Building Improvements	0	18-Oct-16 A	26-Oct-16 A	Procurement - CD Misc. Building Improvements																											
CD30400	Bid Review Period - CD Misc. Building Improvements	9	18-Oct-16 A	26-Oct-16 A	Procurement - CD Misc. Building Improvements																											
CD30400	Award Recommendation - CD Misc. Building Improvements	0	26-Oct-16 A		Procurement - 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	Procurement - CD Misc. Building Improvements																											
CD85930	100% Bid Ready - CD Misc. Building Improvements	22	23-Oct-18 A	13-Nov-18 A	100% Bid Ready - CD Misc. Building Improvements																											
CD86420	Procurement (Re-bid) - CD Misc. Building Improvements	210	14-Nov-18 A	14-Apr-19 A	Procurement (Re-bid) - CD Misc. Building Improvements																											
Construction					14-Feb-22 A, Construction																											
CD30420	Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements	1179	18-Jan-17 A	14-Feb-22 A	Construction																											
CD11132	Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements	0	18-Jan-17 A		Construction																											
CD85940	Construction Activities Stopped - CD Misc. Building Improvements	337	18-Jan-17 A	31-Oct-17 A	Construction																											
CD85940	Construction Activities Stopped - CD Misc. Building Improvements	0	18-Jan-17 A	31-Oct-17 A	Construction																											
CD87190	Milestone #1 Substantial Completion Bldg #2 - CD Misc. Building Improvements	0	10-Jan-20 A		Milestone #1 Substantial Completion Bldg #2 - CD Misc. Building Improvements																											
CD85920	Construction - CD Misc. Building Improvements	0	15-Apr-19 A	17-Jan-20 A	Construction - CD Misc. Building Improvements																											
CD11142	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements	180	15-Apr-19 A	17-Jan-20 A	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements																											
CD11142	Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements	0	17-Jan-20 A		Substantial Completion (CD Compliance Date 9/26/19) - CD Misc. Building Improvements																											
CD40020	Project Closeout - CD Misc. Building Improvements	60	18-Jan-20 A	14-Feb-22 A	Project Closeout - CD Misc. Building Improvements																											
Project Administration					14-Feb-22 A, Project Administration																											
CD33950	WASD Project Administration - CD Misc. Building Improvements	981	14-Jun-15 A	14-Feb-22 A	Project Administration																											
CD33950	WASD Project Administration - CD Misc. Building Improvements	981	14-Jun-15 A	14-Feb-22 A	Project Administration																											
2.03 Headworks/Grit Basin Plant 1					30-Aug-22, 2.03 Headworks/Grit Basin Plant 1																											
Pre-Design					30-Aug-22, 2.03 Headworks/Grit Basin Plant 1																											
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																											
CD20000	Pre-Design - CD Headworks/Grit Basin Plant 1	123	05-Jun-14 A	05-Oct-14 A	Pre-Design - CD Headworks/Grit Basin Plant 1																											
Engineering Design					30-Aug-22, 2.03 Headworks/Grit Basin Plant 1																											
CD82420	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	514	01-Sep-14 A	28-Jan-16 A	Engineering Design																											
CD20040	Technical Memo #1 - CD Headworks/Grit Basin Plant 1	0	01-Sep-14 A		Engineering Design																											
CD20050	Technical Memo #2 - CD Headworks/Grit Basin Plant 1	0	27-Oct-14 A		Engineering Design																											
CD30090	Draft BODR Issued - CD Headworks/Grit Basin Plant 1	0	08-Dec-14 A		Engineering Design																											
CD30090	Draft BODR Issued - CD Headworks/Grit Basin Plant 1	0	31-Mar-15 A		Engineering Design																											
CD20020	Basis of Design Report - CD Headworks/Grit Basin Plant 1	136	24-Nov-14 A	08-Apr-15 A	Engineering Design																											
CD20060	Negotiate Final Design - CD Headworks/Grit Basin Plant 1	108	09-Feb-15 A	27-May-15 A	Engineering Design																											
CD30270	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 1	0	27-May-15 A		Engineering Design																											
CD30280	Procurement Contract Modification - CD Headworks/Grit Basin Plant 1	1	17-Jun-15 A	17-Jun-15 A	Engineering Design																											
CD32520	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1	31	17-Jun-15 A	17-Jul-15 A	Engineering Design																											
CD21110	60% Design Submittal - CD Headworks/Grit Basin Plant 1	52	17-Jun-15 A	07-Aug-15 A	Engineering Design																											
CD21120	60% Design Review - CD Headworks/Grit Basin Plant 1	12	10-Aug-15 A	21-Aug-15 A	Engineering Design																											
CD20030	100% Design Submittal - CD Headworks/Grit Basin Plant 1	120	21-Aug-15 A	18-Dec-15 A	Engineering Design																											
CD80390	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	0	05-Jan-16 A		Engineering Design																											
CD10050	Engineering Design - CD Headworks/Grit Basin Plant 1	431	24-Nov-14 A	28-Jan-16 A	Engineering Design																											
CD40320	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 1	41	19-Dec-15 A	28-Jan-16 A	Engineering Design																											
Permitting					05-Aug-16 A																											
CD80400	EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 1**	732	04-Aug-14 A	05-Aug-16 A	Permitting																											
CD82430	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 1**	0	04-Aug-14 A		Permitting																											
CD10220	Permitting - CD Headworks/Grit Basin Plant 1	0	01-Jun-16 A		Permitting																											
CD10220	Permitting - CD Headworks/Grit Basin Plant 1	191	28-Jan-16 A	05-Aug-16 A	Permitting																											
CD80030	City of Miami Building Permit - CD Headworks/Grit Basin Plant 1	190	29-Jan-16 A	05-Aug-16 A	Permitting																											
Procurement					09-Jun-17 A																											
CD80030	City of Miami Building Permit - CD Headworks/Grit Basin Plant 1	659	21-Aug-15 A	09-Jun-17 A	Procurement																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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
CD32870	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1	70	21-Aug-15 A	29-Oct-15 A																																				
CD32880	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 1	0	30-Oct-15 A																																					
CD82440	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 1	0	06-Jan-16 A																																					
CD32890	Vendor Bid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 1	98	30-Oct-15 A	04-Feb-16 A																																				
CD32900	Vendor NTP (Screening Equipment) - CD Headworks/Grit Basin Plant 1	0		04-Feb-16 A																																				
CD30430	Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 1	0	07-Mar-16 A																																					
CD30440	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 1	67	28-Mar-16 A	02-Jun-16 A																																				
CD30450	Advertise Bid Package - CD Headworks/Grit Basin Plant 1	0	03-Jun-16 A																																					
CD30460	Bid Solicitation Period - CD Headworks/Grit Basin Plant 1	46	03-Jun-16 A	18-Jul-16 A																																				
CD30470	Bids Due - CD Headworks/Grit Basin Plant 1	0	19-Jul-16 A																																					
CD30480	Bid Review Period - CD Headworks/Grit Basin Plant 1	14	19-Jul-16 A	01-Aug-16 A																																				
CD30490	Award Recommendation - CD Headworks/Grit Basin Plant 1	0		01-Aug-16 A																																				
CD30500	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 1	7	02-Aug-16 A	08-Aug-16 A																																				
CD10230	Procurement - CD Headworks/Grit Basin Plant 1	176	07-Mar-16 A	29-Aug-16 A																																				
CD82220	P.O. Issued - CD Headworks/Grit Basin Plant 1	0		29-Aug-16 A																																				
CD81830	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 1	0		16-Oct-16 A																																				
CD30080	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 1	455	21-Aug-15 A	17-Nov-16 A																																				
CD32910	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 1	288	04-Feb-16 A	17-Nov-16 A																																				
CD32820	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 1	28	21-Oct-16 A	17-Nov-16 A																																				
CD32840	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 1	88	18-Nov-16 A	13-Feb-17 A																																				
CD32850	Vendor NTP (RTUs) - CD Headworks/Grit Basin Plant 1	0		13-Feb-17 A																																				
CD32510	Owner Pre-purchase RTUs - CD Headworks/Grit Basin Plant 1	232	21-Oct-16 A	09-Jun-17 A																																				
CD32860	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 1	116	14-Feb-17 A	09-Jun-17 A																																				
Construction		1357	18-Dec-15 A	30-Aug-22																																				
CD40300	Install Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 1	147	18-Dec-15 A	12-May-16 A																																				
CD10458	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 1	0	30-Aug-16 A																																					
CD82450	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 1	0	17-Oct-16 A																																					
CD40790	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 1	410	30-Aug-16 A	07-Mar-19 A																																				
CD10460	Construction - CD Headworks/Grit Basin Plant 1	410	30-Aug-16 A	07-Mar-19 A																																				
CD86220	Commissioning - CD Headworks/Grit Basin Plant 1	45	12-Dec-18 A	07-Mar-19 A																																				
CD10920	Substantial Completion (CD Compliance Date 3/16/19) - CD Headworks/Grit Basin Plant 1	0		07-Mar-19 A																																				
CD81840	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 1	0		16-Mar-19 A																																				
CD40030	Project Closeout - CD Headworks/Grit Basin Plant 1	150	08-Mar-19 A	30-Aug-22																																				
Project Administration		1145	24-Nov-14 A	30-Aug-22																																				
CD33960	WASD Project Administration - CD Headworks/Grit Basin Plant 1	1145	24-Nov-14 A	30-Aug-22																																				
2.04 Headworks/Grit Basin Plant 2		2078	05-Jun-14 A	30-Aug-22																																				
Pre-Design		122	05-Jun-14 A	05-Oct-14 A																																				
CD20010	Pre-Design - CD Headworks/Grit Basin Plant 2	123	05-Jun-14 A	05-Oct-14 A																																				
Engineering Design		536	01-Sep-14 A	19-Feb-16 A																																				
CD82460	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 2	0	01-Sep-14 A																																					
CD20080	Technical Memo #1 - CD Headworks/Grit Basin Plant 2	0	27-Oct-14 A																																					
CD20090	Technical Memo #2 - CD Headworks/Grit Basin Plant 2	0	08-Dec-14 A																																					
CD30290	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 2	0	08-Dec-14 A																																					
CD20070	Basis of Design Report - CD Headworks/Grit Basin Plant 2	136	24-Nov-14 A	08-Apr-15 A																																				
CD20100	Negotiate Final Design - CD Headworks/Grit Basin Plant 2	108	09-Feb-15 A	27-May-15 A																																				
CD32530	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 2	31	17-Jun-15 A	17-Jul-15 A																																				
CD21150	60% Design Submittal - CD Headworks/Grit Basin Plant 2	52	17-Jun-15 A	07-Aug-15 A																																				
CD21160	60% Design Review - CD Headworks/Grit Basin Plant 2	12	10-Aug-15 A	21-Aug-15 A																																				
CD20110	100% Design Submittal - CD Headworks/Grit Basin Plant 2	120	21-Aug-15 A	18-Dec-15 A																																				
CD10040	Engineering Design - CD Headworks/Grit Basin Plant 2	431	24-Nov-14 A	28-Jan-16 A																																				
CD40330	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 2	42	18-Dec-15 A	28-Jan-16 A																																				
CD81850	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 2	0		19-Feb-16 A																																				
Permitting		520	04-Mar-15 A	05-Aug-16 A																																				
CD82470	EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 2**	0	04-Mar-15 A																																					
CD81860	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 2**	0		18-Jun-16 A																																				
CD10200	Permitting - CD Headworks/Grit Basin Plant 2	190	29-Jan-16 A	05-Aug-16 A																																				
CD80040	City of Miami Building Permit - CD Headworks/Grit Basin Plant 2	190	29-Jan-16 A	05-Aug-16 A																																				
Procurement		792	17-Jun-15 A	16-Aug-17 A																																				
CD30300	Procurement Contract Modification - CD Headworks/Grit Basin Plant 2	1	17-Jun-15 A	17-Jun-15 A																																				
CD31331	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	70	21-Aug-15 A	29-Oct-15 A																																				
CD31371	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	0	30-Oct-15 A																																					
CD31381	Vendor Bid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 2	91	30-Oct-15 A	28-Jan-16 A																																				
CD31431	Vendor NTP (Screening Equipment) - CD Headworks/Grit Basin Plant 2	0		29-Jan-16 A																																				
CD82480	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 2	0	03-Mar-16 A																																					
CD30520	Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 2	0	07-Mar-16 A																																					
CD30530	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 2	96	28-Mar-16 A	01-Jul-16 A																																				
CD30540	Advertise Bid Package - CD Headworks/Grit Basin Plant 2	0	02-Jul-16 A																																					
CD30550	Bid Solicitation Period - CD Headworks/Grit Basin Plant 2	17	02-Jul-16 A	18-Jul-16 A																																				
CD30560	Bids Due - CD Headworks/Grit Basin Plant 2	0	19-Jul-16 A																																					
CD30570	Bid Review Period - CD Headworks/Grit Basin Plant 2	14	19-Jul-16 A	01-Aug-16 A																																				
CD30580	Award Recommendation - CD Headworks/Grit Basin Plant 2	0		01-Aug-16 A																																				
CD30590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 2	7	02-Aug-16 A	08-Aug-16 A																																				
CD10210	Procurement - CD Headworks/Grit Basin Plant 2	176	07-Mar-16 A	29-Aug-16 A																																				
CD82230	P.O. Issued - CD Headworks/Grit Basin Plant 2	0		29-Aug-16 A																																				

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																											
					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		
CD31321	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 2	28	21-Oct-16 A	17-Nov-16 A																												
CD31351	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 2	88	18-Nov-16 A	13-Feb-17 A																												
CD31391	Vendor NTP (RTUs) - CD Headworks/Grit Basin Plant 2	0		13-Feb-17 A																												
CD81870	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 2	0		02-Mar-17 A																												
CD30100	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 2	658	17-Jun-15 A	04-Apr-17 A																												
CD31441	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 2	432	29-Jan-16 A	04-Apr-17 A																												
CD32550	Owner Pre-purchase RTUs - CD Headworks/Grit Basin Plant 2	300	21-Oct-16 A	16-Aug-17 A																												
CD31401	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 2	184	14-Feb-17 A	16-Aug-17 A																												
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																												
CD10448	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 2	0	30-Aug-16 A																													
CD82490	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 2	0	03-Mar-17 A																													
CD10450	Construction - CD Headworks/Grit Basin Plant 2	560	08-Dec-15 A	13-Aug-19 A																												
CD40800	02/	560	30-Aug-16 A	13-Aug-19 A																												
CD86230	Commissioning - CD Headworks/Grit Basin Plant 2	127	29-Apr-19 A	13-Aug-19 A																												
CD10750	Substantial Completion (CD Compliance Date 8/23/19) - CD Headworks/Grit Basin Plant 2	0		13-Aug-19 A																												
CD81880	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2	0		23-Aug-19 A																												
CD40040	Project Closeout - CD Headworks/Grit Basin Plant 2	150	14-Aug-19 A	30-Aug-22																												
Project Administration																																
CD33970	WASD Project Administration - CD Headworks/Grit Basin Plant 2	1295	24-Nov-14 A	30-Aug-22																												
2.05 Oxygenation Trains Plant 1																																
Pre-Design																																
CD81230	Pre-Design - CD Oxygenation Trains Plant 1	230	05-Jul-16 A	20-Feb-17 A																												
Engineering Design																																
CD80260	Engineering Design (Mixers) - CD Oxygenation Trains Plant 1	231	05-Jul-16 A	20-Feb-17 A																												
CD84540	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 1	0	01-Jun-14 A	02-Sep-14 A																												
CD80470	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 1**	0		02-Sep-14 A																												
CD10150	Engineering Design - CD Oxygenation Trains Plant 1	2357	01-Mar-11 A	12-Aug-17 A																												
CD80280	Engineering Design (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1	173	21-Feb-17 A	12-Aug-17 A																												
Permitting																																
CD10240	Permitting - CD Oxygenation Trains Plant 1	1647	01-Mar-11 A	02-Sep-15 A																												
CD84550	EPA Start Date for Permitting - CD Oxygenation Trains Plant 1	0	03-Sep-14 A																													
CD80480	EPA Compliance Date for Permitting - CD Oxygenation Trains Plant 1	0		02-Sep-15 A																												
Procurement																																
CD80270	Procurement (Mixers) - CD Oxygenation Trains Plant 1	2434	03-May-11 A	13-Feb-18 A																												
CD81250	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 1	147	03-May-11 A	26-Sep-11 A																												
CD80490	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 1	88	17-Jan-17 A	14-Apr-17 A																												
CD10490	Procurement - CD Oxygenation Trains Plant 1	0		14-Dec-17 A																												
CD80290	Procurement (Structural Rehab Train #3) - CD Oxygenation Trains Plant 1	2388	03-May-11 A	13-Feb-18 A																												
Construction																																
CD12151	Installation of Mixers Trains #2 & 3 - CD Oxygenation Trains Plant 1	93	14-Aug-17 A	13-Feb-18 A																												
CD10720	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1	1975	02-Dec-13 A	12-Apr-19 A																												
CD32560	Construction - CD Oxygenation Trains Plant 1	81	02-Dec-13 A	20-Feb-14 A																												
CD10940	Structural Rehab Train #3 - CD Oxygenation Trains Plant 1	90	15-Jan-17 A	14-Apr-17 A																												
CD11050	Substantial Completion (CD Compliance Date 4/12/19) - CD Oxygenation Trains Plant 1	1549	02-Dec-13 A	22-Jun-18 A																												
CD81890	Project Closeout - CD Oxygenation Trains Plant 1	105	13-Feb-18 A	22-Jun-18 A																												
CD80500	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 1	0		22-Jun-18 A																												
Project Administration																																
CD33980	WASD Project Administration - CD Oxygenation Trains Plant 1	2556	01-Mar-11 A	22-Jun-18 A																												
2.06 Oxygenation Trains Plant 2																																
Pre-Design																																
CD81270	Pre-Design - CD Oxygenation Trains Plant 2	230	05-Jul-16 A	20-Feb-17 A																												
Engineering Design																																
CD10610	Engineering Design - CD Oxygenation Trains Plant 2	231	05-Jul-16 A	20-Feb-17 A																												
CD82500	EPA Start Date for Engineering Design - CD Oxygenation Trains Plant 2	0	01-Jun-16 A	02-Sep-16 A																												
CD80510	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 2**	0		02-Sep-16 A																												
CD81280	Engineering Design (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	173	21-Feb-17 A	12-Aug-17 A																												
CD81290	Engineering Design (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	173	21-Feb-17 A	12-Aug-17 A																												
Permitting																																
CD10690	Permitting - CD Oxygenation Trains Plant 2	2378	01-Mar-11 A	02-Sep-17 A																												
CD82510	EPA Start Date for Permitting - CD Oxygenation Trains Plant 2	62	01-Mar-11 A	02-May-11 A																												
CD80520	EPA Compliance Date for Permitting - CD Oxygenation Trains Plant 2	0	03-Sep-16 A	02-Sep-17 A																												
Procurement																																
CD81310	Procurement (Mixers) - CD Oxygenation Trains Plant 2	3103	02-May-11 A	01-Nov-20 A																												
CD82520	EPA Start Date for Procurement - CD Oxygenation Trains Plant 2	517	02-Sep-13 A	31-Jan-15 A																												
CD80530	EPA Compliance Date for Procurement - CD Oxygenation Trains Plant 2	0	03-Sep-17 A	16-Nov-18 A																												
CD81300	Procurement (Structural Rehab Train #2) - CD Oxygenation Trains Plant 2	90	20-Oct-17 A	06-Oct-19 A																												
CD10900	Procurement - CD Oxygenation Trains Plant 2	2754	02-May-11 A	01-Nov-20 A																												
CD81320	Procurement (Structural Rehab Train #4) - CD Oxygenation Trains Plant 2	152	10-May-19 A	01-Nov-20 A																												
Construction																																
CD11091	Install Mixers Train #1 - CD Oxygenation Trains Plant 2	2644	02-Feb-15 A	14-Apr-22 A																												
CD12161	Install Mixers Trains #2-4 - CD Oxygenation Trains Plant 2	24	11-Jan-16 A	03-Feb-16 A																												
CD11280	Structural Rehab Train #3 - CD Oxygenation Trains Plant 2	182	01-Sep-15 A	29-Feb-16 A																												
CD11090	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2	113	09-Nov-15 A	29-Feb-16 A																												
CD11090	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2	113	17-Jan-17 A	09-May-17 A																												
CD82530	EPA Start Date for Construction - CD Oxygenation Trains Plant 2	0	16-Dec-18 A																													

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																											
					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		
CD30060	Electrical Equip. / Expand Structure - CD Oxygenation Trains Plant 2	1034	02-Feb-15 A	29-Jan-19 A	Electrical Equip. / Expand Structure - CD Oxygenation Trains Plant 2																											
CD11190	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2	155	07-Oct-19 A	20-Aug-20 A	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2																											
CD32570	Construction - CD Oxygenation Trains Plant 2	1192	09-Nov-15 A	28-Sep-21 A	Construction - CD Oxygenation Trains Plant 2																											
CD11380	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2	136	02-Nov-20 A	28-Sep-21 A	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2																											
CD11450	Substantial Completion (CD Compliance Date 4/14/22) - CD Oxygenation Trains Plant 2	0		28-Sep-21 A	Substantial Completion (CD Compliance Date 4/14/22) - CD Oxygenation Trains Plant 2																											
CD81900	Project Closeout - CD Oxygenation Trains Plant 2	45	29-Sep-21 A	24-Feb-22 A	Project Closeout - CD Oxygenation Trains Plant 2																											
CD80580	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 2	0		14-Apr-22 A	EPA Compliance Date for Construction - CD Oxygenation Trains Plant 2																											
Project Administration																																
CD33990	WASD Project Administration - CD Oxygenation Trains Plant 2	2584	01-Mar-11 A	24-Feb-22 A	WASD Project Administration - CD Oxygenation Trains Plant 2																											
2.07 Secondary Clarifiers Plant 1																																
Engineering Design																																
CD11350	Engineering Design - CD Secondary Clarifiers Plant 1	1274	12-Apr-18 A	05-Oct-21 A	Engineering Design - CD Secondary Clarifiers Plant 1																											
CD82540	EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 1	455	12-Apr-18 A	03-Jan-20 A	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 A	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 1																											
Permitting																																
CD11400	Permitting - CD Secondary Clarifiers Plant 1	975	04-Jan-20 A	05-Oct-22	Permitting - CD Secondary Clarifiers Plant 1																											
CD82550	EPA Start Date for Permitting - CD Secondary Clarifiers Plant 1	173	04-Jan-20 A	01-Apr-20 A	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																																
CD82560	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 1	2007	17-Jul-15 A	05-Oct-23	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 1																											
CD11530	Procurement - CD Secondary Clarifiers Plant 1	0	06-Oct-22*		Procurement - CD Secondary Clarifiers Plant 1																											
CD80610	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 1	769	17-Jul-15 A	07-Sep-23	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 1																											
Construction																																
CD82570	EPA Start Date for Construction - CD Secondary Clarifiers Plant 1	2283	11-Jul-15 A	15-Aug-26	EPA Start Date for Construction - CD Secondary Clarifiers Plant 1																											
CD11598	Construction - CD Secondary Clarifiers Plant 1	0	06-Oct-23*		Construction - CD Secondary Clarifiers Plant 1																											
CD85370	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	1045	11-Jul-15 A	12-Jun-26	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																																
CD34000	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986	31-Jul-18 A	10-Sep-26	WASD Project Administration - CD Secondary Clarifiers Plant 1																											
2.07 (1) Secondary Clarifiers Plant 1																																
Pre-Design																																
CD11252	Pre-Design - CD Secondary Clarifiers Plant 1	181	10-May-17 A	30-Jul-18 A	Pre-Design - CD Secondary Clarifiers Plant 1																											
Engineering Design																																
CD20700	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1	402	31-Jul-18 A	03-Jan-20 A	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1																											
CD20710	BODR Review Period - CD Secondary Clarifiers Plant 1	60	31-Jul-18 A	15-Jan-19 A	BODR Review Period - CD Secondary Clarifiers Plant 1																											
CD20720	30% Design Submittal - CD Secondary Clarifiers Plant 1	16	16-Jan-19 A	08-Mar-19 A	30% Design Submittal - CD Secondary Clarifiers Plant 1																											
CD20730	30% Design Review - CD Secondary Clarifiers Plant 1	41	16-Feb-19 A	21-Mar-19 A	30% Design Review - CD Secondary Clarifiers Plant 1																											
CD20740	60% Design Submittal - CD Secondary Clarifiers Plant 1	13	22-Mar-19 A	12-Apr-19 A	60% Design Submittal - CD Secondary Clarifiers Plant 1																											
CD20750	60% Design Review - CD Secondary Clarifiers Plant 1	55	13-Apr-19 A	30-May-19 A	60% Design Review - CD Secondary Clarifiers Plant 1																											
CD20760	100% Design Submittal - CD Secondary Clarifiers Plant 1	10	31-May-19 A	23-Jun-19 A	100% Design Submittal - CD Secondary Clarifiers Plant 1																											
CD84310	Engineering Design - CD Secondary Clarifiers Plant 1	56	24-Jun-19 A	20-Aug-19 A	Engineering Design - CD Secondary Clarifiers Plant 1																											
CD40340	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1	398	31-Jul-18 A	03-Jan-20 A	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1																											
CD87110	FDEP Permit - CD Secondary Clarifiers Plant 1	30	21-Aug-19 A	03-Jan-20 A	FDEP Permit - CD Secondary Clarifiers Plant 1																											
CD84530	Permitting - CD Secondary Clarifiers Plant 1	453	18-Apr-19 A	01-Apr-20 A	Permitting - CD Secondary Clarifiers Plant 1																											
Procurement																																
CD84000	Internal Bid Package Review - CD Secondary Clarifiers Plant 1	1195	30-Apr-20 A	07-Sep-23	Internal Bid Package Review - CD Secondary Clarifiers Plant 1																											
CD31200	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 1	62	30-Apr-20 A	14-Aug-20 A	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 1																											
CD31210	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 1	0	12-Dec-22*	09-Feb-23	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 1																											
CD31220	Advertise Bid Package - CD Secondary Clarifiers Plant 1	60	12-Dec-22	09-Feb-23	Advertise Bid Package - CD Secondary Clarifiers Plant 1																											
CD31230	Bid Solicitation Period - CD Secondary Clarifiers Plant 1	0	10-Feb-23	10-Apr-23	Bid Solicitation Period - CD Secondary Clarifiers Plant 1																											
CD31240	Bids Due - CD Secondary Clarifiers Plant 1	60	10-Feb-23	10-Apr-23	Bids Due - CD Secondary Clarifiers Plant 1																											
CD31250	Bid Review Period - CD Secondary Clarifiers Plant 1	0	11-Apr-23		Bid Review Period - CD Secondary Clarifiers Plant 1																											
CD31260	Award Recommendation - CD Secondary Clarifiers Plant 1	30	11-Apr-23	10-May-23	Award Recommendation - CD Secondary Clarifiers Plant 1																											
CD84320	Procurement - CD Secondary Clarifiers Plant 1	270	12-Dec-22	07-Sep-23	Procurement - CD Secondary Clarifiers Plant 1																											
CD31270	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1	120	11-May-23	07-Sep-23	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1																											
Construction																																
CD11528	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1	1099	08-Sep-23	10-Sep-26	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1																											
CD84290	Construction Clarifiers - CD Secondary Clarifiers Plant 1	0	08-Sep-23*		Construction Clarifiers - CD Secondary Clarifiers Plant 1																											
CD86240	Commissioning - CD Secondary Clarifiers Plant 1	1009	08-Sep-23	12-Jun-26	Commissioning - CD Secondary Clarifiers Plant 1																											
CD11690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	45	29-Apr-26	12-Jun-26	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1																											
CD40050	Project Closeout - CD Secondary Clarifiers Plant 1	0		12-Jun-26*	Project Closeout - CD Secondary Clarifiers Plant 1																											
Project Administration																																
CD85120	WASD Project Administration - CD Secondary Clarifiers Plant 1	90	13-Jun-26	10-Sep-26*	WASD Project Administration - CD Secondary Clarifiers Plant 1																											
2.07 (2) Secondary Clarifiers Plant 1 Tank Mechanisms																																
Construction																																
CD85820	Construction Tank 2 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms	2601	11-Jul-15 A	15-Dec-25	Construction Tank 2 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms																											
CD83560	Construction Tank 5 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms	123	11-Jul-15 A	01-Sep-15 A	Construction Tank 5 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms																											
CD85790	Construction Tank 6 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms	124	07-Dec-17 A	15-Feb-18 A	Construction Tank 6 (WASD In-House) - CD Secondary Clarifiers Tank Mechanisms																											
CD83540	Construction Tank 3 - CD Secondary Clarifiers Tank Mechanisms	124	20-Feb-18 A	27-Apr-18 A	Construction Tank 3 - CD Secondary Clarifiers Tank Mechanisms																											
CD83550	Construction Tank 4 - CD Secondary Clarifiers Tank Mechanisms	211	06-Jun-24	02-Jan-25	Construction Tank 4 - CD Secondary Clarifiers Tank Mechanisms																											
CD84300	Construction Tanks - CD Secondary Clarifiers Tank Mechanisms	211	16-Jun-24	12-Jan-25	Construction Tanks - CD Secondary Clarifiers Tank Mechanisms																											
CD87340	Clean Tank 5 - CD Secondary Clarifiers Tank Mechanisms	0	11-Jul-15 A	16-Sep-25	Clean Tank 5 - CD Secondary Clarifiers Tank Mechanisms																											
CD83690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Tank Mechanisms	211	18-Feb-25	16-Sep-25	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Tank Mechanisms																											
CD85690	Project Closeout - CD Secondary Clarifiers Tank Mechanisms	0		16-Sep-25*	Project Closeout - CD Secondary Clarifiers Tank Mechanisms																											
CD85690	Project Closeout - CD Secondary Clarifiers Tank Mechanisms	90	17-Sep-25	15-Dec-25*	Project Closeout - CD Secondary Clarifiers Tank Mechanisms																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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
Project Administration																																								
CD85130	WASD Project Administration - CD Secondary Clarifiers Tank Mechanisms	558	06-Jun-24	15-Dec-25																																				
2.07 (3) Secondary Clarifiers Plant 1 Structural Rehab																																								
Pre-Design																																								
CD83570	Pre-Design Tanks 1-6 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	11-Apr-18 A																																				
Engineering Design																																								
CD84330	Engineering Design Tanks 1-6 - CD Secondary Clarifiers Plant 1 Structural Rehab	120	12-Apr-18 A	28-Aug-18 A																																				
Procurement																																								
CD85350	Procurement Tank 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	17-Jul-15 A	06-Oct-15 A																																				
CD85770	Procurement Tank 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	90	26-Feb-18 A	10-Apr-18 A																																				
CD83630	Procurement Tank 3 - CD Secondary Clarifiers Structural Rehab	90	02-Nov-18 A	13-Oct-20 A																																				
CD84340	Procurement - CD Secondary Clarifiers Plant 1 Structural Rehab	444	17-Jul-15 A	07-Sep-23																																				
CD83650	Procurement Tanks 3, 4 & 5 - CD Secondary Clarifiers Structural Rehab	270	12-Dec-22	07-Sep-23																																				
Construction																																								
CD85360	Construction Tank 2 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	120	15-Jul-15 A	02-Oct-15 A																																				
CD85780	Construction Tank 6 (WASD In-House) - CD Secondary Clarifiers Structural Rehab	60	26-Feb-18 A	17-Apr-18 A																																				
CD83660	Construction Tank 3 - CD Secondary Clarifiers Structural Rehab	211	06-Jun-24	02-Jan-25																																				
CD86980	Construction Tank 4 - CD Secondary Clarifiers Structural Rehab	211	16-Jul-24	11-Feb-25																																				
CD84350	Construction - CD Secondary Clarifiers Plant 1 Structural Rehab	444	15-Jul-15 A	16-Sep-25																																				
CD83680	Construction Tank 5 - CD Secondary Clarifiers Structural Rehab	211	18-Feb-25	16-Sep-25																																				
CD83980	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Structural Rehab	0		16-Sep-25*																																				
CD85700	Project Closeout - CD Secondary Clarifiers Structural Rehab	30	17-Sep-25	16-Oct-25*																																				
Project Administration																																								
CD85140	WASD Project Administration - CD Secondary Clarifiers Structural Rehab	738	12-Apr-18 A	16-Oct-25																																				
2.08 Secondary Clarifiers Plant 2																																								
Engineering Design																																								
CD82580	EPA Start Date for Engineering Design - CD Secondary Clarifiers Plant 2	0	01-Jun-16 A																																					
CD10630	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	01-Feb-17 A																																				
CD80650	EPA Compliance Date for Engineering Design - CD Secondary Clarifiers Plant 2	0		31-Oct-21 A																																				
Permitting																																								
CD82590	EPA Start Date for Permitting - CD Secondary Clarifiers Plant 2	0	06-Dec-16 A																																					
CD80660	EPA Compliance Date for Permitting - CD Secondary Clarifiers Plant 2	0		05-Dec-17 A																																				
CD10790	Permitting - CD Secondary Clarifiers Plant 2	466	28-Jul-16 A	22-May-18 A																																				
Procurement																																								
CD82600	EPA Start Date for Procurement - CD Secondary Clarifiers Plant 2	0	06-Dec-17 A																																					
CD80670	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 2	0		05-Dec-18 A																																				
CD11000	Procurement - CD Secondary Clarifiers Plant 2	1440	27-Nov-17 A	04-Dec-23																																				
Construction																																								
CD82610	EPA Start Date for Construction - CD Secondary Clarifiers Plant 2	0	06-Dec-18 A																																					
CD11117	Construction - CD Secondary Clarifiers Plant 2	1740	21-Nov-18 A	07-Jun-24																																				
CD11570	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		07-Jun-24*																																				
CD80850	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 2	0		01-Dec-24*																																				
Project Administration																																								
CD34010	WASD Project Administration - CD Secondary Clarifiers Plant 2	2705	16-Mar-16 A	05-Sep-24																																				
2.08 (1) Secondary Clarifiers Plant 2																																								
Pre-Design																																								
CD11262	Pre-Design - CD Secondary Clarifiers Plant 2	244	15-Jul-15 A	15-Mar-16 A																																				
Engineering Design																																								
CD20830	Draft Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 2	94	16-Mar-16 A	17-Jun-16 A																																				
CD20770	BODR Review Period - CD Secondary Clarifiers Plant 2	7	18-Jun-16 A	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																																				
CD20780	30% Design Submittal - CD Secondary Clarifiers Plant 2	50	08-Jul-16 A	26-Aug-16 A																																				
CD20790	30% Design Review - CD Secondary Clarifiers Plant 2	7	27-Aug-16 A	02-Sep-16 A																																				
CD20800	60% Design Submittal - CD Secondary Clarifiers Plant 2	42	03-Sep-16 A	14-Oct-16 A																																				
CD20810	60% Design Review - CD Secondary Clarifiers Plant 2	5	15-Oct-16 A	19-Oct-16 A																																				
CD20820	100% Design Submittal - CD Secondary Clarifiers Plant 2	64	20-Oct-16 A	22-Dec-16 A																																				
CD84360	Engineering Design - CD Secondary Clarifiers Plant 2	323	16-Mar-16 A	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																																				
Permitting																																								
CD80140	FDEP Permit - CD Secondary Clarifiers Plant 2	181	28-Jul-16 A	24-Jan-17 A																																				
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	12-Oct-18 A																																				
CD31340	Award Recommendation - CD Secondary Clarifiers Plant 2	0		12-Oct-18 A																																				
CD84380	Procurement - CD Secondary Clarifiers Plant 2	270	27-Nov-17 A	29-Nov-18 A																																				
CD31350	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 2	45	13-Oct-18 A	29-Nov-18 A																																				

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024				2025				2026	
					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					12-Nov-23, Construction																															
CD11113	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 2	0	06-Dec-18 A	12-Nov-23	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 2																															
CD80120	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2	348	06-Dec-18 A	14-Sep-22	Construction 2 Electrical Buildings - CD Secondary Clarifiers Plant 2																															
CD84390	Construction Clarifiers - CD Secondary Clarifiers Plant 2	1740	06-Dec-18 A	14-Sep-23	Construction Clarifiers - CD Secondary Clarifiers Plant 2																															
CD86250	Commissioning - CD Secondary Clarifiers Plant 2	60	17-Jul-23	14-Sep-23	Commissioning - CD Secondary Clarifiers Plant 2																															
CD83700	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2	0		14-Sep-23*	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Plant 2																															
CD40060	Project Closeout - CD Secondary Clarifiers Plant 2	59	15-Sep-23	12-Nov-23*	Project Closeout - CD Secondary Clarifiers Plant 2																															
Project Administration					12-Nov-23, Project Administration																															
CD85150	WASD Project Administration - CD Secondary Clarifiers Plant 2	2615	16-Mar-16 A	12-Nov-23	WASD Project Administration - CD Secondary Clarifiers Plant 2																															
2.08 (2) Secondary Clarifiers Plant 2 Tank Mechanisms					05-Sep-24, 2.08 (2) Secondary Clarifiers Plant 2																															
Construction					05-Sep-24, Construction																															
CD83710	Construction Tanks 2&3 - CD Secondary Clarifiers Tank Mechanisms	45	21-Nov-18 A	30-Aug-19 A	Construction Tanks 2&3 - CD Secondary Clarifiers Tank Mechanisms																															
CD83720	Construction Tank 9 - CD Secondary Clarifiers Tank Mechanisms	180	20-Sep-19 A	20-Apr-20 A	Construction Tank 9 - CD Secondary Clarifiers Tank Mechanisms																															
CD86100	Construction Tank 8 - CD Secondary Clarifiers Tank Mechanisms	180	30-Mar-20 A	15-Dec-20 A	Construction Tank 8 - CD Secondary Clarifiers Tank Mechanisms																															
CD83730	Construction Tank 10 - CD Secondary Clarifiers Tank Mechanisms	195	30-Jun-20 A	26-Feb-21 A	Construction Tank 10 - CD Secondary Clarifiers Tank Mechanisms																															
CD87170	Construction Tank 4 - CD Secondary Clarifiers Tank Mechanisms	210	02-May-22 A	27-Nov-22	Construction Tank 4 - CD Secondary Clarifiers Tank Mechanisms																															
CD83750	Construction Tank 5 - CD Secondary Clarifiers Tank Mechanisms	210	29-Nov-22	26-Jun-23	Construction Tank 5 - CD Secondary Clarifiers Tank Mechanisms																															
CD87440	Construction Tank 6 - CD Secondary Clarifiers Tank Mechanisms	210	14-Mar-23*	09-Oct-23	Construction Tank 6 - CD Secondary Clarifiers Tank Mechanisms																															
CD87180	Construction Tank 1 - CD Secondary Clarifiers Tank Mechanisms	210	27-Aug-23	23-Mar-24	Construction Tank 1 - CD Secondary Clarifiers Tank Mechanisms																															
CD84400	Construction Tanks - CD Secondary Clarifiers Plant 2 Tank Mechanisms	1261	21-Nov-18 A	07-Jun-24	Construction Tanks - CD Secondary Clarifiers Plant 2 Tank Mechanisms																															
CD83740	Construction Tank 7 - CD Secondary Clarifiers Tank Mechanisms	210	11-Nov-23	07-Jun-24*	Construction Tank 7 - CD Secondary Clarifiers Tank Mechanisms																															
CD83760	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Tank Mechanisms	0		07-Jun-24*	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Tank Mechanisms																															
CD85710	Project Closeout - CD Secondary Clarifiers Tank Mechanisms	90	08-Jun-24	05-Sep-24*	Project Closeout - CD Secondary Clarifiers Tank Mechanisms																															
Project Administration					05-Sep-24, Project Administration																															
CD85160	WASD Project Administration - CD Secondary Clarifiers Tank Mechanisms	1351	21-Nov-18 A	05-Sep-24	WASD Project Administration - CD Secondary Clarifiers Tank Mechanisms																															
2.08 (3) Secondary Clarifiers Plant 2 Structural Rehab					30-Aug-24, 2.08 (3) Secondary Clarifiers Plant 2																															
Pre-Design					09-Feb-18 A, Pre-Design																															
CD83770	Pre-Design Tanks 1-10 - CD Secondary Clarifiers Structural Rehab	148	14-Jul-17 A	09-Feb-18 A	Pre-Design Tanks 1-10 - CD Secondary Clarifiers Structural Rehab																															
Engineering Design					16-Jul-18 A, Engineering Design																															
CD85730	50% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	120	12-Feb-18 A	16-Jul-18 A	50% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab																															
CD85740	50% Design Review - CD Secondary Clarifiers Plant 2 Structural Rehab	7	26-Apr-18 A	16-May-18 A	50% Design Review - CD Secondary Clarifiers Plant 2 Structural Rehab																															
CD85750	100% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	21	16-May-18 A	16-May-18 A	100% Design Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab																															
CD84410	Engineering Design - CD Secondary Clarifiers Plant 2 Structural Rehab	120	12-Feb-18 A	16-Jul-18 A	Engineering Design - CD Secondary Clarifiers Plant 2 Structural Rehab																															
CD85760	100% Design Review/Bid Ready Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab	20	16-May-18 A	16-Jul-18 A	100% Design Review/Bid Ready Submittal - CD Secondary Clarifiers Plant 2 Structural Rehab																															
Procurement					18-Jan-24, Procurement																															
CD83870	Procurement Tanks 2&3 - CD Secondary Clarifiers Structural Rehab	90	17-Jul-18 A	20-Nov-18 A	Procurement Tanks 2&3 - CD Secondary Clarifiers Structural Rehab																															
CD87030	Procurement Tank 9 - CD Secondary Clarifiers Structural Rehab	90	23-Aug-18 A	05-Oct-19 A	Procurement Tank 9 - CD Secondary Clarifiers Structural Rehab																															
CD83890	Procurement Tank 8 - CD Secondary Clarifiers Structural Rehab	133	28-May-19 A	29-Mar-20 A	Procurement Tank 8 - CD Secondary Clarifiers Structural Rehab																															
CD87040	Procurement Tank 10 - CD Secondary Clarifiers Structural Rehab	133	28-May-19 A	26-Jul-20 A	Procurement Tank 10 - CD Secondary Clarifiers Structural Rehab																															
CD87050	Procurement Tank 4 - CD Secondary Clarifiers Structural Rehab	253	28-May-19 A	29-Jul-20 A	Procurement Tank 4 - CD Secondary Clarifiers Structural Rehab																															
CD83900	Procurement Tank 7 - CD Secondary Clarifiers Structural Rehab	0	31-Aug-20 A	31-Mar-21 A	Procurement Tank 7 - CD Secondary Clarifiers Structural Rehab																															
CD87420	Re-Procurement Tank 4 - CD Secondary Clarifiers Structural Rehab	193	10-Jan-22 A	09-Mar-22 A	Re-Procurement Tank 4 - CD Secondary Clarifiers Structural Rehab																															
CD87510	Stop Order Received for Re-Procurement Tank 4 - CD Secondary Clarifiers Structural Rehab	0		09-Mar-22 A	Stop Order Received for Re-Procurement Tank 4 - CD Secondary Clarifiers Structural Rehab																															
CD83910	Procurement Tank 5 - CD Secondary Clarifiers Structural Rehab	180	30-Jun-22	26-Dec-22	Procurement Tank 5 - CD Secondary Clarifiers Structural Rehab																															
CD87070	Procurement Tank 6 - CD Secondary Clarifiers Structural Rehab	180	09-Nov-22*	07-May-23	Procurement Tank 6 - CD Secondary Clarifiers Structural Rehab																															
CD87060	Procurement Tank 1 - CD Secondary Clarifiers Structural Rehab	180	08-Jun-23*	04-Dec-23	Procurement Tank 1 - CD Secondary Clarifiers Structural Rehab																															
CD84420	Procurement - CD Secondary Clarifiers Plant 2 Structural Rehab	1187	17-Jul-18 A	18-Jan-24	Procurement - CD Secondary Clarifiers Plant 2 Structural Rehab																															
CD87430	Re-Procurement Tank 7 - CD Secondary Clarifiers Structural Rehab	210	23-Jun-23*	18-Jan-24	Re-Procurement Tank 7 - CD Secondary Clarifiers Structural Rehab																															
Construction					30-Aug-24, Construction																															
CD87160	Construction Tank 3 - CD Secondary Clarifiers Structural Rehab	112	21-Nov-18 A	06-May-19 A	Construction Tank 3 - CD Secondary Clarifiers Structural Rehab																															
CD83920	Construction Tank 2 - CD Secondary Clarifiers Structural Rehab	142	21-Nov-18 A	21-Jun-19 A	Construction Tank 2 - CD Secondary Clarifiers Structural Rehab																															
CD83930	Construction Tank 9 - CD Secondary Clarifiers Structural Rehab	135	07-Oct-19 A	07-Mar-20 A	Construction Tank 9 - CD Secondary Clarifiers Structural Rehab																															
CD86090	Construction Tank 8 - CD Secondary Clarifiers Structural Rehab	165	30-Mar-20 A	11-Aug-20 A	Construction Tank 8 - CD Secondary Clarifiers Structural Rehab																															
CD83940	Construction Tank 10 - CD Secondary Clarifiers Structural Rehab	135	27-Jul-20 A	17-Dec-20 A	Construction Tank 10 - CD Secondary Clarifiers Structural Rehab																															
CD87080	Construction Tank 4 - CD Secondary Clarifiers Structural Rehab	135	11-Jul-22*	22-Nov-22	Construction Tank 4 - CD Secondary Clarifiers Structural Rehab																															
CD83960	Construction Tank 5 - CD Secondary Clarifiers Structural Rehab	135	27-Dec-22	10-May-23	Construction Tank 5 - CD Secondary Clarifiers Structural Rehab																															
CD87100	Construction Tank 6 - CD Secondary Clarifiers Structural Rehab	135	08-May-23	19-Sep-23	Construction Tank 6 - CD Secondary Clarifiers Structural Rehab																															
CD87090	Construction Tank 1 - CD Secondary Clarifiers Structural Rehab	135	05-Dec-23	17-Apr-24	Construction Tank 1 - CD Secondary Clarifiers Structural Rehab																															
CD84430	Construction - CD Secondary Clarifiers Plant 2 Structural Rehab	1188	21-Nov-18 A	01-Jun-24	Construction - CD Secondary Clarifiers Plant 2 Structural Rehab																															
CD83950	Construction Tank 7 - CD Secondary Clarifiers Structural Rehab	135	19-Jan-24	01-Jun-24	Construction Tank 7 - CD Secondary Clarifiers Structural Rehab																															
CD83970	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Structural Rehab	0		01-Jun-24*	Substantial Completion (CD Compliance Date 12/01/24) - CD Secondary Clarifiers Structural Rehab																															
CD85720	Project Closeout - CD Secondary Clarifiers Structural Rehab	90	02-Jun-24	30-Aug-24*	Project Closeout - CD Secondary Clarifiers Structural Rehab																															
Project Administration					30-Aug-24, Project Administration																															
CD85170	WASD Project Administration - CD Secondary Clarifiers Structural Rehab	1447	12-Feb-18 A	30-Aug-24	WASD Project Administration - CD Secondary Clarifiers Structural Rehab																															
2.09 Return Sludge PS Plant 1					10-Sep-26																															
Pre-Design					30-Jul-18 A, Pre-Design																															
CD11272	Pre-Design - CD Return Sludge PS Plant 1	181	10-May-17 A	30-Jul-18 A	Pre-Design - CD Return Sludge PS Plant 1																															
Engineering Design					05-Oct-21 A, Engineering Design																															
CD20840	Basis of Design Report (BODR) - CD Return Sludge PS Plant 1	60	31-Jul-18 A	08-Mar-19 A	Basis of Design Report (BODR) - CD Return Sludge PS Plant 1																															
CD20850	30% Design Submittal - CD Return Sludge PS Plant 1	41	16-Feb-19 A	21-Mar-19 A	30% Design Submittal - CD Return Sludge PS Plant 1																															
CD20860	30% Design Review - CD Return Sludge PS Plant 1	13	22-Mar-19 A	12-Apr-19 A	30% Design Review - CD Return Sludge PS Plant 1																															
CD20870	60% Design Submittal - CD Return Sludge PS Plant 1	55	13-Apr-19 A	30-May-19 A	60% Design Submittal - CD Return Sludge PS Plant 1																															
CD20880	60% Design Review - CD Return Sludge PS Plant 1	10	31-May-19 A	23-Jun-19 A	60% Design Review - CD Return Sludge PS Plant 1																															
CD20890	100% Design Submittal - CD Return Sludge PS Plant 1	56	24-Jun-19 A	20-Aug-19 A	100% Design Submittal - CD Return Sludge PS Plant 1																															

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
CD11340	Engineering Design - CD Return Sludge PS Plant 1	398	30-Jul-18 A	03-Jan-20 A	Engineering Design - CD Return Sludge PS Plant 1																							
CD40360	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 1	30	21-Aug-19 A	03-Jan-20 A	100% Design Review/Permit Ready Submittal - CD Return Sludge PS Plant 1																							
CD82620	EPA Start Date for Engineering Design - CD Return Sludge PS Plant 1	0	01-Apr-21 A		EPA Start Date for Engineering Design - CD Return Sludge PS Plant 1																							
CD80740	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 1	0		05-Oct-21 A	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 1																							
Permitting					1255 18-Apr-19 A 05-Oct-22																							
CD87120	FDEP Permit - CD Return Sludge PS Plant 1	60	18-Apr-19 A	23-Aug-19 A	FDEP Permit - CD Return Sludge PS Plant 1																							
CD11390	Permitting - CD Return Sludge PS Plant 1	173	04-Jan-20 A	01-Apr-20 A	Permitting - CD Return Sludge PS Plant 1																							
CD82630	EPA Start Date for Permitting - CD Return Sludge PS Plant 1	0	06-Oct-21 A		EPA Start Date for Permitting - CD Return Sludge PS Plant 1																							
CD80750	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 1	0		05-Oct-22*	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 1																							
Procurement					1223 30-Apr-20 A 05-Oct-23																							
CD84020	Internal Bid Package Review - CD Return Sludge PS Plant 1	30	30-Apr-20 A	14-Aug-20 A	Internal Bid Package Review - CD Return Sludge PS Plant 1																							
CD82640	EPA Start Date for Procurement - CD Return Sludge PS Plant 1	0	06-Oct-22*		EPA Start Date for Procurement - CD Return Sludge PS Plant 1																							
CD31360	Design Documents Sent to Procurement - CD Return Sludge PS Plant 1	0	12-Dec-22*		Design Documents Sent to Procurement - CD Return Sludge PS Plant 1																							
CD31370	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 1	60	12-Dec-22	09-Feb-23	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 1																							
CD31380	Advertise Bid Package - CD Return Sludge PS Plant 1	0	10-Feb-23		Advertise Bid Package - CD Return Sludge PS Plant 1																							
CD31390	Bid Solicitation Period - CD Return Sludge PS Plant 1	60	10-Feb-23	10-Apr-23	Bid Solicitation Period - CD Return Sludge PS Plant 1																							
CD31400	Bids Due - CD Return Sludge PS Plant 1	0	11-Apr-23		Bids Due - CD Return Sludge PS Plant 1																							
CD31410	Bid Review Period - CD Return Sludge PS Plant 1	30	11-Apr-23	10-May-23	Bid Review Period - CD Return Sludge PS Plant 1																							
CD31420	Award Recommendation - CD Return Sludge PS Plant 1	0		10-May-23	Award Recommendation - CD Return Sludge PS Plant 1																							
CD11520	Procurement - CD Return Sludge PS Plant 1	270	12-Dec-22	07-Sep-23	Procurement - CD Return Sludge PS Plant 1																							
CD31430	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 1	120	11-May-23	07-Sep-23	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 1																							
CD80760	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 1	0		05-Oct-23*	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 1																							
Construction					1099 08-Sep-23 10-Sep-26																							
CD11583	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 1	0	08-Sep-23		Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 1																							
CD82650	EPA Start Date for Construction - CD Return Sludge PS Plant 1	0	06-Oct-23*		EPA Start Date for Construction - CD Return Sludge PS Plant 1																							
CD87480	Construction Plant 1 RAS PS (Admin/Mobilization) - CD Return Sludge PS Plant 1	272	08-Sep-23	05-Jun-24	Construction Plant 1 RAS PS (Admin/Mobilization) - CD Return Sludge PS Plant 1																							
CD11590	Construction PS #2 - CD Return Sludge PS Plant 1	240	06-Jun-24	31-Jan-25	Construction PS #2 - CD Return Sludge PS Plant 1																							
CD11630	Construction PS #3 - CD Return Sludge PS Plant 1	240	18-Feb-25	15-Oct-25	Construction PS #3 - CD Return Sludge PS Plant 1																							
CD11588	Construction - CD Return Sludge PS Plant 1	1009	08-Sep-23	12-Jun-26	Construction - CD Return Sludge PS Plant 1																							
CD11660	Construction PS #1 - CD Return Sludge PS Plant 1	240	16-Oct-25	12-Jun-26	Construction PS #1 - CD Return Sludge PS Plant 1																							
CD86260	Commissioning - CD Return Sludge PS Plant 1	30	14-May-26	12-Jun-26	Commissioning - CD Return Sludge PS Plant 1																							
CD11700	Substantial Completion (CD Compliance Date 8/15/26) - CD Return Sludge PS Plant 1	0		12-Jun-26*	Substantial Completion (CD Compliance Date 8/15/26) - CD Return Sludge PS Plant 1																							
CD80800	EPA Compliance Date for Construction - CD Return Sludge PS Plant 1	0		15-Aug-26*	EPA Compliance Date for Construction - CD Return Sludge PS Plant 1																							
CD40070	Project Closeout - CD Return Sludge PS Plant 1	90	13-Jun-26	10-Sep-26*	Project Closeout - CD Return Sludge PS Plant 1																							
Project Administration					1986 31-Jul-18 A 10-Sep-26																							
CD34020	WASD Project Administration - CD Return Sludge PS Plant 1	1986	31-Jul-18 A	10-Sep-26	WASD Project Administration - CD Return Sludge PS Plant 1																							
2.10 Return Sludge PS Plant 2					3428 15-Jul-15 A 01-Dec-24																							
Engineering Design					303 13-Jan-16 A 31-Mar-17 A																							
CD82660	EPA Start Date for Engineering Design - CD Return Sludge PS Plant 2	0	01-Jun-16 A	31-Mar-17 A	EPA Start Date for Engineering Design - CD Return Sludge PS Plant 2																							
CD10620	Engineering Design - CD Return Sludge PS Plant 2	0	13-Jan-16 A	01-Feb-17 A	Engineering Design - CD Return Sludge PS Plant 2																							
CD80810	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 2	0		31-Mar-17 A	EPA Compliance Date for Engineering Design - CD Return Sludge PS Plant 2																							
Permitting					648 22-Mar-16 A 22-May-18 A																							
CD82670	EPA Start Date for Permitting - CD Return Sludge PS Plant 2	0	06-Dec-16 A	22-May-18 A	EPA Start Date for Permitting - CD Return Sludge PS Plant 2																							
CD80820	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 2	0		05-Dec-17 A	EPA Compliance Date for Permitting - CD Return Sludge PS Plant 2																							
CD10780	Permitting - CD Return Sludge PS Plant 2	593	22-Mar-16 A	22-May-18 A	Permitting - CD Return Sludge PS Plant 2																							
Procurement					991 14-Apr-16 A 05-Dec-18 A																							
CD82680	EPA Start Date for Procurement - CD Return Sludge PS Plant 2	0	06-Dec-17 A	05-Dec-18 A	EPA Start Date for Procurement - CD Return Sludge PS Plant 2																							
CD10990	Procurement - CD Return Sludge PS Plant 2	844	14-Apr-16 A	29-Nov-18 A	Procurement - CD Return Sludge PS Plant 2																							
CD80830	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 2	0		05-Dec-18 A	EPA Compliance Date for Procurement - CD Return Sludge PS Plant 2																							
Construction					3146 22-Apr-16 A 01-Dec-24																							
CD82690	EPA Start Date for Construction - CD Return Sludge PS Plant 2	0	06-Dec-18 A	01-Dec-24	EPA Start Date for Construction - CD Return Sludge PS Plant 2																							
CD11108	Construction - CD Return Sludge PS Plant 2	2578	22-Apr-16 A	14-Sep-23	Construction - CD Return Sludge PS Plant 2																							
CD85490	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0		14-Sep-23*	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2																							
CD80860	EPA Compliance Date for Construction - CD Return Sludge PS Plant 2	0		01-Dec-24*	EPA Compliance Date for Construction - CD Return Sludge PS Plant 2																							
Project Administration					2705 16-Mar-16 A 12-Nov-23																							
CD34030	WASD Project Administration - CD Return Sludge PS Plant 2	2705	16-Mar-16 A	12-Nov-23	WASD Project Administration - CD Return Sludge PS Plant 2																							
2.10 (1) Return Sludge PS Plant 2 - RAS Pump					3043 15-Jul-15 A 12-Nov-23																							
Pre-Design					244 15-Jul-15 A 15-Mar-16 A																							
CD11282	Pre-Design - CD Return Sludge PS Plant 2	245	15-Jul-15 A	15-Mar-16 A	Pre-Design - CD Return Sludge PS Plant 2																							
Engineering Design					322 16-Mar-16 A 01-Feb-17 A																							
CD20900	Draft Basis of Design Report (BODR) - CD Return Sludge PS Plant 2	94	16-Mar-16 A	17-Jun-16 A	Draft Basis of Design Report (BODR) - CD Return Sludge PS Plant 2																							
CD41060	BODR Review Period - CD Return Sludge PS Plant 2	7	18-Jun-16 A	24-Jun-16 A	BODR Review Period - CD Return Sludge PS Plant 2																							
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					476 18-Jul-16 A 22-May-18 A																							
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																							

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024				2025				2026	
					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
Procurement					692	03-Feb-17 A	29-Nov-18 A																													
CD84150	GMOU submittal and approval - CD Return Sludge PS Plant 2	21	03-Feb-17 A	23-Feb-17 A																																
CD84030	Internal Bid Package Review - CD Return Sludge PS Plant 2	3	13-Nov-17 A	26-Nov-17 A																																
CD31440	Design Documents Sent to Procurement - CD Return Sludge PS Plant 2	0	27-Nov-17 A																																	
CD31450	Submit/Approve SBD Goals and Request to Advertise - CD Return Sludge PS Plant 2	60	22-Jan-18 A	11-Apr-18 A																																
CD31460	Advertise Bid Package - CD Return Sludge PS Plant 2	0	12-Apr-18 A																																	
CD31470	Bid Solicitation Period - CD Return Sludge PS Plant 2	5	12-Apr-18 A	04-Jun-18 A																																
CD31480	Bids Due - CD Return Sludge PS Plant 2	0	05-Jun-18 A																																	
CD31490	Bid Review Period - CD Return Sludge PS Plant 2	60	05-Jun-18 A	12-Oct-18 A																																
CD31500	Award Recommendation - CD Return Sludge PS Plant 2	0		12-Oct-18 A																																
CD84460	Procurement - CD Return Sludge PS Plant 2 - RAS Pump	270	27-Nov-17 A	29-Nov-18 A																																
CD31510	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Return Sludge PS Plant 2	45	13-Oct-18 A	29-Nov-18 A																																
Construction					1778	06-Dec-18 A	12-Nov-23																													
CD11103	Contractor Notice to Proceed (NTP) - CD Return Sludge PS Plant 2	0	06-Dec-18 A																																	
CD84470	Construction - CD Return Sludge PS Plant 2 - RAS Pump	1740	06-Dec-18 A	14-Sep-23																																
CD86270	Commissioning - CD Return Sludge PS Plant 2	60	17-Jul-23	14-Sep-23*																																
CD11580	Substantial Completion (CD Compliance Date 12/01/24) - CD Return Sludge PS Plant 2	0		14-Sep-23*																																
CD40080	Project Closeout - CD Return Sludge PS Plant 2	59	15-Sep-23	12-Nov-23*																																
Project Administration					2705	16-Mar-16 A	12-Nov-23																													
CD85180	WASD Project Administration - CD Return Sludge PS Plant 2	2705	16-Mar-16 A	12-Nov-23																																
2.10 (2) Return Sludge PS Plant 2 - RAS Line					541	13-Jan-16 A	07-Jul-17 A																													
Engineering Design					91	13-Jan-16 A	13-Apr-16 A																													
CD40660	RAS Header pipe Design Validation - CD Return Sludge PS Plant 2	15	13-Jan-16 A	27-Jan-16 A																																
CD84480	Engineering Design - Return Sludge PS Plant 2 - RAS Line	92	13-Jan-16 A	13-Apr-16 A																																
CD40670	RAS Header pipe 100% Design Submission - CD Return Sludge PS Plant 2	77	28-Jan-16 A	13-Apr-16 A																																
Permitting					0	22-Mar-16 A	22-Mar-16 A																													
CD81330	FDEP Permit (RAS Header Pipe) - CD Return Sludge PS Plant 2	0		22-Mar-16 A																																
Procurement					6	14-Apr-16 A	20-Apr-16 A																													
CD40690	Emergency Procurement of RAS Header Pipe - CD Return Sludge PS Plant 2	7	14-Apr-16 A	20-Apr-16 A																																
Construction					441	22-Apr-16 A	07-Jul-17 A																													
CD40700	Construction RAS Header Pipe - CD Return Sludge PS Plant 2	442	22-Apr-16 A	07-Jul-17 A																																
Project Administration					441	22-Apr-16 A	07-Jul-17 A																													
CD85190	WASD Project Administration - CD Return Sludge PS Plant 2	442	22-Apr-16 A	07-Jul-17 A																																
2.11 Effluent Pump Station					2051	19-Feb-16 A	31-Jul-22																													
Pre-Design					222	19-Feb-16 A	28-Sep-16 A																													
CD11292	Pre-Design - CD Effluent Pump Station	223	19-Feb-16 A	28-Sep-16 A																																
Engineering Design					359	24-Aug-16 A	18-Aug-17 A																													
CD82270	Draft Technical Memo Submittal - CD Effluent Pump Station	20	24-Aug-16 A	12-Sep-16 A																																
CD82280	Final Technical Memo Submittal - CD Effluent Pump Station	21	13-Sep-16 A	03-Oct-16 A																																
CD20560	Draft Basis of Design Report (BODR) - CD Effluent Pump Station	35	13-Sep-16 A	17-Oct-16 A																																
CD20570	BODR Review Period - CD Effluent Pump Station	9	18-Oct-16 A	26-Oct-16 A																																
CD82290	Final Basis of Design Report (BODR) - CD Effluent Pump Station	14	27-Oct-16 A	09-Nov-16 A																																
CD80870	EPA Start Date for Engineering Design - CD Effluent Pump Station	0	01-Jan-17 A																																	
CD20580	30% Design Submittal - CD Effluent Pump Station	69	10-Nov-16 A	17-Jan-17 A																																
CD20590	30% Design Review - CD Effluent Pump Station	24	18-Jan-17 A	10-Feb-17 A																																
CD20600	60% Design Submittal - CD Effluent Pump Station	31	11-Feb-17 A	13-Mar-17 A																																
CD20610	60% Design Review - CD Effluent Pump Station	16	14-Mar-17 A	29-Mar-17 A																																
CD20620	100% Design Submittal - CD Effluent Pump Station	69	30-Mar-17 A	06-Jun-17 A																																
CD10080	Engineering Design - CD Effluent Pump Station	297	24-Aug-16 A	16-Jun-17 A																																
CD40380	100% Design Review/Permit Ready Submittal - CD Effluent Pump Station	10	07-Jun-17 A	16-Jun-17 A																																
CD82700	EPA Compliance Date for Engineering Design - CD Effluent Pump Station	0		18-Aug-17 A																																
Permitting					373	22-Jun-17 A	20-Jun-18 A																													
CD84810	DERM Permit - CD Effluent Pump Station	19	22-Jun-17 A	10-Jul-17 A																																
CD82710	EPA Start Date for Permitting - CD Effluent Pump Station	0	19-Aug-17 A																																	
CD10180	Permitting - CD Effluent Pump Station	152	22-Jun-17 A	27-Feb-18 A																																
CD84820	City of Miami Permit - CD Effluent Pump Station	127	17-Jul-17 A	27-Feb-18 A																																
CD80880	EPA Compliance Date for Permitting - CD Effluent Pump Station	0		20-Jun-18 A																																
Procurement					711	19-Jul-17 A	04-Aug-19 A																													
CD84180	GMOU submittal and approval - CD Effluent Pump Station	23	19-Jul-17 A	10-Aug-17 A																																
CD84040	Internal Bid Package Review - CD Effluent Pump Station	1	06-Mar-18 A	06-Mar-18 A																																
CD31520	Design Documents Sent to Procurement - CD Effluent Pump Station	0	07-Mar-18 A																																	
CD85850	Issue RTA to Director for Signature - CD Effluent Pump Station	0	18-Apr-18 A																																	
CD31530	Submit/Approve SBD Goals and Request to Advertise - CD Effluent Pump Station	24	07-Mar-18 A	29-May-18 A																																
CD31540	Advertise Bid Package - CD Effluent Pump Station	0	30-May-18 A																																	
CD82720	EPA Start Date for Procurement - CD Effluent Pump Station	0	21-Jun-18 A																																	
CD31550	Bid Solicitation Period - CD Effluent Pump Station	64	30-May-18 A	16-Jul-18 A																																
CD31560	Bids Due - CD Effluent Pump Station	0	17-Jul-18 A																																	
CD31570	Bid Review Period - CD Effluent Pump Station	30	17-Jul-18 A	20-Aug-18 A																																
CD31580	Award Recommendation - CD Effluent Pump Station	0		20-Aug-18 A																																
CD80890	EPA Compliance Date for Procurement - CD Effluent Pump Station	0		20-Jun-19 A																																
CD10420	Procurement - CD Effluent Pump Station	231	07-Mar-18 A	04-Aug-19 A																																
CD31590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Effluent Pump Station	113	21-Aug-18 A	04-Aug-19 A																																
Construction					824	21-Jun-19 A	31-Jul-22																													
CD82730	EPA Start Date for Construction - CD Effluent Pump Station	0	21-Jun-19 A																																	
CD10658	Contractor Notice to Proceed (NTP) - CD Effluent Pump Station	0	05-Aug-19 A																																	

Activity ID	Activity Name	Original Duration	Start	Finish	2018			2019			2020			2021			2022			2023			2024		2025		2026					
					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
CD87460	Construction Completion - CD Effluent Pump Station	0		17-Jun-21 A																												
CD80900	EPA Compliance Date for Construction - CD Effluent Pump Station	0		21-Jun-21 A																												
CD10660	Construction - CD Effluent Pump Station	440	05-Aug-19 A	01-Jul-21 A																												
CD86280	Commissioning - CD Effluent Pump Station	123	02-Nov-20 A	01-Jul-21 A																												
CD10870	Substantial Completion (CD Compliance Date 6/21/21) - CD Effluent Pump Station	0		01-Jul-21 A																												
CD40090	Project Closeout - CD Effluent Pump Station	60	02-Jul-21 A	31-Jul-22*																												
Project Administration		1121	13-Sep-16 A	31-Jul-22																												
CD34040	WASD Project Administration - CD Effluent Pump Station	1121	13-Sep-16 A	31-Jul-22																												
2.12 Gravity Sludge Thickeners Plant 1					WASD Project Administration - CD Effluent Pump Station																											
Pre-Design		87	02-Feb-15 A	30-Apr-15 A																												
CD11302	Pre-Design - CD Gravity Sludge Thickeners Plant 1	88	02-Feb-15 A	30-Apr-15 A																												
Engineering Design		868	16-Jun-15 A	05-Oct-17 A																												
CD20960	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 1	190	16-Jun-15 A	22-Dec-15 A																												
CD32810	BODR Design Review - CD Gravity Sludge Thickeners Plant 1	36	23-Dec-15 A	27-Jan-16 A																												
CD10370	Engineering Design - CD Gravity Sludge Thickeners Plant 1	288	16-Jun-15 A	29-Mar-16 A																												
CD41080	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 1	0		29-Mar-16 A																												
CD32620	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1	90	28-Jan-16 A	26-Apr-16 A																												
CD32640	DCP Design Review - CD Gravity Sludge Thickeners Plant 1	25	25-Apr-16 A	19-May-16 A																												
CD33340	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1	298	04-Jan-16 A	27-Oct-16 A																												
CD32660	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 1	188	20-May-16 A	23-Nov-16 A																												
CD82740	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0	01-Apr-17 A																													
CD80910	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0		05-Oct-17 A																												
Permitting		1217	29-Jan-16 A	05-Mar-20 A																												
CD32680	FDEP Permit - CD Gravity Sludge Thickeners Plant 1	126	29-Jan-16 A	02-Jun-16 A																												
CD87140	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 1	60	19-Mar-19 A	05-Mar-20 A																												
Procurement		1624	29-Mar-16 A	03-Jul-20 A																												
CD33220	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 1	0	29-Mar-16 A																													
CD33230	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 1	113	29-Mar-16 A	19-Jul-16 A																												
CD33240	Advertise RDBS - CD Gravity Sludge Thickeners Plant 1	0	20-Jul-16 A																													
CD33250	Request for Qualifications - CD Gravity Sludge Thickeners Plant 1	59	20-Jul-16 A	16-Sep-16 A																												
CD33260	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 1	0	17-Sep-16 A																													
CD33270	Qualification Review Period - CD Gravity Sludge Thickeners Plant 1	91	17-Sep-16 A	16-Dec-16 A																												
CD33280	Shortlist Published - CD Gravity Sludge Thickeners Plant 1	0		16-Dec-16 A																												
CD33290	Request for Proposals - CD Gravity Sludge Thickeners Plant 1	101	24-Jan-17 A	04-May-17 A																												
CD33300	Proposals Due - CD Gravity Sludge Thickeners Plant 1	0	05-May-17 A																													
CD33310	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 1	112	05-May-17 A	24-Aug-17 A																												
CD33320	Award Recommendation - CD Gravity Sludge Thickeners Plant 1	0	25-Aug-17 A																													
CD33330	Contract Negotiations - CD Gravity Sludge Thickeners Plant 1	53	25-Aug-17 A	17-Nov-17 A																												
CD33360	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 1	79	18-Nov-17 A	01-May-18 A																												
CD86110	Bid Cancellation - CD Gravity Sludge Thickeners Plant 1	0		30-May-18 A																												
CD86170	TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 1	60	11-May-18 A	23-Jul-18 A																												
CD86430	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	20	09-Aug-18 A	28-Aug-18 A																												
CD82760	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0	06-Oct-18 A																													
CD86440	Submit approved Review Item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	40	19-Sep-18 A	08-Nov-18 A																												
CD86450	Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 1	0		08-Nov-18 A																												
CD86480	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 1	40	19-Sep-18 A	04-Jan-19 A																												
CD86460	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	40	09-Nov-18 A	11-Jan-19 A																												
CD86470	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 1	30	12-Jan-19 A	06-Mar-19 A																												
CD86990	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 1	15	12-Mar-19 A	19-Mar-19 A																												
CD86500	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 1	54	18-Mar-19 A	10-May-19 A																												
CD86520	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 1	30	10-May-19 A	12-Jun-19 A																												
CD86510	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 1	76	11-May-19 A	12-Jun-19 A																												
CD86530	Negotiation Memo submitted / Approved by WASD Director - CD Gravity Sludge Thickeners Plant 1	60	13-Jun-19 A	01-Jul-19 A																												
CD86550	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 1	60	02-Jul-19 A	09-Aug-19 A																												
CD86560	Negotiations Concluded and preparation of final Contract - CD Gravity Sludge Thickeners Plant 1	162	10-Aug-19 A	26-Sep-19 A																												
CD80930	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0		05-Oct-19 A																												
CD86570	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	60	27-Sep-19 A	13-Dec-19 A																												
CD86580	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 1	21	14-Dec-19 A	28-Feb-20 A																												
CD86590	Submit/Approval of Item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 1	62	29-Feb-20 A	05-May-20 A																												
CD10730	Procurement - CD Gravity Sludge Thickeners Plant 1	679	29-Mar-16 A	03-Jul-20 A																												
CD85950	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 1	739	09-Aug-18 A	03-Jul-20 A																												
CD86600	Issue NTP - CD Gravity Sludge Thickeners Plant 1	59	06-May-20 A	03-Jul-20 A																												
Design-Build		1722	06-Oct-19 A	17-Jul-24																												
CD82770	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 1	0	06-Oct-19 A																													
CD33350	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 1	0	06-Jul-20 A																													
CD32690	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1	300	06-Jul-20 A	30-Sep-22																												
CD32700	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1	180	14-Sep-20 A	30-Nov-22																												
CD80940	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 1	0		13-Jan-23*																												
CD84760	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 1	966	06-Jul-20 A	19-Mar-24																												
CD10950	Construction - CD Gravity Sludge Thickeners Plant 1	786	29-Sep-20 A	19-Mar-24																												
CD86290	Commissioning - CD Gravity Sludge Thickeners Plant 1	30	19-Feb-24	19-Mar-24																												
CD11160	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 1	0		19-Mar-24*																												
CD40100	Project Closeout - CD Gravity Sludge Thickeners Plant 1	120	20-Mar-24	17-Jul-24*																												
Project Administration		2039	16-Jun-15 A	17-Jul-24																												

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD34050	WASD Project Administration - CD Gravity Sludge Thickeners Plant 1	2039	16-Jun-15 A	17-Jul-24	WASD Project Administration - CD Gravity Sludge Thickeners Plant 1																							
2.13 Gravity Sludge Thickeners Plant 2					17-Jul-24, 2.13: Gravity Sludge Thickeners Plant 2																							
Pre-Design																												
CD21080	Negotiate/Award Balance of Design - CD Gravity Sludge Thickeners Plant 2	58	01-Feb-15 A	31-Mar-15 A																								
Engineering Design																												
CD21020	Complete Technical Memorandum - CD Gravity Sludge Thickeners Plant 2	896	11-Jun-14 A	31-Jan-15 A																								
CD82780	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	235	01-Oct-15 A	31-Jan-15 A																								
CD21730	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 2	0	01-Oct-15 A	22-Dec-15 A																								
CD21740	BODR Design Review - CD Gravity Sludge Thickeners Plant 2	236	23-Dec-15 A	27-Jan-16 A																								
CD10510	Engineering Design - CD Gravity Sludge Thickeners Plant 2	36	11-Jun-14 A	29-Mar-16 A																								
CD41070	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 2	658	29-Mar-16 A	29-Mar-16 A																								
CD30160	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2	0	28-Jan-16 A	26-Apr-16 A																								
CD30190	DCP Design Review - CD Gravity Sludge Thickeners Plant 2	90	27-Apr-16 A	19-May-16 A																								
CD80950	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	23	22-Jul-16 A	22-Jul-16 A																								
CD33370	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 2	298	04-Jan-16 A	27-Oct-16 A																								
CD30200	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2	188	20-May-16 A	23-Nov-16 A																								
Permitting																												
CD30230	FDEP Permit - CD Gravity Sludge Thickeners Plant 2	1217	29-Jan-16 A	05-Mar-20 A																								
CD87130	FDEP Permit (Revised BODR) - CD Gravity Sludge Thickeners Plant 2	126	29-Jan-16 A	02-Jun-16 A																								
Procurement																												
CD33380	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 2	60	19-Mar-19 A	05-Mar-20 A																								
CD33390	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 2	1624	29-Mar-16 A	03-Jul-20 A																								
CD33400	Advertise RDBS - CD Gravity Sludge Thickeners Plant 2	0	29-Mar-16 A	19-Jul-16 A																								
CD33410	Request for Qualifications - CD Gravity Sludge Thickeners Plant 2	113	29-Mar-16 A	19-Jul-16 A																								
CD33420	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 2	0	20-Jul-16 A	16-Sep-16 A																								
CD33430	Qualification Review Period - CD Gravity Sludge Thickeners Plant 2	59	20-Jul-16 A	16-Sep-16 A																								
CD33440	Shortlist Published - CD Gravity Sludge Thickeners Plant 2	0	17-Sep-16 A	16-Dec-16 A																								
CD82800	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 2	0	17-Sep-16 A	16-Dec-16 A																								
CD33450	Request for Proposals - CD Gravity Sludge Thickeners Plant 2	91	17-Sep-16 A	16-Dec-16 A																								
CD33460	Proposals Due - CD Gravity Sludge Thickeners Plant 2	0	06-Apr-17 A	04-May-17 A																								
CD33470	Proposal Review Period & Oral Presentations - CD Gravity Sludge Thickeners Plant 2	101	24-Jan-17 A	04-May-17 A																								
CD33480	Award Recommendation - CD Gravity Sludge Thickeners Plant 2	0	05-May-17 A	24-Aug-17 A																								
CD33490	Contract Negotiations - CD Gravity Sludge Thickeners Plant 2	112	05-May-17 A	24-Aug-17 A																								
CD80970	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 2**	53	25-Aug-17 A	17-Nov-17 A																								
CD33500	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 2	0	05-Apr-18 A	01-May-18 A																								
CD86120	Bid Cancellation - CD Gravity Sludge Thickeners Plant 2	79	18-Nov-17 A	30-May-18 A																								
CD86180	TA Re-Negotiation and Approval - CD Gravity Sludge Thickeners Plant 2	0	11-May-18 A	23-Jul-18 A																								
CD86610	Receipt of Revised Scope of Services, Submit DRAFT Review item to ISD/SBD for future solicitation, review and comments	60	09-Aug-18 A	28-Aug-18 A																								
CD86620	Submit approved Review item to SBD, Receipt of SBD Worksheet, Request to Advertise; approval from WASD and OMB	20	09-Aug-18 A	08-Nov-18 A																								
CD86630	Project Advertisement (after signed RTA) - CD Gravity Sludge Thickeners Plant 2	40	19-Sep-18 A	08-Nov-18 A																								
CD86660	Select and Approve Competitive Selection Committee (CSC) - CD Gravity Sludge Thickeners Plant 2	0	08-Nov-18 A	04-Jan-19 A																								
CD86640	Step 1 - Submittal Due Date - CD Gravity Sludge Thickeners Plant 2	40	19-Sep-18 A	04-Jan-19 A																								
CD86650	Step 1 - Qualifications Evaluation/Meeting - CD Gravity Sludge Thickeners Plant 2	40	09-Nov-18 A	11-Jan-19 A																								
CD87000	Issue DCP and Request for Proposals - CD Gravity Sludge Thickeners Plant 2	30	12-Jan-19 A	06-Mar-19 A																								
CD86680	Step 2 Submittal Due Date - CD Gravity Sludge Thickeners Plant 2	15	12-Mar-19 A	19-Mar-19 A																								
CD86700	Step 2 Meeting - CD Gravity Sludge Thickeners Plant 2	54	18-Mar-19 A	10-May-19 A																								
CD86690	Step 2 Proposal Review and Evaluation - CD Gravity Sludge Thickeners Plant 2	30	10-May-19 A	12-Jun-19 A																								
CD86710	Negotiation Memo submitted / Approved by WASD Director - CD Gravity Sludge Thickeners Plant 2	76	11-May-19 A	12-Jun-19 A																								
CD86730	Negotiations Commence - Contract provided to Firm (1st meeting) - CD Gravity Sludge Thickeners Plant 2	60	13-Jun-19 A	01-Jul-19 A																								
CD86740	Negotiations Concluded and preparation of final Contract - CD Gravity Sludge Thickeners Plant 2	60	02-Jul-19 A	09-Aug-19 A																								
CD86750	Contract Executed by Firm and obtain County Attorney, Risk Management and OMB signatures	162	10-Aug-19 A	26-Sep-19 A																								
CD86760	Submit Contract Award Recommendation/Contract for internal approvals - CD Gravity Sludge Thickeners Plant 2	78	27-Sep-19 A	13-Dec-19 A																								
CD86770	Submit/Approval of item to Agenda Coordinator for committee & BCC Ratification - CD Gravity Sludge Thickeners Plant 2	21	14-Dec-19 A	28-Feb-20 A																								
CD10860	Procurement - CD Gravity Sludge Thickeners Plant 2	62	29-Feb-20 A	05-May-20 A																								
CD85960	Repackage and Rebid Project - CD Gravity Sludge Thickeners Plant 2	679	29-Mar-16 A	03-Jul-20 A																								
CD86780	Issue NTP - CD Gravity Sludge Thickeners Plant 2	739	09-Aug-18 A	03-Jul-20 A																								
Design-Build																												
CD82810	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 2**	59	06-Apr-18 A	17-Jul-24																								
CD33510	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 2	0	06-Jul-20 A	30-Sep-22																								
CD30240	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2	180	14-Sep-20 A	30-Nov-22																								
CD80980	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 2	0	13-Jan-23*	13-Jan-23*																								
CD84770	Design-Builder Contract Duration - CD Gravity Sludge Thickeners Plant 2	966	06-Jul-20 A	19-Mar-24																								
CD11040	Construction - CD Gravity Sludge Thickeners Plant 2	786	29-Sep-20 A	19-Mar-24																								
CD86300	Commissioning - CD Gravity Sludge Thickeners Plant 2	30	19-Feb-24	19-Mar-24																								
CD11200	Substantial Completion (CD Compliance Date 1/13/23) - CD Gravity Sludge Thickeners Plant 2	0	19-Mar-24*	19-Mar-24*																								
CD40110	Project Closeout - CD Gravity Sludge Thickeners Plant 2	120	20-Mar-24	17-Jul-24*																								
Project Administration																												
CD34060	WASD Project Administration - CD Gravity Sludge Thickeners Plant 2	2085	01-May-15 A	17-Jul-24																								
2.14 Digesters Plant 1					17-Jul-24, Project Administration																							
2.14.1 Cluster 1					11-Dec-25, 2022																							
Pre-Design																												
CD84520	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 1	2752	21-May-18 A	11-Dec-25																								
CD11312	Pre-Design - CD Digesters Plant 1 Cluster 1	1646	21-May-18 A	01-Dec-22																								

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																					
					2018	2019	2020	2021	2022	2023	2024	2025	2026													
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Engineering Design					03-Jul-23, Engineering Design																					
CD82820	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0	01-May-20 A	03-Jul-23	◆ EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 1																					
CD80990	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0	01-May-20 A	28-Feb-21 A	◆ EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 1																					
CD21320	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1	30	02-Dec-22	31-Dec-22	◆ Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1																					
CD21330	30% Design Submittal - CD Digesters Plant 1 Cluster 1	28	01-Jan-23	28-Jan-23	■ 30% Design Submittal - CD Digesters Plant 1 Cluster 1																					
CD21340	30% Design Review - CD Digesters Plant 1 Cluster 1	14	29-Jan-23	11-Feb-23	■ 30% Design Review - CD Digesters Plant 1 Cluster 1																					
CD21350	60% Design Submittal - CD Digesters Plant 1 Cluster 1	49	12-Feb-23	01-Apr-23	■ 60% Design Submittal - CD Digesters Plant 1 Cluster 1																					
CD21360	60% Design Review - CD Digesters Plant 1 Cluster 1	14	02-Apr-23	15-Apr-23	■ 60% Design Review - CD Digesters Plant 1 Cluster 1																					
CD21370	100% Design Submittal - CD Digesters Plant 1 Cluster 1	49	16-Apr-23	03-Jun-23	■ 100% Design Submittal - CD Digesters Plant 1 Cluster 1																					
CD11260	Engineering Design - CD Digesters Plant 1 Cluster 1	214	02-Dec-22	03-Jul-23	■ Engineering Design - CD Digesters Plant 1 Cluster 1																					
CD40390	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 1	30	04-Jun-23	03-Jul-23	■ 100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 1																					
Permitting					01-Sep-23, Permitting																					
CD82830	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1	0	28-Feb-21 A	01-Sep-23	◆ EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1																					
CD81000	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 1	0	28-Feb-21 A	04-Nov-21 A	◆ EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 1																					
CD11310	Permitting - CD Digesters Plant 1 Cluster 1	60	04-Jul-23	01-Sep-23	■ Permitting - CD Digesters Plant 1 Cluster 1																					
Procurement					30-Mar-24, Procurement																					
CD82840	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 1	0	05-Nov-21 A	30-Mar-24	◆ EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 1																					
CD81010	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 1	0	05-Nov-21 A	04-Nov-22*	◆ EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 1																					
CD84050	Internal Bid Package Review - CD Digesters Plant 1 Cluster 1	2	02-Sep-23	03-Sep-23	■ Internal Bid Package Review - CD Digesters Plant 1 Cluster 1																					
CD31680	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1	0	04-Sep-23	03-Sep-23	◆ Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1																					
CD31690	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 1	60	04-Sep-23	02-Nov-23	■ Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 1																					
CD31700	Advertise Bid Package - CD Digesters Plant 1 Cluster 1	0	03-Nov-23	02-Nov-23	◆ Advertise Bid Package - CD Digesters Plant 1 Cluster 1																					
CD31710	Bid Solicitation Period - CD Digesters Plant 1 Cluster 1	60	03-Nov-23	01-Jan-24	■ Bid Solicitation Period - CD Digesters Plant 1 Cluster 1																					
CD31720	Bids Due - CD Digesters Plant 1 Cluster 1	0	02-Jan-24	01-Jan-24	◆ Bids Due - CD Digesters Plant 1 Cluster 1																					
CD31730	Bid Review Period - CD Digesters Plant 1 Cluster 1	30	02-Jan-24	31-Jan-24	■ Bid Review Period - CD Digesters Plant 1 Cluster 1																					
CD31740	Award Recommendation - CD Digesters Plant 1 Cluster 1	0	02-Jan-24	31-Jan-24	◆ Award Recommendation - CD Digesters Plant 1 Cluster 1																					
CD11430	Procurement - CD Digesters Plant 1 Cluster 1	209	04-Sep-23	30-Mar-24	■ Procurement - CD Digesters Plant 1 Cluster 1																					
CD31750	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 1	59	01-Feb-24	30-Mar-24	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 1																					
Construction					11-Dec-25, Construction																					
CD82850	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 1	0	05-Nov-22*	11-Dec-25	◆ EPA Start Date for Construction - CD Digesters Plant 1 Cluster 1																					
CD11538	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 1	0	31-Mar-24	11-Dec-25	◆ Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 1																					
CD81020	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 1	0	31-Mar-24	18-Jun-24*	◆ EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 1																					
CD11540	Construction - CD Digesters Plant 1 Cluster 1	531	31-Mar-24	12-Sep-25	■ Construction - CD Digesters Plant 1 Cluster 1																					
CD11620	Substantial Completion (CD Compliance Date 6/18/24) - CD Digesters Plant 1 Cluster 1	0	31-Mar-24	12-Sep-25*	◆ Substantial Completion - CD Digesters Plant 1 Cluster 1																					
CD40120	Project Closeout - CD Digesters Plant 1 Cluster 1	90	13-Sep-25	11-Dec-25*	■ Project Closeout - CD Digesters Plant 1 Cluster 1																					
Project Administration					11-Dec-25, Project Administration																					
CD34070	WASD Project Administration - CD Digesters Plant 1 Cluster 1	1106	02-Dec-22	11-Dec-25	■ WASD Project Administration - CD Digesters Plant 1 Cluster 1																					
2.14.2 Cluster 2					08-Apr-26, 2.14.2 Cluster 2																					
Pre-Design					29-Dec-22, Pre-Design																					
CD86150	Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 2	0	21-May-18 A	29-Dec-22	◆ Respond to EPA re. Project Repurposing - CD Digesters Plant 1 Cluster 2																					
CD11322	Pre-Design - CD Digesters Plant 1 Cluster 2	28	02-Dec-22*	29-Dec-22	■ Pre-Design - CD Digesters Plant 1 Cluster 2																					
Engineering Design					30-Aug-23, Engineering Design																					
CD82860	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0	01-Dec-21 A	30-Aug-23	◆ EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 2																					
CD81030	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0	01-Dec-21 A	06-Jun-22 A	◆ EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 2																					
CD21380	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 2	29	30-Dec-22	27-Jan-23	■ Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 2																					
CD21390	30% Design Submittal - CD Digesters Plant 1 Cluster 2	59	28-Jan-23	27-Mar-23	■ 30% Design Submittal - CD Digesters Plant 1 Cluster 2																					
CD21400	30% Design Review - CD Digesters Plant 1 Cluster 2	14	28-Mar-23	10-Apr-23	■ 30% Design Review - CD Digesters Plant 1 Cluster 2																					
CD21410	60% Design Submittal - CD Digesters Plant 1 Cluster 2	49	11-Apr-23	29-May-23	■ 60% Design Submittal - CD Digesters Plant 1 Cluster 2																					
CD21420	60% Design Review - CD Digesters Plant 1 Cluster 2	14	30-May-23	12-Jun-23	■ 60% Design Review - CD Digesters Plant 1 Cluster 2																					
CD21430	100% Design Submittal - CD Digesters Plant 1 Cluster 2	49	13-Jun-23	31-Jul-23	■ 100% Design Submittal - CD Digesters Plant 1 Cluster 2																					
CD11440	Engineering Design - CD Digesters Plant 1 Cluster 2	244	30-Dec-22	30-Aug-23	■ Engineering Design - CD Digesters Plant 1 Cluster 2																					
CD40400	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 2	30	01-Aug-23	30-Aug-23	■ 100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 2																					
Permitting					26-Nov-23, Permitting																					
CD82870	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 2	0	07-Jun-22 A	26-Nov-23	◆ EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 2																					
CD81040	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 2	0	07-Jun-22 A	06-Jun-23*	◆ EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 2																					
CD11470	Permitting - CD Digesters Plant 1 Cluster 2	88	31-Aug-23	26-Nov-23	■ Permitting - CD Digesters Plant 1 Cluster 2																					
Procurement					25-Jul-24, Procurement																					
CD82880	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 2	0	07-Jun-23*	25-Jul-24	◆ EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 2																					
CD84060	Internal Bid Package Review - CD Digesters Plant 1 Cluster 2	3	27-Nov-23	29-Nov-23	■ Internal Bid Package Review - CD Digesters Plant 1 Cluster 2																					
CD31760	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 2	0	30-Nov-23	29-Nov-23	◆ Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 2																					
CD31770	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 2	60	30-Nov-23	28-Jan-24	■ Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 2																					
CD31780	Advertise Bid Package - CD Digesters Plant 1 Cluster 2	0	29-Jan-24	28-Jan-24	◆ Advertise Bid Package - CD Digesters Plant 1 Cluster 2																					
CD31790	Bid Solicitation Period - CD Digesters Plant 1 Cluster 2	60	29-Jan-24	28-Mar-24	■ Bid Solicitation Period - CD Digesters Plant 1 Cluster 2																					
CD31800	Bids Due - CD Digesters Plant 1 Cluster 2	0	29-Mar-24	28-Mar-24	◆ Bids Due - CD Digesters Plant 1 Cluster 2																					
CD31810	Bid Review Period - CD Digesters Plant 1 Cluster 2	30	29-Mar-24	27-Apr-24	■ Bid Review Period - CD Digesters Plant 1 Cluster 2																					
CD31820	Award Recommendation - CD Digesters Plant 1 Cluster 2	0	29-Mar-24	27-Apr-24	◆ Award Recommendation - CD Digesters Plant 1 Cluster 2																					
CD81050	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 2	0	05-Jun-24*	27-Apr-24	◆ EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 2																					
CD11550	Procurement - CD Digesters Plant 1 Cluster 2	239	30-Nov-23	25-Jul-24	■ Procurement - CD Digesters Plant 1 Cluster 2																					
CD31830	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 2	89	28-Apr-24	25-Jul-24	■ Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 2																					
Construction					08-Apr-26, Construction																					
CD84800	Construction - CD Digesters Plant 1 Covers Demolition	365	14-Mar-17 A	24-Jun-18 A	■ Construction - CD Digesters Plant 1 Covers Demolition																					
CD82890	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 2	0	06-Jun-24*	08-Apr-26	◆ EPA Start Date for Construction - CD Digesters Plant 1 Cluster 2																					
CD11608	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 2	0	26-Jul-24	08-Apr-26	◆ Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 2																					
CD11610	Construction - CD Digesters Plant 1 Cluster 2	532	26-Jul-24	08-Jan-26	■ Construction - CD Digesters Plant 1 Cluster 2																					

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD31890	Bid Review Period - CD Digesters Plant 2 Cluster 2	41	23-Feb-18 A	18-May-18 A	[Gantt bar: 23-Feb-18 A to 18-May-18 A]																			
CD31900	Award Recommendation - CD Digesters Plant 2 Cluster 2	0		18-May-18 A	[Milestone: 18-May-18 A]																			
CD10760	Procurement - CD Digesters Plant 2 Cluster 2	385	25-Jul-17 A	09-Jul-18 A	[Gantt bar: 25-Jul-17 A to 09-Jul-18 A]																			
CD31910	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2	89	19-May-18 A	09-Jul-18 A	[Gantt bar: 19-May-18 A to 09-Jul-18 A]																			
CD82960	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2	0	08-Dec-19 A		[Milestone: 08-Dec-19 A]																			
CD81130	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2	0		06-Dec-20 A	[Milestone: 06-Dec-20 A]																			
Construction					18-Jun-23, Construction																			
CD10978	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2	0	10-Jul-18 A		[Milestone: 10-Jul-18 A]																			
CD82970	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2	0	07-Dec-20 A		[Milestone: 07-Dec-20 A]																			
CD10980	Construction - CD Digesters Plant 2 Cluster 2	450	10-Jul-18 A	04-Nov-22	[Gantt bar: 10-Jul-18 A to 04-Nov-22]																			
CD86320	Commissioning - CD Digesters Plant 2 Cluster 2	90	07-Aug-22	04-Nov-22	[Gantt bar: 07-Aug-22 to 04-Nov-22]																			
CD11170	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 2	0		04-Nov-22*	[Milestone: 04-Nov-22*]																			
CD40150	Project Closeout - CD Digesters Plant 2 Cluster 2	60	05-Nov-22	03-Jan-23*	[Gantt bar: 05-Nov-22 to 03-Jan-23*]																			
CD81140	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 2	0		18-Jun-23*	[Milestone: 18-Jun-23*]																			
Project Administration					03-Jan-23, Project Administration																			
CD34100	WASD Project Administration - CD Digesters Plant 2 Cluster 2	1837	05-May-15 A	03-Jan-23	[Gantt bar: 05-May-15 A to 03-Jan-23]																			
2.15.3 Cluster 3					06-Jul-24, 2.15.3 Cluster 3																			
Pre-Design					17 A, Pre-Design																			
CD12191	Pre-Design - CD Digesters Plant 2 Cluster 3	483	13-Apr-16 A	09-Aug-17 A	[Gantt bar: 13-Apr-16 A to 09-Aug-17 A]																			
Engineering Design					07-Dec-18 A, Engineering Design																			
CD84250	Field Investigations - CD Digesters Plant 2 Cluster 3	31	09-Aug-17 A	08-Sep-17 A	[Gantt bar: 09-Aug-17 A to 08-Sep-17 A]																			
CD82980	EPA Start Date for Design - CD Digesters Plant 2 Cluster 3	0	10-Jan-18 A		[Milestone: 10-Jan-18 A]																			
CD84260	100% Design Submittal - CD Digesters Plant 2 Cluster 3	47	11-Sep-17 A	25-Jan-18 A	[Gantt bar: 11-Sep-17 A to 25-Jan-18 A]																			
CD10300	Engineering Design - CD Digesters Plant 2 Cluster 3	203	09-Aug-17 A	14-Mar-18 A	[Gantt bar: 09-Aug-17 A to 14-Mar-18 A]																			
CD40460	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	22	26-Jan-18 A	14-Mar-18 A	[Gantt bar: 26-Jan-18 A to 14-Mar-18 A]																			
CD81150	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3	0		07-Dec-18 A	[Milestone: 07-Dec-18 A]																			
Permitting					24-Sep-20 A, Permitting																			
CD85800	DERM Permit - CD Digesters Plant 2 Cluster 3	180	14-Mar-18 A	13-Apr-18 A	[Gantt bar: 14-Mar-18 A to 13-Apr-18 A]																			
CD82990	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3	0	08-Dec-18 A		[Milestone: 08-Dec-18 A]																			
CD10400	Permitting - CD Digesters Plant 2 Cluster 3	0	14-Mar-18 A	01-Apr-19 A	[Gantt bar: 14-Mar-18 A to 01-Apr-19 A]																			
CD85810	City of Miami Building Permit - CD Digesters Plant 2 Cluster 3	90	14-Apr-18 A	01-Apr-19 A	[Gantt bar: 14-Apr-18 A to 01-Apr-19 A]																			
CD81670	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3	0		07-Dec-19 A	[Milestone: 07-Dec-19 A]																			
CD87310	Re-Permitting - CD Digesters Plant 2 Cluster 3	62	11-Sep-20 A	24-Sep-20 A	[Gantt bar: 11-Sep-20 A to 24-Sep-20 A]																			
Procurement					05-Aug-22, Procurement																			
CD84080	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	31	08-Dec-18 A	22-Jan-19 A	[Gantt bar: 08-Dec-18 A to 22-Jan-19 A]																			
CD31920	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3	0	31-Jan-19 A		[Milestone: 31-Jan-19 A]																			
CD31930	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3	60	31-Jan-19 A	03-Apr-19 A	[Gantt bar: 31-Jan-19 A to 03-Apr-19 A]																			
CD31940	Advertise Bid Package - CD Digesters Plant 2 Cluster 3	0	02-May-19 A		[Milestone: 02-May-19 A]																			
CD87200	Bid Postponement - CD Digesters Plant 2 Cluster 3	0	13-May-19 A		[Milestone: 13-May-19 A]																			
CD83000	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3	0	08-Dec-19 A		[Milestone: 08-Dec-19 A]																			
CD87220	Revised Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	60	12-Mar-20 A	29-Mar-20 A	[Gantt bar: 12-Mar-20 A to 29-Mar-20 A]																			
CD87230	Design Documents Sent to Procurement (Re-bid) - CD Digesters Plant 2 Cluster 3	0	30-Mar-20 A		[Milestone: 30-Mar-20 A]																			
CD87350	Procurement ON HOLD - CD Digesters Plant 2 Cluster 3	0	31-Mar-20 A		[Milestone: 31-Mar-20 A]																			
CD81170	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 3	0		06-Dec-20 A	[Milestone: 06-Dec-20 A]																			
CD87370	Revised Bid Package Preparation / Review(Re-bid) - CD Digesters Plant 2 Cluster 3	59	08-Feb-21 A	22-Apr-21 A	[Gantt bar: 08-Feb-21 A to 22-Apr-21 A]																			
CD87360	Revised Design Documents Sent to Procurement (Re-bid) - CD Digesters Plant 2 Cluster 3	0	23-Apr-21 A		[Milestone: 23-Apr-21 A]																			
CD87240	Submit/Approve SBD Goals and Request to Advertise (Re-bid) - CD Digesters Plant 2 Cluster 3	60	23-Apr-21 A	12-Aug-21 A	[Gantt bar: 23-Apr-21 A to 12-Aug-21 A]																			
CD87250	Advertise Bid Package (Re-bid) - CD Digesters Plant 2 Cluster 3	0	12-Aug-21 A		[Milestone: 12-Aug-21 A]																			
CD31950	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3	60	13-Aug-21 A	03-Oct-21 A	[Gantt bar: 13-Aug-21 A to 03-Oct-21 A]																			
CD31960	Bids Due - CD Digesters Plant 2 Cluster 3	0	04-Oct-21 A		[Milestone: 04-Oct-21 A]																			
CD31970	Bid Review Period - CD Digesters Plant 2 Cluster 3	30	04-Oct-21 A	22-Nov-21 A	[Gantt bar: 04-Oct-21 A to 22-Nov-21 A]																			
CD31980	Award Recommendation - CD Digesters Plant 2 Cluster 3	0		22-Nov-21 A	[Milestone: 22-Nov-21 A]																			
CD10640	Procurement - CD Digesters Plant 2 Cluster 3	270	31-Jan-19 A	05-Aug-22	[Gantt bar: 31-Jan-19 A to 05-Aug-22]																			
CD31990	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3	100	23-Nov-21 A	05-Aug-22	[Gantt bar: 23-Nov-21 A to 05-Aug-22]																			
Construction					06-Jul-24, Construction																			
CD83010	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3	0	07-Dec-20 A		[Milestone: 07-Dec-20 A]																			
CD10878	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3	0	07-Aug-22		[Milestone: 07-Aug-22]																			
CD81180	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 3	0		18-Jun-23*	[Milestone: 18-Jun-23*]																			
CD10880	Construction - CD Digesters Plant 2 Cluster 3	610	07-Aug-22	07-Apr-24	[Gantt bar: 07-Aug-22 to 07-Apr-24]																			
CD86330	Commissioning - CD Digesters Plant 2 Cluster 3	30	09-Mar-24	07-Apr-24	[Gantt bar: 09-Mar-24 to 07-Apr-24]																			
CD11140	Substantial Completion (CD Compliance Date 6/18/23) - CD Digesters Plant 2 Cluster 3	0		07-Apr-24*	[Milestone: 07-Apr-24*]																			
CD40160	Project Closeout - CD Digesters Plant 2 Cluster 3	90	08-Apr-24	06-Jul-24*	[Gantt bar: 08-Apr-24 to 06-Jul-24*]																			
Project Administration					06-Jul-24, Project Administration																			
CD34110	WASD Project Administration - CD Digesters Plant 2 Cluster 3	1245	09-Aug-17 A	06-Jul-24	[Gantt bar: 09-Aug-17 A to 06-Jul-24]																			
2.15.4 Cluster 4					17-Jul-24, 2.16 Dewatering Building																			
Pre-Design					7 A, Engineering Design																			
CD12211	Pre-Design - CD Dewatering Building	86	02-Feb-15 A	29-Apr-15 A	[Gantt bar: 02-Feb-15 A to 29-Apr-15 A]																			
Engineering Design					Building																			
CD21180	Basis of Design Report (BODR) - CD Dewatering Building	87	02-Feb-15 A	29-Apr-15 A	[Gantt bar: 02-Feb-15 A to 29-Apr-15 A]																			
CD21190	BODR Review Period - CD Dewatering Building	36	23-Dec-15 A	27-Jan-16 A	[Gantt bar: 23-Dec-15 A to 27-Jan-16 A]																			
CD10170	Engineering Design - CD Dewatering Building	335	30-Apr-15 A	29-Mar-16 A	[Gantt bar: 30-Apr-15 A to 29-Mar-16 A]																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Permitting																								
CD83110	EPA Start Date for Permitting - CD Chlorination Facilities	691	08-Sep-14 A	30-Jul-16 A																				
CD10250	Permitting - CD Chlorination Facilities	0	08-Sep-14 A																					
CD80050	City of Miami Building Permit - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A																				
CD81440	EPA Compliance Date for Permitting - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A																				
CD81440	EPA Compliance Date for Permitting - CD Chlorination Facilities	0		30-Jul-16 A																				
Procurement																								
CD32160	Design Documents Sent to Procurement - CD Chlorination Facilities	582	16-Nov-15 A	20-Jun-17 A																				
CD32170	Submit/Approve SBD Goals and Request to Advertise - CD Chlorination Facilities	0	16-Nov-15 A																					
CD32180	Advertise Bid Package - CD Chlorination Facilities	42	16-Nov-15 A	27-Dec-15 A																				
CD32190	Bid Solicitation Period - CD Chlorination Facilities	0	28-Dec-15 A																					
CD32200	Bids Due - CD Chlorination Facilities	42	28-Dec-15 A	07-Feb-16 A																				
CD83120	EPA Start Date for Procurement - CD Chlorination Facilities	0	08-Feb-16 A																					
CD32210	Bid Review Period - CD Chlorination Facilities	0	08-Feb-16 A																					
CD32220	Award Recommendation - CD Chlorination Facilities	14	08-Feb-16 A	21-Feb-16 A																				
CD10260	Procurement - CD Chlorination Facilities	0		22-Feb-16 A																				
CD10260	Procurement - CD Chlorination Facilities	135	16-Nov-15 A	29-Mar-16 A																				
CD32230	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities	37	22-Feb-16 A	29-Mar-16 A																				
CD81450	EPA Compliance Date for Procurement - CD Chlorination Facilities	0		06-Sep-16 A																				
CD33070	Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities	0		21-Sep-16 A																				
CD33100	Vendor NTP (RTU) - CD Chlorination Facilities	250	16-Jan-16 A	21-Sep-16 A																				
CD32600	Owner Pre-Purchase RTU - CD Chlorination Facilities	0		21-Sep-16 A																				
CD33110	Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities	522	16-Jan-16 A	20-Jun-17 A																				
CD33110	Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities	273	21-Sep-16 A	20-Jun-17 A																				
Construction																								
CD10498	Contractor Notice to Proceed (NTP) - CD Chlorination Facilities	926	18-Apr-16 A	15-May-21 A																				
CD83130	EPA Start Date for Construction - CD Chlorination Facilities	0	18-Apr-16 A																					
CD10500	Construction - CD Chlorination Facilities	0	07-Sep-16 A																					
CD86350	Commissioning - CD Chlorination Facilities	580	18-Apr-16 A	27-Jul-18 A																				
CD10700	Substantial Completion (CD Compliance Date 10/15/18) - CD Chlorination Facilities	30	26-Jun-18 A	27-Jul-18 A																				
CD81460	EPA Compliance Date for Construction - CD Chlorination Facilities	0		15-Oct-18 A																				
CD40190	Project Closeout - CD Chlorination Facilities	15	11-Aug-18 A	15-May-21 A																				
Project Administration																								
CD34140	WASD Project Administration - CD Chlorination Facilities	1600	01-Oct-13 A	15-May-21 A																				
2.18 Odor Control Systems																								
Engineering Design																								
CD10280	Engineering Design - CD Odor Control Systems	3573	06-Oct-14 A	17-Jul-24																				
CD83140	EPA Start Date for Engineering Design - CD Odor Control Systems	985	06-Oct-14 A	17-Jun-17 A																				
CD81470	EPA Compliance Date for Engineering Design - CD Odor Control Systems	541	06-Oct-14 A	29-Mar-16 A																				
Permitting																								
CD10410	Permitting (Summary) - CD Odor Control Systems	0	01-Oct-16 A																					
CD83150	EPA Start Date for Permitting - CD Odor Control Systems	883	29-Jan-16 A	17-Jun-18 A																				
CD81480	EPA Compliance Date for Permitting - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A																				
Procurement																								
CD83160	EPA Start Date for Procurement - CD Odor Control Systems	0		17-Jun-19 A																				
CD81490	EPA Compliance Date for Procurement - CD Odor Control Systems	0		18-Jun-17 A																				
CD10650	Procurement (Summary) - CD Odor Control Systems	701	07-Mar-16 A	03-Jul-20 A																				
Construction																								
CD83170	EPA Start Date for Construction - CD Odor Control Systems	2759	30-Aug-16 A	19-Mar-24																				
CD81500	EPA Compliance Date for Construction - CD Odor Control Systems	0	18-Jun-19 A																					
CD10890	Construction (Summary) - CD Odor Control Systems	0		13-Jan-23*																				
CD11070	Substantial Completion (CD Compliance Date 1/13/23) - CD Odor Control Systems	1508	30-Aug-16 A	19-Mar-24																				
Project Administration																								
CD34150	WASD Project Administration - CD Odor Control Systems	2292	06-Oct-14 A	17-Jul-24																				
2.18 (1) Headworks Odor Controls System (Project 2.03/2.04)																								
Engineering Design																								
CD21270	Engineering Design (Headworks) - CD Odor Control Systems	1315	06-Oct-14 A	11-Sep-19 A																				
Permitting																								
CD40410	Permitting (Headworks) - CD Odor Control Systems	479	06-Oct-14 A	28-Jan-16 A																				
Procurement																								
CD32250	Procurement (Headworks) - CD Odor Control Systems	189	29-Jan-16 A	05-Aug-16 A																				
Construction																								
CD40430	Construction (Headworks) - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A																				
Project Administration																								
CD85200	WASD Project Administration - CD Odor Control Systems	175	07-Mar-16 A	29-Aug-16 A																				
2.18 (2) Dewatering Odor Control System (Project 2.16)																								
Engineering Design																								
CD21290	Engineering Design (Dewatering) - CD Odor Control Systems	176	07-Mar-16 A	29-Aug-16 A																				
Procurement																								
CD32270	Procurement (Dewatering) - CD Odor Control Systems	560	30-Aug-16 A	11-Sep-19 A																				
Construction																								
CD85980	Final Engineering by Design-Builder - CD Odor Control Systems	560	30-Aug-16 A	11-Sep-19 A																				
CD85990	AHJ Permit Review - CD Odor Control Systems	621	06-Oct-14 A	11-Sep-19 A																				
CD40440	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems	621	06-Oct-14 A	11-Sep-19 A																				
CD86000	Construction - CD Odor Control Systems	3366	01-May-15 A	17-Jul-24																				
CD40200	Project Closeout - CD Odor Control Systems	333	01-May-15 A	29-Mar-16 A																				
Project Administration																								
CD85210	WASD Project Administration - CD Odor Control Systems	679	29-Mar-16 A	03-Jul-20 A																				
Final Engineering by Design-Builder - CD Odor Control Systems																								
CD85980	Final Engineering by Design-Builder - CD Odor Control Systems	300	06-Jul-20 A	30-Sep-22																				
CD85990	AHJ Permit Review - CD Odor Control Systems	180	14-Sep-20 A	30-Nov-22																				
CD40440	Design-Builder Contract Duration (Dewatering) - CD Odor Control Systems	966	06-Jul-20 A	19-Mar-24																				
CD86000	Construction - CD Odor Control Systems	786	29-Sep-20 A	19-Mar-24																				
CD40200	Project Closeout - CD Odor Control Systems	120	20-Mar-24	17-Jul-24*																				
Project Administration																								
CD85210	WASD Project Administration - CD Odor Control Systems	818	01-May-15 A	17-Jul-24																				

Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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
2.19 Co-Gen Improvements		3691	22-Nov-12 A	30-Dec-22	30-Dec-22, 2.19 Co-Gen Improvements																																			
Engineering Design		1453	22-Nov-12 A	14-Nov-16 A	Design																																			
CD83180	EPA Start Date for Engineering Design - CD Co-Gen Improvements	0	01-May-14 A																																					
CD10140	Engineering Design - CD Co-Gen Improvements	1440	22-Nov-12 A	31-Oct-16 A	Co-Gen Improvements																																			
CD81510	EPA Compliance Date for Engineering Design - CD Co-Gen Improvements	0		14-Nov-16 A	Engineering Design - CD Co-Gen Improvements																																			
Permitting		1663	12-Mar-13 A	29-Sep-17 A	EPA-17 A Permitting																																			
CD83190	EPA Start Date for Permitting - CD Co-Gen Improvements	0	18-Aug-15 A																																					
CD10470	Permitting - CD Co-Gen Improvements	1607	12-Mar-13 A	04-Aug-17 A	Permitting - CD Co-Gen Improvements																																			
CD81520	EPA Compliance Date for Permitting - CD Co-Gen Improvements	0		29-Sep-17 A	Compliance Date for Permitting - CD Co-Gen Improvements																																			
Procurement		1480	12-Mar-14 A	29-Nov-18 A	29-Nov-18 A Procurement																																			
CD83200	EPA Start Date for Procurement - CD Co-Gen Improvements	0	17-Aug-16 A																																					
CD81530	EPA Compliance Date for Procurement - CD Co-Gen Improvements	0		30-Mar-18 A	CD Co-Gen Improvements																																			
CD10480	Procurement - CD Co-Gen Improvements	1426	12-Mar-14 A	29-Nov-18 A	EPA Compliance Date for Procurement - CD Co-Gen Improvements																																			
Construction		3046	30-Jul-14 A	30-Nov-22	30-Nov-22, Construction																																			
CD83210	EPA Start Date for Construction - CD Co-Gen Improvements	0	31-Aug-17 A																																					
CD81540	EPA Compliance Date for Construction - CD Co-Gen Improvements	0		21-May-20 A	CD Co-Gen Improvements																																			
CD10680	Construction - CD Co-Gen Improvements	1746	30-Jul-14 A	30-Nov-22	EPA Compliance Date for Construction - CD Co-Gen Improvements																																			
CD11030	Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Improvements	0		30-Nov-22*	Construction - CD Co-Gen Improvements																																			
2.19 (1) Co-Gen Generator Replacement		1161	22-Nov-12 A	27-Jan-16 A	27-Jan-16 A																																			
Engineering Design		473	22-Nov-12 A	10-Mar-14 A	Design																																			
CD12001	Engineering Design - CD Co-Gen Generator Replacement	474	22-Nov-12 A	10-Mar-14 A	Engineering Design - CD Co-Gen Generator Replacement																																			
Permitting		365	12-Mar-13 A	11-Mar-14 A	Permitting																																			
CD12011	Permitting - CD Co-Gen Generator Replacement	365	12-Mar-13 A	11-Mar-14 A	Permitting - CD Co-Gen Generator Replacement																																			
Procurement		140	12-Mar-14 A	30-Jul-14 A	Procurement																																			
CD12021	Procurement - CD Co-Gen Generator Replacement	141	12-Mar-14 A	30-Jul-14 A	Procurement - CD Co-Gen Generator Replacement																																			
Construction		546	30-Jul-14 A	27-Jan-16 A	Construction																																			
CD12031	Construction - CD Co-Gen Generator Replacement	547	30-Jul-14 A	27-Jan-16 A	Construction - CD Co-Gen Generator Replacement																																			
CD12041	2.19 (1) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Generator Replacement	0		27-Jan-16 A	Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Generator Replacement																																			
Project Administration		1161	22-Nov-12 A	27-Jan-16 A	Project Administration																																			
CD34160	WASD Project Administration - CD Co-Gen Generator Replacement	1162	22-Nov-12 A	27-Jan-16 A	WASD Project Administration - CD Co-Gen Generator Replacement																																			
2.19 (2)a Co-Gen Biogas Treatment Facilities		2934	19-Dec-14 A	30-Dec-22	30-Dec-22, 2.19 (2)a Co-Gen Biogas Treatment Facilities																																			
Pre-Design		357	19-Dec-14 A	11-Dec-15 A	Pre-Design																																			
CD12231	Pre-Design - CD Co-Gen Biogas Treatment Facilities	167	19-Dec-14 A	03-Jun-15 A	Pre-Design - CD Co-Gen Biogas Treatment Facilities																																			
CD30320	Negotiate Final Design - CD Co-Gen Biogas Treatment Facilities	78	25-Sep-15 A	11-Dec-15 A	Negotiate Final Design - CD Co-Gen Biogas Treatment Facilities																																			
Engineering Design		456	04-Jun-15 A	02-Sep-16 A	Engineering Design																																			
CD21650	Alternatives Analysis Report - CD Co-Gen Biogas Treatment Facilities	119	04-Jun-15 A	30-Sep-15 A	Alternatives Analysis Report - CD Co-Gen Biogas Treatment Facilities																																			
CD33680	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities	70	17-Dec-15 A	24-Feb-16 A	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities																																			
CD21660	BODR Review Period - CD Co-Gen Biogas Treatment Facilities	7	25-Feb-16 A	02-Mar-16 A	BODR Review Period - CD Co-Gen Biogas Treatment Facilities																																			
CD21690	60% Design Submittal - CD Co-Gen Biogas Treatment Facilities	47	14-Mar-16 A	29-Apr-16 A	60% Design Submittal - CD Co-Gen Biogas Treatment Facilities																																			
CD21700	60% Design Review - CD Co-Gen Biogas Treatment Facilities	7	30-Apr-16 A	06-May-16 A	60% Design Review - CD Co-Gen Biogas Treatment Facilities																																			
CD21710	100% Design Submittal - CD Co-Gen Biogas Treatment Facilities	102	07-May-16 A	16-Aug-16 A	100% Design Submittal - CD Co-Gen Biogas Treatment Facilities																																			
CD12101	Engineering Design - CD Co-Gen Biogas Treatment Facilities	457	04-Jun-15 A	02-Sep-16 A	Engineering Design - CD Co-Gen Biogas Treatment Facilities																																			
CD40490	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities	17	17-Aug-16 A	02-Sep-16 A	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities																																			
Permitting		408	10-May-16 A	22-Jun-17 A	Permitting																																			
CD80250	FDEP Permit - CD Co-Gen Biogas Treatment Facilities	44	10-May-16 A	22-Jun-16 A	FDEP Permit - CD Co-Gen Biogas Treatment Facilities																																			
CD71060	DERM Permit - CD Co-Gen Biogas Treatment Facilities	10	06-Sep-16 A	15-Sep-16 A	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	ERP Permit - CD Co-Gen Biogas Treatment Facilities																																			
CD83510	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities	56	18-Oct-16 A	12-Dec-16 A	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities																																			
CD12111	Permitting - CD Co-Gen Biogas Treatment Facilities	409	10-May-16 A	22-Jun-17 A	Permitting - CD Co-Gen Biogas Treatment Facilities																																			
CD82320	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities	270	26-Sep-16 A	22-Jun-17 A	City of Miami Permit - CD Co-Gen Biogas Treatment Facilities																																			
Procurement		293	16-Sep-16 A	06-Jul-17 A	Procurement																																			
CD30690	Design Documents Sent to Procurement - CD Co-Gen Biogas Treatment Facilities	0	16-Sep-16 A																																					
CD30700	Submit/Approve SBD Goals and Request to Advertise - CD Co-Gen Biogas Treatment Facilities	62	16-Sep-16 A	16-Nov-16 A	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																																					
CD30720	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities	91	17-Nov-16 A	15-Feb-17 A	Bid Solicitation Period - CD Co-Gen Biogas Treatment Facilities																																			
CD30730	Bids Due - CD Co-Gen Biogas Treatment Facilities	0	16-Feb-17 A																																					
CD30740	Bid Review Period - CD Co-Gen Biogas Treatment Facilities	19	16-Feb-17 A	06-Mar-17 A	Bid Review Period - CD Co-Gen Biogas Treatment Facilities																																			
CD30750	Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		06-Mar-17 A	Award Recommendation - CD Co-Gen Biogas Treatment Facilities																																			
CD84830	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities	0		29-Jun-17 A	Updated Award Recommendation - CD Co-Gen Biogas Treatment Facilities																																			
CD12121	Procurement - CD Co-Gen Biogas Treatment Facilities	294	16-Sep-16 A	06-Jul-17 A	Procurement - CD Co-Gen Biogas Treatment Facilities																																			
CD30760	Final Approvals - CD Co-Gen Biogas Treatment Facilities	122	07-Mar-17 A	06-Jul-17 A	Final Approvals - CD Co-Gen Biogas Treatment Facilities																																			
Construction		1990	20-Jul-17 A	30-Dec-22	30-Dec-22, Construction																																			
CD12130	Contractor Notice to Proceed (NTP) - CD Co-Gen Biogas Treatment Facilities	0	20-Jul-17 A																																					
CD83530	Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities	0		26-Mar-19 A	Complete Switchgear Building Commissioning (Milestone #1) - CD Co-Gen Biogas Treatment Facilities																																			
CD12131	Construction - CD Co-Gen Biogas Treatment Facilities	660	20-Jul-17 A	04-Oct-19 A	Construction - CD Co-Gen Biogas Treatment Facilities																																			
CD86360	Initial Commissioning (With Air) - CD Co-Gen Biogas Treatment Facilities	55	26-May-19 A	04-Oct-19 A	Initial Commissioning (With Air) - CD Co-Gen Biogas Treatment Facilities																																			
CD87320	Construction Completion - CD Co-Gen Biogas Treatment Facilities	0		04-Oct-19 A	Construction Completion - CD Co-Gen Biogas Treatment Facilities																																			
CD87330	Final Commissioning (With Biogas) - CD Co-Gen Biogas Treatment Facilities	60	11-Sep-21 A	30-Nov-22	Final Commissioning (With Biogas) - CD Co-Gen Biogas Treatment Facilities																																			
CD12141	Biogas Testing Completion / Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities	0		30-Nov-22*	Biogas Testing Completion / Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Biogas Treatment Facilities																																			
CD40210	Project Closeout - CD Co-Gen Biogas Treatment Facilities	30	01-Dec-22	30-Dec-22*	Project Closeout - CD Co-Gen Biogas Treatment Facilities																																			
Project Administration		1527	04-Jun-15 A	30-Dec-22	Project Administration																																			
CD34170	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities	1527	04-Jun-15 A	30-Dec-22	WASD Project Administration - CD Co-Gen Biogas Treatment Facilities																																			
2.19 (2)b Co-Gen Restroom and Building Rehab		1557	14-Apr-16 A	31-Aug-22	31-Aug-22, 2.19 (2)b Co-Gen Restroom and Building Rehab																																			
Engineering Design		200	14-Apr-16 A	31-Oct-16 A	Design																																			
CD70980	Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab	28	14-Apr-16 A	11-May-16 A	Draft Basis of Design Report (BODR) - CD Co-Gen Restroom and Building Rehab																																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																											
					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		
CD70990	BODR Review Period - CD Co-Gen Restroom and Building Rehab	14	12-May-16 A	25-May-16 A	stroom and Building Rehab																											
CD71040	Final BODR - CD Co-Gen Restroom and Building Rehab	14	26-May-16 A	08-Jun-16 A	nd Building Rehab																											
CD71000	60% Design Submittal - CD Co-Gen Restroom and Building Rehab	59	09-Jun-16 A	06-Aug-16 A	en Restroom and Building Rehab																											
CD71010	60% Design Review - CD Co-Gen Restroom and Building Rehab	14	07-Aug-16 A	20-Aug-16 A	n Restroom and Building Rehab																											
CD71020	100% Design Submittal - CD Co-Gen Restroom and Building Rehab	26	21-Aug-16 A	15-Sep-16 A	o-Gen Restroom and Building Rehab																											
CD82110	Engineering Design - CD Co-Gen Restroom and Building Rehab	201	14-Apr-16 A	31-Oct-16 A	o-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	t Ready Submittal - CD Co-Gen Restroom and Building Rehab																											
Permitting					7 A, Permitting																											
CD71050	RER Permit - CD Co-Gen Restroom and Building Rehab	52	01-Nov-16 A	22-Dec-16 A	n Restroom and Building Rehab																											
CD82100	Permitting - CD Co-Gen Restroom and Building Rehab	277	01-Nov-16 A	04-Aug-17 A	g - 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	iami Permit - CD Co-Gen Restroom and Building Rehab																											
Procurement					29-Nov-18 A, Procurement																											
CD84160	GMOU submittal and approval - CD Co-Gen Restroom and Building Rehab	20	03-Feb-17 A	22-Feb-17 A	d 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	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		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	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		rtise Bid Package - CD Co-Gen Restroom and Building Rehab																											
CD82000	Bid Solicitation Period - CD Co-Gen Restroom and Building Rehab	42	26-Sep-17 A	18-Jan-18 A	Bid Solicitation Period - CD Co-Gen Restroom and Building Rehab																											
CD82010	Bids Due - CD Co-Gen Restroom and Building Rehab	0	19-Jan-18 A		Bids Due - CD Co-Gen Restroom and Building Rehab																											
CD82020	Bid Review Period - CD Co-Gen Restroom and Building Rehab	32	19-Jan-18 A	14-Feb-18 A	Bid Review Period - CD Co-Gen Restroom and Building Rehab																											
CD85500	Bids Cancelled - CD Co-Gen Restroom and Building Rehab	0		14-Feb-18 A	Bids Cancelled - CD Co-Gen Restroom and Building Rehab																											
CD85510	Bid Documents Revised (for Bid#2) - CD Co-Gen Restroom and Building Rehab	20	15-Feb-18 A	22-Feb-18 A	Bid Documents Revised (for Bid#2) - CD Co-Gen Restroom and Building Rehab																											
CD85520	Design Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	22-Feb-18 A		Design Documents Sent to Procurement (for Bid#2) - CD Co-Gen Restroom and Building Rehab																											
CD85530	SBD Goals / OCI Reviews and Provides List (for Bid#2) - CD Co-Gen Restroom and Building Rehab	20	23-Feb-18 A	25-Feb-18 A	SBD Goals / OCI Reviews and Provides List (for Bid#2) - CD Co-Gen Restroom and Building Rehab																											
CD85540	Advertise Bid Package (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	26-Feb-18 A		Advertise Bid Package (for Bid#2) - CD Co-Gen Restroom and Building Rehab																											
CD85550	Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab	45	26-Feb-18 A	05-Apr-18 A	Bid Solicitation Period (for Bid#2) - CD Co-Gen Restroom and Building Rehab																											
CD85560	Bid Due (for Bid#2) - CD Co-Gen Restroom and Building Rehab	0	06-Apr-18 A		Bid Due (for Bid#2) - 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	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	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	Bid Documents Revised (for Bid#3) - CD Co-Gen Restroom and Building Rehab																											
CD86020	Design Documents Sent to Procurement (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	08-Jun-18 A		Design Documents Sent to Procurement (for Bid#3) - CD Co-Gen Restroom and Building Rehab																											
CD86030	SBD Goals / OCI Reviews and Provides List (for Bid#3) - CD Co-Gen Restroom and Building Rehab	30	06-Jun-18 A	14-Jun-18 A	SBD Goals / OCI Reviews and Provides List (for Bid#3) - CD Co-Gen Restroom and Building Rehab																											
CD86040	Advertise Bid Package (for Bid#3) - CD Co-Gen Restroom and Building Rehab	0	14-Jun-18 A		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	26-Jul-18 A	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	27-Jul-18 A		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	27-Jul-18 A	29-Aug-18 A	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		29-Aug-18 A	Award Recommendation (for Bid#3) - CD Co-Gen Restroom and Building Rehab																											
CD82040	Procurement - CD Co-Gen Restroom and Building Rehab	81	18-Aug-17 A	29-Nov-18 A	Procurement - CD Co-Gen Restroom and Building Rehab																											
CD82050	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Co-Gen Restroom and Building Rehab	24	26-Aug-18 A	29-Nov-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Co-Gen Restroom and Building Rehab																											
Construction					31-Aug-22, Construction																											
CD82060	Contractor Notice to Proceed (NTP) - CD Co-Gen Restroom and Building Rehab	0	30-Nov-18 A		Contractor Notice to Proceed (NTP) - CD Co-Gen Restroom and Building Rehab																											
CD82070	Construction - CD Co-Gen Restroom and Building Rehab	300	30-Nov-18 A	18-May-20 A	Construction - CD Co-Gen Restroom and Building Rehab																											
CD86370	Commissioning - CD Co-Gen Restroom and Building Rehab	10	09-May-20 A	18-May-20 A	Commissioning - CD Co-Gen Restroom and Building Rehab																											
CD82080	2.19 (2b) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Restroom and Building Rehab	0		18-May-20 A	2.19 (2b) Substantial Completion (CD Compliance Date 5/21/20) - CD Co-Gen Restroom and Building Rehab																											
CD82090	Project Closeout - CD Co-Gen Restroom and Building Rehab	30	19-May-20 A	31-Aug-22*	Project Closeout - CD Co-Gen Restroom and Building Rehab																											
Project Administration					31-Aug-22, Project Administration																											
CD85220	WASD Project Administration - CD Co-Gen Restroom and Building Rehab	90	14-Apr-16 A	31-Aug-22	WASD Project Administration - CD Co-Gen Restroom and Building Rehab																											
2.20 Septage Unloading Station - Cancelled					31-Aug-22, 2.21 Pump Station No.1																											
Pre-Design					28-Dec-16 A																											
CD12241	Approval of Motion to Cancel Project - CD Septage Unloading Station	0	28-Dec-16 A	28-Dec-16 A	Cancel Project - CD Septage Unloading Station																											
2.21 Pump Station No.1					31-Aug-22, 2.21 Pump Station No.1																											
Pre-Design					25-Jan-18 A, Pre-Design																											
CD12251	Pre-Design - CD Pump Station No. 1	59	16-Jun-15 A	25-Jan-18 A	Pre-Design - CD Pump Station No. 1																											
CD85380	Pre-Design (Temp. Odor System) - CD Pump Station No. 1	59	21-Sep-17 A	25-Jan-18 A	Pre-Design (Temp. Odor System) - CD Pump Station No. 1																											
Engineering Design					22-Feb-18 A, Engineering Design																											
CD21440	Condition Assessment - CD Pump Station No. 1	70	13-Aug-15 A	08-Nov-15 A	Condition Assessment - CD Pump Station No. 1																											
CD21450	Condition Assessment Review Period - CD Pump Station No. 1	12	09-Nov-15 A	20-Nov-15 A	Condition Assessment Review Period - CD Pump Station No. 1																											
CD83260	EPA Start Date for Engineering Design - CD Pump Station No. 1	0	01-Oct-16 A		EPA Start Date for Engineering Design - CD Pump Station No. 1																											
CD33770	Negotiate Final Design - CD Pump Station No. 1	326	24-Nov-15 A	14-Oct-16 A	Negotiate Final Design - CD Pump Station No. 1																											
CD21460	BODR Design Submittal - CD Pump Station No. 1	32	15-Oct-16 A	15-Nov-16 A	BODR Design Submittal - CD Pump Station No. 1																											
CD21470	BODR Design Review - CD Pump Station No. 1	7	16-Nov-16 A	22-Nov-16 A	BODR Design Review - CD Pump Station No. 1																											
CD21490	60% / Charrette Design Submittal - CD Pump Station No. 1	38	23-Nov-16 A	30-Dec-16 A	60% / Charrette Design Submittal - CD Pump Station No. 1																											
CD83990	60% / Charrette Design Review - CD Pump Station No. 1	10	31-Dec-16 A	09-Jan-17 A	60% / Charrette Design Review - CD Pump Station No. 1																											
CD21500	100% Design Submittal - CD Pump Station No. 1	58	10-Jan-17 A	08-Mar-17 A	100% Design Submittal - CD Pump Station No. 1																											
CD10710	Engineering Design - CD Pump Station No. 1	638	13-Aug-15 A	11-May-17 A	Engineering Design - CD Pump Station No. 1																											
CD40500	100% Design Review/Permit Ready Submittal - CD Pump Station No. 1	64	09-Mar-17 A	11-May-17 A	100% Design Review/Permit Ready Submittal - CD Pump Station No. 1																											
CD81920	EPA Compliance Date for Engineering Design - CD Pump Station No. 1	0		30-Jun-17 A	EPA Compliance Date for Engineering Design - CD Pump Station No. 1																											
CD85390	Engineering Design (Tech. Spec.) for Temp. Odor System - CD Pump Station No. 1	66	26-Jan-18 A	22-Feb-18 A	Engineering Design (Tech. Spec.) for Temp. Odor System - CD Pump Station No. 1																											
Permitting					05-Feb-18 A, Permitting																											
CD80180	RER Permit - CD Pump Station No. 1	23	15-May-17 A	06-Jun-17 A	RER Permit - CD Pump Station No. 1																											
CD83270	EPA Start Date for Permitting - CD Pump Station No. 1	0	01-Jul-17 A		EPA Start Date for Permitting - CD Pump Station No. 1																											
CD10830	Permitting - CD Pump Station No. 1	264	15-May-17 A	08-Jan-18 A	Permitting - CD Pump Station No. 1																											
CD80200	City of Miami Permit - CD Pump Station No. 1	236	12-Jun-17 A	08-Jan-18 A	City of Miami Permit - CD Pump Station No. 1																											
CD81930	EPA Compliance Date for Permitting - CD Pump Station No. 1	0		05-Feb-18 A	EPA Compliance Date for Permitting - CD Pump Station No. 1																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
Procurement					05-Feb-19 A, Procurement																							
CD84670	Procurement of Screens for Rehab by WASD - CD Pump Station No. 1	42	23-Dec-15 A	05-Feb-19 A	- CD Pump Station No. 1																							
CD84240	GMOU submittal and approval - CD Pump Station No. 1	22	17-May-17 A	07-Jun-17 A	Initial and approval - CD Pump Station No. 1																							
CD84110	Internal Bid Package Review - CD Pump Station No. 1	33	27-Sep-17 A	07-Dec-17 A	Internal Bid Package Review - CD Pump Station No. 1																							
CD32320	Design Documents Sent to Procurement - CD Pump Station No. 1	0	08-Dec-17 A		Design Documents Sent to Procurement - CD Pump Station No. 1																							
CD32330	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 1	15	08-Dec-17 A	15-Dec-17 A	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 1																							
CD84690	OCI Reviews and Provides List - CD Pump Station No. 1	5	23-Dec-17 A	10-Jan-18 A	OCI Reviews and Provides List - CD Pump Station No. 1																							
CD32340	Advertise Bid Package - CD Pump Station No. 1	0	11-Jan-18 A		Advertise Bid Package - CD Pump Station No. 1																							
CD83280	EPA Start Date for Procurement - CD Pump Station No. 1	0	06-Feb-18 A		EPA Start Date for Procurement - CD Pump Station No. 1																							
CD32350	Bid Solicitation Period - CD Pump Station No. 1	46	11-Jan-18 A	08-Mar-18 A	Bid Solicitation Period - CD Pump Station No. 1																							
CD32360	Bids Due - CD Pump Station No. 1	0	09-Mar-18 A		Bids Due - CD Pump Station No. 1																							
CD32370	Bid Review Period - CD Pump Station No. 1	31	09-Mar-18 A	06-Apr-18 A	Bid Review Period - CD Pump Station No. 1																							
CD32380	Award Recommendation - CD Pump Station No. 1	0		06-Apr-18 A	Award Recommendation - CD Pump Station No. 1																							
CD11020	Procurement - CD Pump Station No. 1	862	08-Dec-17 A	10-Jun-18 A	Procurement - CD Pump Station No. 1																							
CD32390	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 1	60	07-Apr-18 A	10-Jun-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 1																							
CD81940	EPA Compliance Date for Procurement - CD Pump Station No. 1	0		05-Feb-19 A	EPA Compliance Date for Procurement - CD Pump Station No. 1																							
Construction					31-Aug-22, Construction																							
CD84680	Screen Rehab by WASD - CD Pump Station No. 1	147	07-Sep-16 A	31-Jan-17 A	SD - CD Pump Station No. 1																							
CD11148	Contractor Notice to Proceed (NTP) - CD Pump Station No. 1	0	11-Jun-18 A		Contractor Notice to Proceed (NTP) - CD Pump Station No. 1																							
CD83290	EPA Start Date for Construction - CD Pump Station No. 1	0	06-Feb-19 A		EPA Start Date for Construction - CD Pump Station No. 1																							
CD11150	Construction - CD Pump Station No. 1	451	07-Sep-16 A	19-Dec-19 A	Construction - CD Pump Station No. 1																							
CD84790	Construction of PS #1 - CD Pump Station No. 1	410	11-Jun-18 A	19-Dec-19 A	Construction of PS #1 - CD Pump Station No. 1																							
CD86380	Commissioning - CD Pump Station No. 1	40	15-Oct-19 A	19-Dec-19 A	Commissioning - CD Pump Station No. 1																							
CD11210	Substantial Completion (CD Compliance Date 2/26/21) - CD Pump Station No. 1	0		19-Dec-19 A	Substantial Completion (CD Compliance Date 2/26/21) - CD Pump Station No. 1																							
CD81950	EPA Compliance Date for Construction - CD Pump Station No. 1	0		26-Feb-21 A	EPA Compliance Date for Construction - CD Pump Station No. 1																							
CD40220	Project Closeout - CD Pump Station No. 1	30	20-Dec-19 A	31-Aug-22*	Project Closeout - CD Pump Station No. 1																							
Project Administration					31-Aug-22, Project Administration																							
CD34180	WASD Project Administration - CD Pump Station No. 1	1466	13-Aug-15 A	31-Aug-22	WASD Project Administration - CD Pump Station No. 1																							
2.22 Pump Station No.2					19-Nov-22, 2.22 Pump Station No.2																							
Pre-Design																												
CD12261	Pre-Design - CD Pump Station No. 2	197	30-Sep-14 A	13-Apr-15 A																								
Engineering Design																												
CD83300	EPA Start Date for Engineering Design - CD Pump Station No. 2**	0	01-Oct-14 A																									
CD81590	EPA Compliance Date for Engineering Design - CD Pump Station No. 2**	0		05-Feb-15 A																								
CD20490	Basis of Design Report (BODR) - CD Pump Station No. 2	111	13-Apr-15 A	04-Aug-15 A																								
CD20500	BODR Review Period - CD Pump Station No. 2	17	05-Aug-15 A	21-Aug-15 A																								
CD30310	Negotiation of Final Design - CD Pump Station No. 2	122	21-Jul-15 A	19-Nov-15 A																								
CD20530	60% Design Submittal - CD Pump Station No. 2	70	19-Nov-15 A	27-Jan-16 A																								
CD20540	60% Design Review - CD Pump Station No. 2	7	28-Jan-16 A	03-Feb-16 A																								
CD20550	100% Design Submittal - CD Pump Station No. 2	35	04-Feb-16 A	09-Mar-16 A																								
CD40530	Develop Pre-Purchase Bid Packages (Odor Control, Valve, Flowmeter) - CD Pump Station No. 2	66	31-Jan-16 A	05-Apr-16 A																								
CD10270	Engineering Design - CD Pump Station No. 2	365	13-Apr-15 A	13-Apr-16 A																								
CD40510	100% Design Review/Permit Ready Submittal - CD Pump Station No. 2	35	10-Mar-16 A	13-Apr-16 A																								
Permitting																												
CD83310	EPA Start Date for Permitting - CD Pump Station No. 2	0	06-Feb-15 A																									
CD80130	Miami 21 Zoning Permit - CD Pump Station No. 2	54	18-Apr-16 A	10-Jun-16 A																								
CD82120	DERM Permit - CD Pump Station No. 2	70	13-Apr-16 A	21-Jun-16 A																								
CD82130	FDOT Permit - CD Pump Station No. 2	11	23-Sep-16 A	03-Oct-16 A																								
CD10350	Permitting - CD Pump Station No. 2	234	13-Apr-16 A	02-Dec-16 A																								
CD80060	City of Miami Permit - CD Pump Station No. 2	159	27-Jun-16 A	02-Dec-16 A																								
CD81600	EPA Compliance Date for Permitting - CD Pump Station No. 2	0		15-Dec-16 A																								
Procurement																												
CD40550	Advertise Pre-Purchase Package (Plug Valve) - CD Pump Station No. 2	0	06-Apr-16 A																									
CD40560	Advertise Pre-Purchase Package (Flow Meter) - CD Pump Station No. 2	0	06-Apr-16 A																									
CD40580	Vendor Bid & Award (Plug Valve) - CD Pump Station No. 2	13	06-Apr-16 A	18-Apr-16 A																								
CD40610	Vendor NTP (Plug Valve) - CD Pump Station No. 2	0	18-Apr-16 A																									
CD40590	Vendor Bid & Award (Flow Meter) - CD Pump Station No. 2	17	06-Apr-16 A	22-Apr-16 A																								
CD40620	Vendor NTP (Flow Meter) - CD Pump Station No. 2	0	22-Apr-16 A																									
CD40540	Advertise Pre-Purchase Package (Odor Control) - CD Pump Station No. 2	0	17-Jun-16 A																									
CD40650	Fabricate & Deliver Flow Meter - CD Pump Station No. 2	60	22-Apr-16 A	20-Jun-16 A																								
CD30780	Design Documents Sent to Procurement - CD Pump Station No. 2	0	15-Jul-16 A																									
CD83320	EPA Start Date for Procurement - CD Pump Station No. 2	0	29-Jul-16 A																									
CD40570	Vendor Bid & Award (Odor Control) - CD Pump Station No. 2	54	17-Jun-16 A	09-Aug-16 A																								
CD40600	Vendor NTP (Odor Control) - CD Pump Station No. 2	0	10-Aug-16 A																									
CD30800	Advertise Bid Package - CD Pump Station No. 2	0	29-Aug-16 A																									
CD30790	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 2	47	15-Jul-16 A	30-Aug-16 A																								
CD30810	Bid Solicitation Period - CD Pump Station No. 2	49	29-Aug-16 A	16-Oct-16 A																								
CD30820	Bids Due - CD Pump Station No. 2	0	17-Oct-16 A																									
CD40640	Fabricate & Deliver Plug Valve - CD Pump Station No. 2	226	18-Apr-16 A	29-Nov-16 A																								
CD30830	Bid Review Period - CD Pump Station No. 2	66	17-Oct-16 A	21-Dec-16 A																								
CD30840	Award Recommendation - CD Pump Station No. 2	0		21-Dec-16 A																								
CD10580	Procurement - CD Pump Station No. 2	193	15-Jul-16 A	23-Jan-17 A																								
CD30850	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 2	33	22-Dec-16 A	23-Jan-17 A																								
CD81610	EPA Compliance Date for Procurement - CD Pump Station No. 2	0		04-Feb-17 A																								

Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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
CD40630	Fabricate & Deliver Odor Control System - CD Pump Station No. 2	230	10-Aug-16 A	27-Mar-17 A	Fabricate & Deliver Odor Control System - CD Pump Station No. 2																																			
Construction					19-Nov-22, Construction																																			
CD10818	Contractor Notice to Proceed (NTP) - CD Pump Station No. 2	0	24-Jan-17 A		Contractor Notice to Proceed (NTP) - CD Pump Station No. 2																																			
CD83330	EPA Start Date for Construction - CD Pump Station No. 2	0	05-Feb-17 A		EPA Start Date for Construction - CD Pump Station No. 2																																			
CD81620	EPA Compliance Date for Construction - CD Pump Station No. 2	0		25-May-19 A	EPA Compliance Date for Construction - CD Pump Station No. 2																																			
CD10820	Construction (VE Engineering) - CD Pump Station No. 2	261	24-Jan-17 A	23-Aug-21 A	Construction (VE Engineering) - CD Pump Station No. 2																																			
CD86390	Commissioning - CD Pump Station No. 2	30	19-Feb-20 A	23-Aug-21 A	Commissioning - CD Pump Station No. 2																																			
CD87470	VE Engineering Contractual Completion - CD Pump Station No. 2	0		23-Aug-21 A	VE Engineering Contractual Completion - CD Pump Station No. 2																																			
CD87490	Construction (Summary) - CD Pump Station No. 2	0	24-Jan-17 A	21-Sep-22	Construction (Summary) - CD Pump Station No. 2																																			
CD87450	Installation of Flow Meter by WASD - CD Pump Station No. 2	57	27-Jul-22*	21-Sep-22	Installation of Flow Meter by WASD - CD Pump Station No. 2																																			
CD10970	Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2	0		21-Sep-22*	Substantial Completion (CD Compliance Date 5/25/19) - CD Pump Station No. 2																																			
CD40230	Project Closeout - CD Pump Station No. 2	59	22-Sep-22	19-Nov-22*	Project Closeout - CD Pump Station No. 2																																			
Project Administration					19-Nov-22, Project Administration																																			
CD34190	WASD Project Administration - CD Pump Station No. 2	1000	13-Apr-15 A	19-Nov-22	WASD Project Administration - CD Pump Station No. 2																																			
2.23 O2 Plant Process Controls Phase 2					2.23 O2 Plant Process Controls Phase 2																																			
Engineering Design					124 01-Oct-13 A 02-Feb-14 A																																			
CD83340	EPA Start Date for Engineering Design - CD O2 Plant Process Controls Phase 2	0	01-Oct-13 A		EPA Start Date for Engineering Design - CD O2 Plant Process Controls Phase 2																																			
CD10010	Engineering Design - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	Engineering Design - CD O2 Plant Process Controls Phase 2																																			
CD81630	EPA Compliance Date for Engineering Design - CD O2 Plant Process Controls Phase 2	0		02-Feb-14 A	EPA Compliance Date for Engineering Design - CD O2 Plant Process Controls Phase 2																																			
Permitting					489 01-Oct-13 A 02-Feb-15 A																																			
CD10090	Permitting - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	Permitting - CD O2 Plant Process Controls Phase 2																																			
CD83350	EPA Start Date for Permitting - CD O2 Plant Process Controls Phase 2	0	03-Feb-14 A		EPA Start Date for Permitting - CD O2 Plant Process Controls Phase 2																																			
CD81640	EPA Compliance Date for Permitting - CD O2 Plant Process Controls Phase 2	0		02-Feb-15 A	EPA Compliance Date for Permitting - CD O2 Plant Process Controls Phase 2																																			
Procurement					609 03-Jun-14 A 02-Feb-16 A																																			
CD83360	EPA Start Date for Procurement - CD O2 Plant Process Controls Phase 2	0	03-Feb-15 A		EPA Start Date for Procurement - CD O2 Plant Process Controls Phase 2																																			
CD10340	Procurement - CD O2 Plant Process Controls Phase 2	315	03-Jun-14 A	13-Apr-15 A	Procurement - CD O2 Plant Process Controls Phase 2																																			
CD81650	EPA Compliance Date for Procurement - CD O2 Plant Process Controls Phase 2	0		02-Feb-16 A	EPA Compliance Date for Procurement - CD O2 Plant Process Controls Phase 2																																			
Construction					689 20-Apr-15 A 09-Mar-17 A																																			
CD83370	EPA Start Date for Construction - CD O2 Plant Process Controls Phase 2	0	03-Feb-16 A		EPA Start Date for Construction - CD O2 Plant Process Controls Phase 2																																			
CD10570	Construction - CD O2 Plant Process Controls Phase 2	372	20-Apr-15 A	25-Apr-16 A	Construction - CD O2 Plant Process Controls Phase 2																																			
CD10850	Substantial Completion (CD Compliance Date 3/09/17) - CD O2 Plant Process Controls Phase 2	0		25-Apr-16 A	Substantial Completion (CD Compliance Date 3/09/17) - CD O2 Plant Process Controls Phase 2																																			
CD40240	Project Closeout - CD O2 Plant Process Controls Phase 2	172	26-Apr-16 A	14-Oct-16 A	Project Closeout - CD O2 Plant Process Controls Phase 2																																			
CD81660	EPA Compliance Date for Construction - CD O2 Plant Process Controls Phase 2	0		09-Mar-17 A	EPA Compliance Date for Construction - CD O2 Plant Process Controls Phase 2																																			
Project Administration					1109 01-Oct-13 A 14-Oct-16 A																																			
CD34200	WASD Project Administration - CD O2 Plant Process Controls Phase 2	1110	01-Oct-13 A	14-Oct-16 A	WASD Project Administration - CD O2 Plant Process Controls Phase 2																																			
2.24 Gas Monitoring and Alarms					2.24 Gas Monitoring and Alarms																																			
Pre-Design					115 19-Dec-14 A 13-Apr-15 A																																			
CD12271	Pre-Design - CD Gas Monitoring and Alarms	116	19-Dec-14 A	13-Apr-15 A	Pre-Design - CD Gas Monitoring and Alarms																																			
Engineering Design					222 01-Jan-15 A 11-Aug-15 A																																			
CD83380	EPA Start Date for Engineering Design - CD Gas Monitoring and Alarms**	0	01-Jan-15 A		EPA Start Date for Engineering Design - CD Gas Monitoring and Alarms**																																			
CD81680	EPA Compliance Date for Engineering Design - CD Gas Monitoring and Alarms**	0		04-Mar-15 A	EPA Compliance Date for Engineering Design - CD Gas Monitoring and Alarms**																																			
CD10310	Engineering Design - CD Gas Monitoring and Alarms	121	13-Apr-15 A	11-Aug-15 A	Engineering Design - CD Gas Monitoring and Alarms																																			
Construction					413 12-Oct-16 A 21-Mar-18 A																																			
CD31030	Contractor Notice to Proceed (NTP) - CD Gas Monitoring and Alarms	0	12-Oct-16 A		Contractor Notice to Proceed (NTP) - CD Gas Monitoring and Alarms																																			
CD83410	EPA Start Date for Construction - CD Gas Monitoring and Alarms	0	05-Mar-17 A		EPA Start Date for Construction - CD Gas Monitoring and Alarms																																			
CD81710	EPA Compliance Date for Construction - CD Gas Monitoring and Alarms**	0		19-Sep-17 A	EPA Compliance Date for Construction - CD Gas Monitoring and Alarms**																																			
CD10840	Construction - CD Gas Monitoring and Alarms	353	12-Oct-16 A	29-Sep-17 A	Construction - CD Gas Monitoring and Alarms																																			
CD10930	Substantial Completion (CD Compliance Date 9/19/17) - CD Gas Monitoring and Alarms	0		29-Sep-17 A	Substantial Completion (CD Compliance Date 9/19/17) - CD Gas Monitoring and Alarms																																			
CD40250	Project Closeout - CD Gas Monitoring and Alarms	60	30-Sep-17 A	21-Mar-18 A	Project Closeout - CD Gas Monitoring and Alarms																																			
Project Administration					961 13-Apr-15 A 21-Mar-18 A																																			
CD34210	WASD Project Administration - CD Gas Monitoring and Alarms	961	13-Apr-15 A	21-Mar-18 A	WASD Project Administration - CD Gas Monitoring and Alarms																																			
2.25 Ventilation Improvements					2.25 Ventilation Improvements																																			
Engineering Design					2607 11-Jun-14 A 07-Jul-21 A																																			
CD11320	Engineering Design - CD Ventilation Improvements	2187	11-Jun-14 A	11-May-17 A	Engineering Design - CD Ventilation Improvements																																			
CD83420	EPA Start Date for Engineering Design - CD Ventilation Improvements	0	28-Feb-21 A		EPA Start Date for Engineering Design - CD Ventilation Improvements																																			
CD81720	EPA Compliance Date for Engineering Design - CD Ventilation Improvements	0		07-Jul-21 A	EPA Compliance Date for Engineering Design - CD Ventilation Improvements																																			
Permitting					2473 30-Sep-15 A 07-Jul-22																																			
CD11360	Permitting - CD Ventilation Improvements	1891	30-Sep-15 A	08-Jan-18 A	Permitting - CD Ventilation Improvements																																			
CD83430	EPA Start Date for Permitting - CD Ventilation Improvements	0	08-Jul-21 A		EPA Start Date for Permitting - CD Ventilation Improvements																																			
CD81730	EPA Compliance Date for Permitting - CD Ventilation Improvements	0		07-Jul-22*	EPA Compliance Date for Permitting - CD Ventilation Improvements																																			
Procurement					2640 07-Mar-16 A 07-Jul-23																																			
CD11480	Procurement - CD Ventilation Improvements	1963	07-Mar-16 A	10-Jun-18 A	Procurement - CD Ventilation Improvements																																			
CD83440	EPA Start Date for Procurement - CD Ventilation Improvements	0	08-Jul-22*		EPA Start Date for Procurement - CD Ventilation Improvements																																			
CD81740	EPA Compliance Date for Procurement - CD Ventilation Improvements	0		07-Jul-23*	EPA Compliance Date for Procurement - CD Ventilation Improvements																																			
Construction					3041 30-Aug-16 A 27-Feb-25																																			
CD11560	Construction - CD Ventilation Improvements	2365	30-Aug-16 A	23-Aug-21 A	Construction - CD Ventilation Improvements																																			
CD11650	Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements	0		23-Aug-21 A	Substantial Completion (CD Compliance Date 2/27/25) - CD Ventilation Improvements																																			
CD83450	EPA Start Date for Construction - CD Ventilation Improvements	0	08-Jul-23*		EPA Start Date for Construction - CD Ventilation Improvements																																			
CD81750	EPA Compliance Date for Construction - CD Ventilation Improvements	0		27-Feb-25*	EPA Compliance Date for Construction - CD Ventilation Improvements																																			
Project Administration					3328 11-Jun-14 A 23-Aug-21 A																																			
CD34220	WASD Project Administration - CD Ventilation Improvements	3328	11-Jun-14 A	23-Aug-21 A	WASD Project Administration - CD Ventilation Improvements																																			
2.25 (1) HVAC Improvements for Air Scrubber Building					2.25 (1) HVAC Improvements for Air Scrubber Building																																			
Pre-Design					0 20-Feb-19 A 20-Feb-19 A																																			
CD12281	Child Project Cancelled (WASD House HVAC Improvements)	0	20-Feb-19 A	20-Feb-19 A	Child Project Cancelled (WASD House HVAC Improvements)																																			
2.25 (2) Headworks HVAC Improvements (Project 2.03/2.04)					2.25 (2) Headworks HVAC Improvements (Project 2.03/2.04)																																			
Project Administration					1254 06-Oct-14 A 13-Aug-19 A																																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																											
					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																																
CD70660	Engineering Design - Headworks HVAC Improvements (Project 2.03/2.04)	479	06-Oct-14 A	28-Jan-16 A	Engineering Design - Headworks HVAC Improvements (Project 2.03/2.04)																											
Permitting																																
CD70670	Permitting - Headworks HVAC Improvements (Project 2.03/2.04)	189	29-Jan-16 A	05-Aug-16 A	Permitting - Headworks HVAC Improvements (Project 2.03/2.04)																											
Procurement																																
CD70680	Procurement - Headworks HVAC Improvements (Project 2.03/2.04)	175	07-Mar-16 A	29-Aug-16 A	Procurement - Headworks HVAC Improvements (Project 2.03/2.04)																											
Construction																																
CD70690	Construction - Headworks HVAC Improvements (Project 2.03/2.04)	560	30-Aug-16 A	13-Aug-19 A	Construction - Headworks HVAC Improvements (Project 2.03/2.04)																											
Project Administration																																
CD85240	WASD Project Administration - Headworks HVAC Improvements (Project 2.03/2.04)	1254	06-Oct-14 A	13-Aug-19 A	WASD Project Administration - Headworks HVAC Improvements (Project 2.03/2.04)																											
2.25 (3) Digester Control Building HVAC Improvements (Project 2.15(1))																																
Engineering Design																																
CD70620	Engineering Design - Digester Control Building HVAC Improvements (Project 2.15(1))	475	11-Jun-14 A	29-Sep-15 A	Engineering Design - Digester Control Building HVAC Improvements (Project 2.15(1))																											
Permitting																																
CD70630	Permitting - Digester Control Building HVAC Improvements (Project 2.15(1))	329	30-Sep-15 A	24-Aug-16 A	Permitting - Digester Control Building HVAC Improvements (Project 2.15(1))																											
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																																
CD70650	Construction - Digester Control Building HVAC Improvements (Project 2.15(1))	540	31-Oct-16 A	23-Aug-21 A	Construction - Digester Control Building HVAC Improvements (Project 2.15(1))																											
Project Administration																																
CD85250	WASD Project Administration - Digester Control Building HVAC Improvements (Project 2.15(1))	1413	11-Jun-14 A	23-Aug-21 A	WASD Project Administration - Digester Control Building HVAC Improvements (Project 2.15(1))																											
2.25 (4) Pump Station 1 HVAC Improvements (Project 2.21)																																
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																																
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																																
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																																
CD70610	Construction - Pump Station 1 HVAC Improvements (Project 2.21)	410	11-Jun-18 A	19-Dec-19 A	Construction - Pump Station 1 HVAC Improvements (Project 2.21)																											
Project Administration																																
CD85260	WASD Project Administration - Pump Station 1 HVAC Improvements (Project 2.21)	965	15-Oct-16 A	19-Dec-19 A	WASD Project Administration - Pump Station 1 HVAC Improvements (Project 2.21)																											
2.25 (5) Pump Station 2 HVAC Improvements (Project 2.22)																																
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																																
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																																
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																																
CD70600	Construction - Pump Station 2 HVAC Improvements (Project 2.22)	261	24-Jan-17 A	23-Aug-21 A	Construction - Pump Station 2 HVAC Improvements (Project 2.22)																											
Project Administration																																
CD85270	WASD Project Administration - Pump Station 2 HVAC Improvements (Project 2.22)	911	15-Apr-15 A	23-Aug-21 A	WASD Project Administration - Pump Station 2 HVAC Improvements (Project 2.22)																											
2.26 Rehabilitation of Walkways and Stairways																																
Construction																																
CD83460	EPA Start Date for Construction - CD Rehab of Walkways & Stairways	0	01-Oct-13 A	27-Sep-27	EPA Start Date for Construction - CD Rehab of Walkways & Stairways																											
CD87300	Pre-Design - CD Rehab of Walkways & Stairways	366	20-Dec-19 A	30-Apr-20 A	Pre-Design - CD Rehab of Walkways & Stairways																											
CD87260	Design Package I - CD Rehab of Walkways & Stairways	366	30-Apr-20 A	10-Sep-20 A	Design Package I - CD Rehab of Walkways & Stairways																											
CD87270	Permitting Package I - CD Rehab of Walkways & Stairways	180	11-Sep-20 A	15-Oct-20 A	Permitting Package I - CD Rehab of Walkways & Stairways																											
CD87380	Design Package II - CD Rehab of Walkways & Stairways	366	30-Apr-20 A	29-Mar-21 A	Design Package II - CD Rehab of Walkways & Stairways																											
CD87390	Permitting Package II - CD Rehab of Walkways & Stairways	152	29-Mar-21 A	27-Jun-21 A	Permitting Package II - CD Rehab of Walkways & Stairways																											
CD87280	Procurement Package I - CD Rehab of Walkways & Stairways	270	29-Dec-20 A	12-Dec-21 A	Procurement Package I - CD Rehab of Walkways & Stairways																											
CD87290	Construction Package I - CD Rehab of Walkways & Stairways	120	13-Dec-21 A	29-Jul-22	Construction Package I - CD Rehab of Walkways & Stairways																											
CD87400	Procurement Package II - CD Rehab of Walkways & Stairways	286	01-Apr-22 A	11-Jan-23	Procurement Package II - CD Rehab of Walkways & Stairways																											
CD87410	Construction Package II - CD Rehab of Walkways & Stairways	360	12-Jan-23	06-Jan-24	Construction Package II - CD Rehab of Walkways & Stairways																											
CD10070	Construction - CD Rehab of Walkways & Stairways (by WASD)	3741	01-Oct-13 A	26-Apr-27	Construction - CD Rehab of Walkways & Stairways (by WASD)																											
CD11710	Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Walkways & Stairways	0		26-Apr-27*	Substantial Completion (CD Compliance Date 9/27/27) - CD Rehab of Walkways & Stairways																											
CD81760	EPA Compliance Date for Construction - CD Rehab of Walkways & Stairways	0		27-Sep-27*	EPA Compliance Date for Construction - CD Rehab of Walkways & Stairways																											
Project Administration																																
CD34230	WASD Project Administration - CD Rehab of Walkways & Stairways	3741	01-Oct-13 A	26-Apr-27	WASD Project Administration - CD Rehab of Walkways & Stairways																											
2.27 Oxygen Production																																
Engineering Design																																
CD83470	EPA Start for Engineering Design - CD Oxygen Production	0	01-Jan-15 A	15-Jul-17 A	EPA Start for Engineering Design - CD Oxygen Production																											
CD10320	Engineering Design - CD Oxygen Production	801	13-Apr-15 A	21-Jun-17 A	Engineering Design - CD Oxygen Production																											
CD81770	EPA Compliance Date for Engineering Design - CD Oxygen Production	0		15-Jul-17 A	EPA Compliance Date for Engineering Design - CD Oxygen Production																											
Permitting																																
CD10550	Permitting - Site Preparation (utilities and demolition)	85	05-Apr-17 A	29-Jun-17 A	Permitting - Site Preparation (utilities and demolition)																											
Procurement																																
CD83490	EPA Start Date for Procurement - Site Preparation**	0	16-Jul-17 A		EPA Start Date for Procurement - Site Preparation**																											
CD81790	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation**	0		15-Jul-18 A	EPA Compliance Date for Procurement - CD Oxygen Production & Site Preparation**																											
CD10800	Procurement (Summary) - CD Oxygen Production & Site Preparation	314	05-Jun-17 A	28-Dec-18 A	Procurement (Summary) - CD Oxygen Production & Site Preparation																											
Design-Build																																
CD83500	EPA Start Date for Construction - Site Preparation**	1308	16-Jul-18 A	13-Feb-22 A	EPA Start Date for Construction - Site Preparation**																											
CD11010	Construction (Summary) - CD Oxygen Production & Site Preparation	926	29-Mar-19 A	28-Sep-21 A	Construction (Summary) - CD Oxygen Production & Site Preparation																											
CD86160	Substantial Completion (CD Compliance Date 2/13/22) - CD Oxygen Production & Site Preparation - CD Scope Only	0		28-Sep-21 A	Substantial Completion (CD Compliance Date 2/13/22) - CD Oxygen Production & Site Preparation - CD Scope Only																											
CD81800	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22 A	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
2.27 (1) Oxygen Production Site Preparation					2.27 (1) Oxygen Production Site Preparation																			
Pre-Design																								
CD70870	Pre-Design - Site Preparation (utilities and demolition)	246	28-Jan-16 A	29-Sep-16 A	(utilities and demolition)																			
Engineering Design																								
CD82150	30% Design Submittal - Site Preparation (utilities and demolition)	189	30-Sep-16 A	06-Apr-17 A	30% Design Submittal - Site Preparation (utilities and demolition)																			
CD82160	30% Design Review - Site Preparation (utilities and demolition)	176	26-Oct-16 A	19-Apr-17 A	30% Design Review - Site Preparation (utilities and demolition)																			
CD82170	100% Design Submittal NFC - Site Preparation (utilities and demolition)	205	02-Nov-16 A	25-May-17 A	100% Design Submittal NFC - Site Preparation (utilities and demolition)																			
CD82180	100% Design Review - Site Preparation (utilities and demolition)	153	31-Dec-16 A	01-Jun-17 A	100% Design Review - Site Preparation (utilities and demolition)																			
CD70880	Engineering Design - Site Preparation (utilities and demolition)	265	30-Sep-16 A	21-Jun-17 A	Engineering Design - Site Preparation (utilities and demolition)																			
CD82190	100% Design Submittal Permit Ready - Site Preparation (utilities and demolition)	161	12-Jan-17 A	21-Jun-17 A	100% Design Submittal Permit Ready - Site Preparation (utilities and demolition)																			
Permitting																								
CD33810	DERM Permit - Site Preparation (utilities and demolition)	57	16-Mar-17 A	11-May-17 A	DERM Permit - Site Preparation (utilities and demolition)																			
CD82240	Permitting - Site Preparation (utilities and demolition)	106	16-Mar-17 A	29-Jun-17 A	Permitting - Site Preparation (utilities and demolition)																			
CD70890	COM Permit - Site Preparation (utilities and demolition)	86	05-Apr-17 A	29-Jun-17 A	COM Permit - Site Preparation (utilities and demolition)																			
Project Administration																								
CD85330	WASD Project Administration - Site Preparation (utilities and demolition)	273	30-Sep-16 A	29-Jun-17 A	WASD Project Administration - Site Preparation (utilities and demolition)																			
2.27 (2) Oxygen Production Design-Build					2.27 (2) Oxygen Production Design-Build																			
Pre-Design																								
CD12291	Pre-Design - CD Oxygen Production	115	19-Dec-14 A	12-Apr-15 A	Pre-Design - CD Oxygen Production																			
Engineering Design																								
CD21640	Basis of Design Report (BODR) - CD Oxygen Production	136	13-Apr-15 A	26-Aug-15 A	Basis of Design Report (BODR) - CD Oxygen Production																			
CD21580	BODR Review Period - CD Oxygen Production	14	27-Aug-15 A	09-Sep-15 A	BODR 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																								
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	20-Jul-18 A	Contract Negotiations - CD Oxygen Production																			
CD82250	Procurement - CD Oxygen Production	314	05-Jun-17 A	18-Dec-18 A	Procurement - CD Oxygen Production																			
CD31110	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production	95	21-Jul-18 A	18-Dec-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production																			
Design-Build																								
CD33820	Design-Builder NTP - CD Oxygen Production	0	29-Mar-19 A	15-Nov-22	Design-Builder NTP - CD Oxygen Production																			
CD84700	Construction of Site Preparation (CD 2.27(1)) - CD Oxygen Production	380	29-Mar-19 A	19-Feb-20 A	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-Feb-20 A	Construction Completion Milestone #1 (CD Compliance Date 2/13/22) - CD Oxygen Production																			
CD33920	AHJ Permit Review - CD Oxygen Production	395	26-Sep-19 A	24-Mar-20 A	AHJ Permit Review - CD Oxygen Production																			
CD33910	Final Engineering by Design-Builder - CD Oxygen Production	445	29-Mar-19 A	19-Jun-20 A	Final Engineering by Design-Builder - CD Oxygen Production																			
CD84750	Design-Builder Summary (NTP to Milestone #2) - CD Oxygen Production	926	29-Mar-19 A	28-Sep-21 A	Design-Builder Summary (NTP to Milestone #2) - CD Oxygen Production																			
CD70930	Design-Builder Construction - CD Oxygen Production	590	25-Nov-19 A	28-Sep-21 A	Design-Builder Construction - CD Oxygen Production																			
CD84730	Construction Completion Milestone #2 (CD Compliance Date 2/13/22) - CD Oxygen Production	0		28-Sep-21 A	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	29-Sep-21 A	10-Nov-21 A	Construction of VPSA 2 (Non-Consent Decree) - CD Oxygen Production																			
CD86400	Commissioning - CD Oxygen Production	30	11-Oct-21 A	10-Nov-21 A	Commissioning - CD Oxygen Production																			
CD11240	Substantial Completion (Non-Consent Decree) - CD Oxygen Production	0		10-Nov-21 A	Substantial Completion (Non-Consent Decree) - CD Oxygen Production																			
CD85340	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation	0		13-Feb-22 A	EPA Compliance Date for Construction - CD Oxygen Production & Site Preparation																			
CD40270	Project Closeout - CD Oxygen Production	78	11-Nov-21 A	15-Nov-22	Project Closeout - CD Oxygen Production																			
Project Administration																								
CD34240	WASD Project Administration - CD Oxygen Production	1993	13-Apr-15 A	15-Nov-22	WASD Project Administration - CD Oxygen Production																			
2.28 SCADA RTU Upgrades					2.28 SCADA RTU Upgrades																			
Construction																								
CD71210	EPA Start Date for Construction - CD SCADA RTU Upgrades	0	01-Oct-13 A	29-Mar-14 A	EPA Start Date for Construction - CD SCADA RTU Upgrades																			
CD10020	Construction - CD SCADA RTU Upgrades	133	01-Oct-13 A	10-Feb-14 A	Construction - CD SCADA RTU Upgrades																			
CD10100	Substantial Completion (CD Compliance Date 3/29/14) - CD SCADA RTU Upgrades	0		10-Feb-14 A	Substantial Completion (CD Compliance Date 3/29/14) - CD SCADA RTU Upgrades																			
CD81810	EPA Compliance Date for Construction - CD SCADA RTU Upgrades	0		29-Mar-14 A	EPA Compliance Date for Construction - CD SCADA RTU Upgrades																			
Project Administration																								
CD85280	WASD Project Administration - CD SCADA RTU Upgrades	133	01-Oct-13 A	10-Feb-14 A	WASD Project Administration - CD SCADA RTU Upgrades																			
2.29 High Strength Influent Impact Study					2.29 High Strength Influent Impact Study																			
Engineering Design																								
CD71220	EPA Start Date for Engineering Study - CD High Strength Influent Study Impact	0	12-Feb-13 A	24-Jun-14 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																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CD81820	EPA Compliance Date for Engineering Study - CD High Strength Influent Study Impact	0		24-Jun-14 A																								
Project Administration																												
CD85290	WASD Project Administration - CD High Strength Influent Study Impact	472	12-Feb-13 A	29-May-14 A																								
2.CM CDWWTP CM Office & Contractor Trailers Site Prep																												
Pre-Design																												
CD70000	Pre-Design - CDWWTP Contractor's Trailers Site Prep	168	05-Nov-15 A	21-Apr-16 A																								
Engineering Design																												
CD70010	Engineering Design - CDWWTP Contractor's Trailers Site Prep	200	22-Apr-16 A	08-Nov-16 A																								
Permitting																												
CD80010	Florida Department of Health Permit - CDWWTP Contractor's Trailers Site Prep	6	14-Dec-16 A	19-Dec-16 A																								
CD80020	DERM Permit - CDWWTP Contractor's Trailers Site Prep	86	12-Dec-16 A	07-Mar-17 A																								
CD70020	Permitting - CDWWTP Contractor's Trailers Site Prep	175	08-Nov-16 A	01-May-17 A																								
CD84560	COM Permit - CDWWTP Contractor's Trailers Site Prep	77	14-Feb-17 A	01-May-17 A																								
Procurement																												
CD84570	Design Documents Sent to Procurement - CDWWTP Contractor's Trailers Site Prep	0	02-May-17 A																									
CD84580	Submit/Approve SBD Goals and Request to Advertise - CDWWTP Contractor's Trailers Site Prep	15	02-May-17 A	16-May-17 A																								
CD84590	Advertise Bid Package - CDWWTP Contractor's Trailers Site Prep	0	17-May-17 A																									
CD84600	Bid Solicitation Period - CDWWTP Contractor's Trailers Site Prep	44	17-May-17 A	29-Jun-17 A																								
CD84610	Bids Due - CDWWTP Contractor's Trailers Site Prep	0	30-Jun-17 A																									
CD84620	Bid Review Period - CDWWTP Contractor's Trailers Site Prep	60	30-Jun-17 A	28-Aug-17 A																								
CD84630	Award Recommendation - CDWWTP Contractor's Trailers Site Prep	0	29-Aug-17 A																									
CD70030	Procurement - CDWWTP Contractor's Trailers Site Prep	162	02-May-17 A	19-Oct-17 A																								
CD84640	Final Approvals - CDWWTP Contractor's Trailers Site Prep	43	29-Aug-17 A	19-Oct-17 A																								
Construction																												
CD84650	Contractor Notice to Proceed(NTP) - CDWWTP Contractor's Trailers Site Prep	0	05-Feb-18 A																									
CD70040	Construction - CDWWTP Contractor's Trailers Site Prep	90	05-Feb-18 A	12-Sep-18 A																								
CD84660	Substantial Completion - CDWWTP Contractor's Trailers Site Prep	0		12-Sep-18 A																								
CD81910	Project Closeout - Contractor's Trailers Site Prep	30	13-Sep-18 A	06-Nov-20 A																								
Project Administration																												
CD85300	WASD Project Administration - Contractor's Trailers Site Prep	657	22-Apr-16 A	06-Nov-20 A																								
2.TE CD Temporary Electrical Facilities																												
Pre-Design																												
CD84840	Pre-Design - CD Temporary Electrical Facilities	575	26-Feb-16 A	22-Sep-17 A																								
Engineering Design																												
CD84850	Engineering Design - CD Temporary Electrical Facilities	124	25-Sep-17 A	12-Apr-18 A																								
CD86410	Complete Master Plan - CD Temporary Electrical Facilities	0	13-Apr-18 A	31-Aug-18 A																								
2.SM CDWWTP Stormwater Master Plan																												
Engineering Design																												
CD80000	Develop Stormwater Master Plan	396	27-Jun-16 A	28-Jul-17 A																								
Project Administration																												
CD85320	WASD Project Administration - Develop Stormwater Master Plan	397	27-Jun-16 A	28-Jul-17 A																								
3. North District WWTP																												
3.01 Headworks and Sludge Degritting & Transfer																												
Engineering Design																												
ND70790	EPA Start Date for Engineering Design - ND Headworks & Sludge Degritting	0	20-Mar-13 A	19-Sep-14 A																								
ND10000	Engineering Design - ND Headworks & Sludge Degritting	479	20-Mar-13 A	11-Jul-14 A																								
ND70320	EPA Compliance Date for Engineering Design - ND Headworks & Sludge Degritting	0		19-Sep-14 A																								
Permitting																												
ND70800	EPA Start Date for Permitting - ND Headworks & Sludge Degritting	0	11-Jul-14 A																									
ND70330	EPA Compliance Date for Permitting - ND Headworks & Sludge Degritting**	0		05-Sep-15 A																								
ND10010	Permitting - ND Headworks & Sludge Degritting	477	11-Jun-14 A	30-Sep-15 A																								
Procurement																												
ND70810	EPA Start Date for Procurement - ND Headworks & Sludge Degritting	0	01-Oct-14 A																									
ND11445	Owner Pre-Purchase - Procurement Electrical Equip. - ND Headworks & Sludge Degritting	71	04-Dec-14 A	12-Feb-15 A																								
ND20850	Owner Pre-Purchase - Procurement Screens - ND Headworks & Sludge Degritting	95	04-Dec-14 A	08-Mar-15 A																								
ND10050	Procurement - ND Headworks & Sludge Degritting	208	08-Apr-15 A	01-Nov-15 A																								
ND70340	EPA Compliance Date for Procurement - ND Headworks & Sludge Degritting	0		03-Dec-15 A																								
ND11365	Owner Pre-Purchase/Fabricate/Deliver Screens - ND Headworks & Sludge Degritting	285	09-Mar-15 A	18-Dec-15 A																								
ND20840	Owner Pre-Purchase - Fabricate/Deliver Electrical Equip. - ND Headworks & Sludge Degritting	981	13-Feb-15 A	15-Nov-16 A																								
Construction																												
ND21360	Contractor NTP - ND Headworks & Sludge Degritting	0	02-Nov-15 A	31-Oct-22																								
ND70820	EPA Start Date for Construction - ND Headworks & Sludge Degritting	0	04-Dec-15 A																									
ND71230	Milestone #1 - Commissioning of Electrical Annex - ND Headworks & Sludge Degritting	0		27-Dec-16 A																								
ND10080	Construction Phase 1: Screens - ND Headworks & Sludge Degritting	576	02-Nov-15 A	30-May-17 A																								
ND20830	Substantial Completion Phase 1/Milestone #2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0		30-May-17 A																								
ND10170	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	795	02-Nov-15 A	06-Dec-17 A																								
ND10340	Substantial Completion Phase 2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0		06-Dec-17 A																								
ND70350	EPA Compliance Date for Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	0		07-Apr-18 A																								
ND40280	Project Closeout - ND Headworks & Sludge Degritting	64	07-Dec-17 A	31-Oct-22*																								
Project Administration																												
ND21500	WASD Project Administration - ND Headworks & Sludge Degritting	1816	20-Mar-13 A	31-Oct-22																								
3.02 Primary Clarifiers and Odor Control																												
Engineering Design																												
ND70830	EPA Start Date for Engineering Design - ND Primary Clarifiers & Odor Control	0	01-Nov-15 A	15-May-17 A																								

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
ND10090	Engineering Design - ND Primary Clarifiers & Odor Control	958	03-Sep-14 A	17-Apr-17 A	Design - ND Primary Clarifiers & Odor Control																			
ND70360	EPA Compliance Date for Engineering Design - ND Primary Clarifiers & Odor Control	0		15-May-17 A	EPA Compliance Date for Engineering Design - ND Primary Clarifiers & Odor Control																			
Permitting		733	25-Oct-15 A	10-Oct-17 A	Permitting - ND Primary Clarifiers & Odor Control																			
ND70840	EPA Start Date for Permitting - ND Primary Clarifiers & Odor Control	0	10-Mar-17 A		EPA Start Date for Permitting - ND Primary Clarifiers & Odor Control																			
ND70370	EPA Compliance Date for Permitting - ND Primary Clarifiers & Odor Control*	0		05-Sep-17 A	EPA Compliance Date for Permitting - ND Primary Clarifiers & Odor Control*																			
ND10130	Permitting - ND Primary Clarifiers & Odor Control	733	25-Oct-15 A	10-Oct-17 A	Permitting - ND Primary Clarifiers & Odor Control																			
Procurement		508	07-Feb-17 A	05-Dec-18 A	Procurement - ND Primary Clarifiers & Odor Control																			
ND70850	EPA Start Date for Procurement - ND Primary Clarifiers & Odor Control**	0	06-Sep-17 A		EPA Start Date for Procurement - ND Primary Clarifiers & Odor Control**																			
ND70380	EPA Compliance Date for Procurement - ND Primary Clarifiers & Odor Control	0		02-Jun-18 A	EPA Compliance Date for Procurement - ND Primary Clarifiers & Odor Control																			
ND10210	Procurement - ND Primary Clarifiers & Odor Control	505	07-Feb-17 A	05-Dec-18 A	Procurement - ND Primary Clarifiers & Odor Control																			
Construction		2053	23-Aug-17 A	06-Apr-23	Construction - ND Primary Clarifiers & Odor Control																			
ND70860	EPA Start Date for Construction - ND Primary Clarifiers & Odor Control	0	03-Jun-18 A		EPA Start Date for Construction - ND Primary Clarifiers & Odor Control																			
ND10270	Construction - ND Primary Clarifiers & Odor Control	1308	23-Aug-17 A	18-Sep-22	Construction - ND Primary Clarifiers & Odor Control																			
ND71790	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0		18-Sep-22	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control																			
ND70390	EPA Compliance Date for Construction - ND Primary Clarifiers & Odor Control	0		06-Apr-23*	EPA Compliance Date for Construction - ND Primary Clarifiers & Odor Control																			
3.02 (1) Replace Mechanisms for Primary Clarifiers #4 & 6		870	01-Dec-16 A	07-Jun-21 A	Replace Mechanisms for Primary Clarifiers #4 & 6																			
Pre-Design		20	01-Dec-16 A	21-Dec-16 A	Pre-Design - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71280	Negotiate Scope and Cost of VFI Package (MWH) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	21	01-Dec-16 A	21-Dec-16 A	Negotiate Scope and Cost of VFI Package (MWH) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
Engineering Design		36	22-Dec-16 A	27-Jan-17 A	Engineering Design - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71250	Submit Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	23	22-Dec-16 A	13-Jan-17 A	Submit Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71260	Review Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	4	14-Jan-17 A	17-Jan-17 A	Review Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71470	Engineering Design - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	37	22-Dec-16 A	27-Jan-17 A	Engineering Design - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71270	Submit Final VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	10	18-Jan-17 A	27-Jan-17 A	Submit Final VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
Procurement		205	30-Jan-17 A	23-Aug-17 A	Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71380	Internal Bid Package Review - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	8	30-Jan-17 A	06-Feb-17 A	Internal Bid Package Review - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71290	Design Documents Sent to Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	07-Feb-17 A		Design Documents Sent to Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71540	GMOU submittal and approval - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	21	30-Jan-17 A	19-Feb-17 A	GMOU submittal and approval - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71300	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	28	07-Feb-17 A	06-Mar-17 A	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71310	Advertise Bid Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	07-Mar-17 A		Advertise Bid Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71320	Bid Solicitation Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	66	07-Mar-17 A	11-May-17 A	Bid Solicitation Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71330	Bids Due - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	12-May-17 A		Bids Due - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71340	Bid Review Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	98	12-May-17 A	17-Aug-17 A	Bid Review Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71350	Award Recommendation - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0		17-Aug-17 A	Award Recommendation - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71360	Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	198	07-Feb-17 A	23-Aug-17 A	Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71370	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	6	18-Aug-17 A	23-Aug-17 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
Construction		605	23-Aug-17 A	07-Jun-21 A	Construction - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71500	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	23-Aug-17 A		Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71510	Construction - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	422	23-Aug-17 A	20-Feb-19 A	Construction - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71800	Commissioning - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	14	07-Feb-19 A	20-Feb-19 A	Commissioning - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71520	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0		20-Feb-19 A	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71530	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	30	21-Feb-19 A	07-Jun-21 A	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
Project Administration		696	22-Dec-16 A	07-Jun-21 A	Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
ND71730	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	696	22-Dec-16 A	07-Jun-21 A	WASD Project Administration - ND Primary Clarifiers (Replace Mechanisms #4 & 6)																			
3.02 (2) Primary Clarifiers and Odor Control (Remaining Scope of Work)		3028	03-Sep-14 A	17-Dec-22	Primary Clarifiers and Odor Control (Remaining Scope of Work)																			
Pre-Design		134	25-Mar-15 A	06-Aug-15 A	Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND11375	Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	135	25-Mar-15 A	06-Aug-15 A	Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
Engineering Design		957	03-Sep-14 A	17-Apr-17 A	Engineering Design - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20140	Basis of Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	330	03-Sep-14 A	29-Jul-15 A	Basis of Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20150	30% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	127	06-Aug-15 A	10-Dec-15 A	30% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20011	30% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	21	11-Dec-15 A	31-Dec-15 A	30% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20021	60% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	84	01-Jan-16 A	24-Mar-16 A	60% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20031	60% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	11	25-Mar-16 A	04-Apr-16 A	60% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20040	100% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	353	05-Apr-16 A	23-Mar-17 A	100% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND71430	Engineering Design - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	958	03-Sep-14 A	17-Apr-17 A	Engineering Design - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND40380	100% Design Review/Permit Ready Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	25	24-Mar-17 A	17-Apr-17 A	100% Design Review/Permit Ready Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
Permitting		733	25-Oct-15 A	10-Oct-17 A	Permitting - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND70280	FDEP Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	47	25-Oct-15 A	10-Dec-15 A	FDEP Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND70290	RER Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	129	20-Jun-17 A	30-Jun-17 A	RER Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND70310	Fire Department Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	129	20-Jun-17 A	24-Aug-17 A	Fire Department Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND71440	Permitting - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	733	25-Oct-15 A	10-Oct-17 A	Permitting - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND70300	City of North Miami Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	186	24-Apr-17 A	10-Oct-17 A	City of North Miami Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
Procurement		550	10-Jul-17 A	05-Dec-18 A	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND71550	GMOU submittal and approval - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	22	10-Jul-17 A	31-Jul-17 A	GMOU submittal and approval - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND71480	Internal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	3	30-Oct-17 A	12-Nov-17 A	Internal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20880	Design Documents Sent to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	14-Dec-17 A		Design Documents Sent to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20890	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Nov-17 A	08-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20900	Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	09-Feb-18 A		Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20910	Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	34	09-Feb-18 A	20-May-18 A	Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20920	Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	21-May-18 A		Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20930	Bid Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	19	21-May-18 A	12-Oct-18 A	Bid Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20940	Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0		12-Oct-18 A	Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND71450	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	223	14-Dec-17 A	05-Dec-18 A	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND20950	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	13-Oct-18 A	05-Dec-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
Construction		1442	06-Dec-18 A	17-Dec-22	Construction - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)																			
ND10268	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers & Odor Control	0	06-Dec-18 A		Contractor Notice to Proceed (NTP) - ND Primary Clarifiers & Odor Control																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
ND71460	Construction - ND Primary Clarifiers & Odor Control (Remaining Scope)	999	06-Dec-18 A	18-Sep-22	Construction - ND Primary Clarifiers & Odor Control (Remaining Scope)																							
ND71810	Commissioning - ND Primary Clarifiers & Odor Control	30	20-Aug-22	18-Sep-22*	Commissioning - ND Primary Clarifiers & Odor Control																							
ND10420	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control	0		18-Sep-22*	Substantial Completion (CD Compliance Date 4/06/23) - ND Primary Clarifiers & Odor Control																							
ND40290	Project Closeout - ND Primary Clarifiers & Odor Control	90	19-Sep-22	17-Dec-22*	Project Closeout - ND Primary Clarifiers & Odor Control																							
Project Administration																												
ND21510	WASD Project Administration - ND Primary Clarifiers & Odor Control	2483	03-Sep-14 A	17-Dec-22	WASD Project Administration - ND Primary Clarifiers & Odor Control																							
3.03 Oxygenation Trains																												
Pre-Design																												
ND11385	Pre-Design (BODR) - ND Oxygenation Trains	237	25-Apr-17 A	04-Oct-18 A	Pre-Design (BODR) - ND Oxygenation Trains																							
ND71620	Pre-Design (Tank #5 Rehab) - ND Oxygenation Trains	150	21-Jul-17 A	01-Jun-18 A	Pre-Design (Tank #5 Rehab) - ND Oxygenation Trains																							
Engineering Design																												
ND70880	EPA Start Date for Engineering Design - ND Oxygenation Trains	1010	01-Jun-18 A	05-Feb-21 A	EPA Start Date for Engineering Design - ND Oxygenation Trains																							
ND20230	Basis of Design Report (BODR) - ND Oxygenation Trains	286	01-Jun-18 A	08-Apr-19 A	Basis of Design Report (BODR) - ND Oxygenation Trains																							
ND20240	BODR Review/Re-submittal - ND Oxygenation Trains	30	09-Apr-19 A	09-Jul-19 A	BODR Review/Re-submittal - ND Oxygenation Trains																							
ND70400	EPA Compliance Date for Engineering Design - ND Oxygenation Trains	0		14-Oct-19 A	EPA Compliance Date for Engineering Design - ND Oxygenation Trains																							
ND20250	Negotiate Phase II Design - ND Oxygenation Trains	125	02-May-19 A	04-Nov-19 A	Negotiate Phase II Design - ND Oxygenation Trains																							
ND20260	Design Criteria Package Initial Submittal / Final Basis of Design Report (BODR) and Specs - ND Oxygenation Trains	145	05-Nov-19 A	22-May-20 A	Design Criteria Package Initial Submittal / Final Basis of Design Report (BODR) and Specs - ND Oxygenation Trains																							
ND40470	Issue Final RDBS - ND Oxygenation Trains	145	05-Nov-19 A	07-Aug-20 A	Issue Final RDBS - ND Oxygenation Trains																							
ND20280	DCP Design Review - ND Oxygenation Trains	45	23-May-20 A	28-Jan-21 A	DCP Design Review - ND Oxygenation Trains																							
ND10310	Engineering Design - ND Oxygenation Trains	815	01-Jun-18 A	05-Feb-21 A	Engineering Design - ND Oxygenation Trains																							
ND20290	Final DCP Submittal - ND Oxygenation Trains	31	29-Jan-21 A	05-Feb-21 A	Final DCP Submittal - ND Oxygenation Trains																							
Permitting																												
ND70890	EPA Start Date for Permitting - ND Oxygenation Trains	495	15-Oct-19 A	18-Jun-21 A	EPA Start Date for Permitting - ND Oxygenation Trains																							
ND70410	EPA Compliance Date for Permitting - ND Oxygenation Trains	0		13-Oct-20 A	EPA Compliance Date for Permitting - ND Oxygenation Trains																							
ND10350	Permitting - ND Oxygenation Trains	60	07-Dec-20 A	18-Jun-21 A	Permitting - ND Oxygenation Trains																							
ND71660	Permitting (BODR) - ND Oxygenation Trains	60	07-Dec-20 A	18-Jun-21 A	Permitting (BODR) - ND Oxygenation Trains																							
Procurement																												
ND71630	P.O. for Tank #5 Cleaning - ND Oxygenation Trains	1999	19-Jun-17 A	08-Dec-22	P.O. for Tank #5 Cleaning - ND Oxygenation Trains																							
ND71390	RDBS Sent to Procurement - ND Oxygenation Trains	196	19-Jun-17 A	27-Jan-19 A	RDBS Sent to Procurement - ND Oxygenation Trains																							
ND21210	Submit/Approve SBD Goals and Request to Advertise - ND Oxygenation Trains	31	07-Jul-20 A	06-Sep-20 A	Submit/Approve SBD Goals and Request to Advertise - ND Oxygenation Trains																							
ND70900	EPA Start Date for Procurement - ND Oxygenation Trains	30	07-Sep-20 A	07-Oct-20 A	EPA Start Date for Procurement - ND Oxygenation Trains																							
ND70900	EPA Start Date for Procurement - ND Oxygenation Trains	0	14-Oct-20 A		EPA Start Date for Procurement - ND Oxygenation Trains																							
ND21220	Advertise RDBS - ND Oxygenation Trains	0	22-Oct-20 A		Advertise RDBS - ND Oxygenation Trains																							
ND71900	Request for Qualifications - ND Oxygenation Trains	90	22-Oct-20 A	30-Nov-20 A	Request for Qualifications - ND Oxygenation Trains																							
ND71910	Qualifications Package Due - ND Oxygenation Trains	0	01-Dec-20 A		Qualifications Package Due - ND Oxygenation Trains																							
ND71940	Qualification Review Period - ND Oxygenation Trains	131	01-Dec-20 A	04-Mar-21 A	Qualification Review Period - ND Oxygenation Trains																							
ND71920	Shortlist Published - ND Oxygenation Trains	0	06-Mar-21 A		Shortlist Published - ND Oxygenation Trains																							
ND21230	Request for Proposals - ND Oxygenation Trains	125	06-Mar-21 A	28-Jun-21 A	Request for Proposals - ND Oxygenation Trains																							
ND21240	Proposals Due - ND Oxygenation Trains	0	28-Jun-21 A		Proposals Due - ND Oxygenation Trains																							
ND21250	Proposal Review Period - ND Oxygenation Trains	30	29-Jun-21 A	26-Jul-21 A	Proposal Review Period - ND Oxygenation Trains																							
ND21260	Step II Meeting: Bidders Presentation & Ranking - ND Oxygenation Trains	0		26-Jul-21 A	Step II Meeting: Bidders Presentation & Ranking - ND Oxygenation Trains																							
ND70420	EPA Compliance Date for Procurement - ND Oxygenation Trains	0		13-Oct-21 A	EPA Compliance Date for Procurement - ND Oxygenation Trains																							
ND71930	Contract Negotiations - ND Oxygenation Trains	80	27-Jul-21 A	30-Sep-22	Contract Negotiations - ND Oxygenation Trains																							
ND10390	Procurement - ND Oxygenation Trains	581	07-Jul-20 A	08-Dec-22	Procurement - ND Oxygenation Trains																							
ND21270	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygenation Trains	69	01-Oct-22	08-Dec-22	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygenation Trains																							
Construction																												
ND71640	Cleaning of Tank #5 - ND Oxygenation Trains	180	28-Jan-19 A	21-Apr-19 A	Cleaning of Tank #5 - ND Oxygenation Trains																							
Design-Build																												
ND70910	EPA Start Date for Construction - ND Oxygenation Trains	1724	14-Oct-21 A	20-Jul-26	EPA Start Date for Construction - ND Oxygenation Trains																							
ND10428	Contractor Notice to Proceed (NTP) - ND Oxygenation Trains	0	09-Dec-22		Contractor Notice to Proceed (NTP) - ND Oxygenation Trains																							
ND70430	EPA Compliance Date for Construction - ND Oxygenation Trains	0		06-Mar-26*	EPA Compliance Date for Construction - ND Oxygenation Trains																							
ND10430	Construction - ND Oxygenation Trains	1200	09-Dec-22	22-Mar-26	Construction - ND Oxygenation Trains																							
ND71700	Construction (Remaining Scope of Work) - ND Oxygenation Trains	1200	09-Dec-22	22-Mar-26	Construction (Remaining Scope of Work) - ND Oxygenation Trains																							
ND71820	Commissioning - ND Oxygenation Trains	30	21-Feb-26	22-Mar-26	Commissioning - ND Oxygenation Trains																							
ND10510	Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygenation Trains	0		22-Mar-26*	Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygenation Trains																							
ND40300	Project Closeout - ND Oxygenation Trains	120	23-Mar-26	20-Jul-26*	Project Closeout - ND Oxygenation Trains																							
Project Administration																												
ND21520	WASD Project Administration - ND Oxygenation Trains	2273	01-Jun-18 A	20-Jul-26	WASD Project Administration - ND Oxygenation Trains																							
3.04 Oxygen Production																												
Pre-Design																												
ND70750	Pre-Design (BODR) - ND Oxygen Production	150	21-Jul-17 A	01-Jun-18 A	Pre-Design (BODR) - ND Oxygen Production																							
Engineering Design																												
ND20160	Basis of Design Report (BODR) - ND Oxygen Production	1010	01-Jun-18 A	05-Feb-21 A	Basis of Design Report (BODR) - ND Oxygen Production																							
ND20170	BODR Review/Re-submittal - ND Oxygen Production	286	01-Jun-18 A	08-Apr-19 A	BODR Review/Re-submittal - ND Oxygen Production																							
ND20180	Negotiate Phase II Design - ND Oxygen Production	30	09-Apr-19 A	09-Jul-19 A	Negotiate Phase II Design - ND Oxygen Production																							
ND20180	Negotiate Phase II Design - ND Oxygen Production	125	02-May-19 A	04-Nov-19 A	Negotiate Phase II Design - ND Oxygen Production																							
ND70920	EPA Start Date for Engineering Design - ND Oxygen Production	0	01-Apr-20 A		EPA Start Date for Engineering Design - ND Oxygen Production																							
ND20190	Design Criteria Package Initial Submittal / Final Basis of Design Report (BODR) and Specs - ND Oxygen Production	145	05-Nov-19 A	22-May-20 A	Design Criteria Package Initial Submittal / Final Basis of Design Report (BODR) and Specs - ND Oxygen Production																							
ND40480	Issue Final RDBS - ND Oxygen Production	145	05-Nov-19 A	07-Aug-20 A	Issue Final RDBS - ND Oxygen Production																							
ND70440	EPA Compliance Date for Engineering Design - ND Oxygen Production	0		17-Dec-20 A	EPA Compliance Date for Engineering Design - ND Oxygen Production																							
ND20210	DCP Design Review - ND Oxygen Production	45	23-May-20 A	28-Jan-21 A	DCP Design Review - ND Oxygen Production																							
ND10370	Engineering Design - ND Oxygen Production	815	01-Jun-18 A	05-Feb-21 A	Engineering Design - ND Oxygen Production																							
ND20310	Final DCP Submittal - ND Oxygen Production	31	29-Jan-21 A	05-Feb-21 A	Final DCP Submittal - ND Oxygen Production																							
Permitting																												
ND70940	EPA Start Date for Permitting - ND Oxygen Production	365	07-Dec-20 A	17-Dec-21 A	EPA Start Date for Permitting - ND Oxygen Production																							
ND10400	Permitting - ND Oxygen Production	0	18-Dec-20 A		Permitting - ND Oxygen Production																							

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																																			
					2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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				
ND70450	EPA Compliance Date for Permitting - ND Oxygen Production	0		17-Dec-21 A	◆ EPA Compliance Date for Permitting - ND Oxygen Production																																			
Procurement		832	07-Jul-20 A	17-Dec-22	◆ EPA Compliance Date for Permitting - ND Oxygen Production																																			
ND71400	RDBS Sent to Procurement - ND Oxygen Production	31	07-Jul-20 A	06-Sep-20 A	◆ RDBS Sent to Procurement - ND Oxygen Production																																			
ND21290	Submit/Approve SBD Goals and Request to Advertise - ND Oxygen Production	30	07-Sep-20 A	07-Oct-20 A	◆ Submit/Approve SBD Goals and Request to Advertise - ND Oxygen Production																																			
ND21300	Advertise RDBS - ND Oxygen Production	0	22-Oct-20 A		◆ Advertise RDBS - ND Oxygen Production																																			
ND71950	Request for Qualifications - ND Oxygen Production	40	22-Oct-20 A	30-Nov-20 A	◆ Request for Qualifications - ND Oxygen Production																																			
ND71960	Qualifications Package Due - ND Oxygen Production	0	01-Dec-20 A		◆ Qualifications Package Due - ND Oxygen Production																																			
ND71970	Qualifications Review Period - ND Oxygen Production	131	01-Dec-20 A	04-Mar-21 A	◆ Qualifications Review Period - ND Oxygen Production																																			
ND71980	Shortlist Published - ND Oxygen Production	0	06-Mar-21 A		◆ Shortlist Published - ND Oxygen Production																																			
ND21310	Request for Proposals - ND Oxygen Production	125	06-Mar-21 A	28-Jun-21 A	◆ Request for Proposals - ND Oxygen Production																																			
ND21320	Proposals Due - ND Oxygen Production	0	28-Jun-21 A		◆ Proposals Due - ND Oxygen Production																																			
ND21330	Proposal Review Period - ND Oxygen Production	30	29-Jun-21 A	26-Jul-21 A	◆ Proposal Review Period - ND Oxygen Production																																			
ND21340	II Meeting: Bidders Presentation & Ranking - ND Oxygen Production	0		26-Jul-21 A	◆ II Meeting: Bidders Presentation & Ranking - ND Oxygen Production																																			
ND70930	EPA Start Date for Procurement - ND Oxygen Production	0	18-Dec-21 A		◆ EPA Start Date for Procurement - ND Oxygen Production																																			
ND71990	Contract Negotiations - ND Oxygen Production	80	27-Jul-21 A	30-Sep-22	◆ Contract Negotiations - ND Oxygen Production																																			
ND10450	Procurement - ND Oxygen Production	581	07-Jul-20 A	08-Dec-22	◆ Procurement - ND Oxygen Production																																			
ND21350	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygen Production	69	01-Oct-22	08-Dec-22	◆ Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygen Production																																			
ND70460	EPA Compliance Date for Procurement - ND Oxygen Production	0		17-Dec-22*	◆ EPA Compliance Date for Procurement - ND Oxygen Production																																			
Design-Build		1320	09-Dec-22	20-Jul-26	◆ EPA Compliance Date for Procurement - ND Oxygen Production																																			
ND10488	Contractor Notice to Proceed (NTP) - ND Oxygen Production	0	09-Dec-22		◆ Contractor Notice to Proceed (NTP) - ND Oxygen Production																																			
ND70950	EPA Start Date for Construction - ND Oxygen Production	0	18-Dec-22*		◆ EPA Start Date for Construction - ND Oxygen Production																																			
ND70470	EPA Compliance Date for Construction - ND Oxygen Production	0		06-Mar-26*	◆ EPA Compliance Date for Construction - ND Oxygen Production																																			
ND10490	Construction - ND Oxygen Production	1200	09-Dec-22	22-Mar-26	◆ Construction - ND Oxygen Production																																			
ND71830	Commissioning - ND Oxygen Production	30	21-Feb-26	22-Mar-26	◆ Commissioning - ND Oxygen Production																																			
ND10500	Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygen Production	0		22-Mar-26*	◆ Substantial Completion (CD Compliance Date 3/06/26) - ND Oxygen Production																																			
ND40310	Project Closeout - ND Oxygen Production	120	23-Mar-26	20-Jul-26*	◆ Project Closeout - ND Oxygen Production																																			
Project Administration		2273	01-Jun-18 A	20-Jul-26	◆ Project Administration - ND Oxygen Production																																			
ND21530	WASD Project Administration - ND Oxygen Production	2273	01-Jun-18 A	20-Jul-26	◆ Project Administration - ND Oxygen Production																																			
3.05 Secondary Clarifiers					4842																																			
Engineering Design					2286																																			
ND10300	Engineering Design - ND Secondary Clarifiers	925	28-Aug-14 A	09-Mar-17 A	◆ Engineering Design - ND Secondary Clarifiers																																			
ND70960	EPA Start Date for Engineering Design - ND Secondary Clarifiers	0	31-Dec-18 A		◆ EPA Start Date for Engineering Design - ND Secondary Clarifiers																																			
ND70480	EPA Compliance Date for Engineering Design - ND Secondary Clarifiers	0		12-Nov-20 A	◆ EPA Compliance Date for Engineering Design - ND Secondary Clarifiers																																			
Permitting					2257																																			
ND10360	Permitting - ND Secondary Clarifiers	945	27-Mar-15 A	11-May-21 A	◆ Permitting - ND Secondary Clarifiers																																			
ND70970	EPA Start Date for Permitting - ND Secondary Clarifiers	0	13-Nov-20 A		◆ EPA Start Date for Permitting - ND Secondary Clarifiers																																			
ND70490	EPA Compliance Date for Permitting - ND Secondary Clarifiers	0		11-May-21 A	◆ EPA Compliance Date for Permitting - ND Secondary Clarifiers																																			
Procurement					2736																																			
ND10410	Procurement - ND Secondary Clarifiers	1393	03-Oct-14 A	16-Dec-18 A	◆ Procurement - ND Secondary Clarifiers																																			
ND70980	EPA Start Date for Procurement - ND Secondary Clarifiers	0	06-Feb-21 A		◆ EPA Start Date for Procurement - ND Secondary Clarifiers																																			
ND70500	EPA Compliance Date for Procurement - ND Secondary Clarifiers	0		05-Feb-22 A	◆ EPA Compliance Date for Procurement - ND Secondary Clarifiers																																			
Construction					4601																																			
ND70990	EPA Start Date for Construction - ND Secondary Clarifiers	0	01-Dec-18 A		◆ EPA Start Date for Construction - ND Secondary Clarifiers																																			
ND10470	Construction - ND Secondary Clarifiers	3311	19-Jan-15 A	15-May-23	◆ Construction - ND Secondary Clarifiers																																			
ND10520	Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers	0		15-May-23*	◆ Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers																																			
ND70510	EPA Compliance Date for Construction - ND Secondary Clarifiers	0		24-Aug-27*	◆ EPA Compliance Date for Construction - ND Secondary Clarifiers																																			
3.05 (1) Secondary Clarifiers (Replace Mechanisms #1-10)					1158																																			
Engineering Design					281																																			
ND20030	Engineering Design (BODR) - Replace Mechanisms #3, 6 & 8	142	28-Aug-14 A	05-Jun-15 A	◆ Engineering Design (BODR) - Replace Mechanisms #3, 6 & 8																																			
ND20690	Engineering Design (BODR) - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	122	04-Feb-15 A	05-Jun-15 A	◆ Engineering Design (BODR) - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10																																			
Procurement					353																																			
ND20050	Procurement - Replace Mechanisms #3, 6 & 8	106	03-Oct-14 A	16-Jan-15 A	◆ Procurement - Replace 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					1014																																			
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					1158																																			
ND21540	WASD Project Administration - Replace Mechanisms #1-10	1158	28-Aug-14 A	29-Jun-17 A	◆ Project Administration - Replace Mechanisms #1-10																																			
3.05 (2) Secondary Clarifiers (Remaining Scope of Work)					3642																																			
Pre-Design					97																																			
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					924																																			
ND20320	Basis of Design Report (BODR) - ND Secondary Clarifiers	216	28-Aug-14 A	31-Mar-15 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					945																																			
					◆ Permitting																																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																											
					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		
ND70240	FDEP Permit - ND Secondary Clarifiers (Remaining Scope)	693	27-Mar-15 A	16-Feb-17 A	Secondary Clarifiers (Remaining Scope)																											
ND70250	RER Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	23-Jun-17 A	- ND Secondary Clarifiers (Remaining Scope)																											
ND70270	Fire Department Permit - ND Secondary Clarifiers (Remaining Scope)	134	15-Jun-17 A	24-Aug-17 A	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					16-Dec-18 A, Procurement																											
ND71560	GMOU submittal and approval - ND Secondary Clarifiers (Remaining Scope)	21	26-May-17 A	15-Jun-17 A	GMOU submittal and approval - ND Secondary Clarifiers (Remaining Scope)																											
ND71410	Internal Bid Package Review - ND Secondary Clarifiers (Remaining Scope)	14	08-Nov-17 A	14-Dec-17 A	Internal Bid Package Review - ND Secondary Clarifiers (Remaining Scope)																											
ND20960	Design Documents Sent to Procurement - ND Secondary Clarifiers (Remaining Scope)	0	15-Dec-17 A		Design Documents Sent to Procurement - ND Secondary Clarifiers (Remaining Scope)																											
ND20970	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)	60	01-Dec-17 A	21-Feb-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)																											
ND20980	Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)	0	22-Feb-18 A		Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)																											
ND20990	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope)	37	22-Feb-18 A	26-Apr-18 A	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope)																											
ND21000	Bids Due - ND Secondary Clarifiers (Remaining Scope)	0	27-Apr-18 A		Bids Due - ND Secondary Clarifiers (Remaining Scope)																											
ND21010	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)	30	27-Apr-18 A	02-Oct-18 A	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)																											
ND21020	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)	0		02-Oct-18 A	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)																											
ND20110	Procurement - ND Secondary Clarifiers (Remaining Scope)	256	15-Dec-17 A	16-Dec-18 A	Procurement - ND Secondary Clarifiers (Remaining Scope)																											
ND21030	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)	60	03-Oct-18 A	16-Dec-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)																											
Construction					19-Jun-23, Construction																											
ND20118	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)	0	20-Dec-18 A		Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)																											
ND20120	Construction - ND Secondary Clarifiers (Remaining Scope)	1395	20-Dec-18 A	15-May-23	Construction - ND Secondary Clarifiers (Remaining Scope)																											
ND71840	Commissioning - ND Secondary Clarifiers	30	16-Apr-23	15-May-23	Commissioning - ND Secondary Clarifiers																											
ND20130	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)	0		15-May-23*	3.05 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)																											
ND40320	Project Closeout - ND Secondary Clarifiers	35	16-May-23	19-Jun-23*	Project Closeout - ND Secondary Clarifiers																											
Project Administration					19-Jun-23, Project Administration																											
ND21550	WASD Project Administration - ND Secondary Clarifiers	3545	28-Aug-14 A	19-Jun-23	WASD Project Administration - ND Secondary Clarifiers																											
3.06 Disinfection					31-Aug-22, 3.06 Disinfection																											
Pre-Design																																
ND20010	Pre-Design - ND Disinfection	114	16-Feb-15 A	10-Jun-15 A	Pre-Design - ND Disinfection																											
Engineering Design					1081 21-Apr-14 A 06-Apr-17 A																											
ND20000	Review Existing Design for Storm Surge & Code Changes - ND Disinfection	253	21-Apr-14 A	29-Dec-14 A	Review Existing Design for Storm Surge & Code Changes - ND Disinfection																											
ND20020	Revise Design for Code and Storm Surge Changes - ND Disinfection	267	11-Jun-15 A	03-Mar-16 A	Revise Design for Code and Storm Surge Changes - ND Disinfection																											
ND10190	Engineering Design - ND Disinfection	826	21-Apr-14 A	24-Jul-16 A	Engineering Design - ND Disinfection																											
ND71000	EPA Start Date for Engineering Design - ND Disinfection	0	01-Feb-17 A		EPA Start Date for Engineering Design - ND Disinfection																											
ND70520	EPA Compliance Date for Engineering Design - ND Disinfection	0		06-Apr-17 A	EPA Compliance Date for Engineering Design - ND Disinfection																											
Permitting					901 25-Jul-16 A 22-Feb-19 A																											
ND70770	City of N. Miami Permit - ND Disinfection	22	25-Jul-16 A	15-Aug-16 A	City of N. Miami Permit - ND Disinfection																											
ND71010	EPA Start Date for Permitting - ND Disinfection	0	07-Apr-17 A		EPA Start Date for Permitting - ND Disinfection																											
ND70780	DERM Permit - ND Disinfection	443	15-Aug-16 A	22-Nov-17 A	DERM Permit - ND Disinfection																											
ND70530	EPA Compliance Date for Permitting - ND Disinfection	0		06-Apr-18 A	EPA Compliance Date for Permitting - ND Disinfection																											
ND71880	FDEP Permit - ND Disinfection	43	31-Oct-18 A	13-Nov-18 A	FDEP Permit - ND Disinfection																											
ND10200	Permitting - ND Disinfection	464	25-Jul-16 A	22-Feb-19 A	Permitting - ND Disinfection																											
ND71870	Bldg Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection	112	23-Aug-18 A	22-Feb-19 A	Bldg Dept, RER, Fire Dept - City of North Miami Permit - ND Disinfection																											
Procurement					634 04-Aug-17 A 06-Apr-19 A																											
ND71590	GMOU submittal and approval - ND Disinfection	26	04-Aug-17 A	29-Aug-17 A	GMOU submittal and approval - ND Disinfection																											
ND71420	Internal Bid Package Review - ND Disinfection	28	09-Aug-17 A	05-Sep-17 A	Internal Bid Package Review - ND Disinfection																											
ND21040	Design Documents Sent to Procurement - ND Disinfection	0	21-Nov-17 A		Design Documents Sent to Procurement - ND Disinfection																											
ND21050	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection	60	05-Oct-17 A	04-Jan-18 A	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection																											
ND21060	Advertise Bid Package - ND Disinfection	0	05-Jan-18 A		Advertise Bid Package - ND Disinfection																											
ND21070	Bid Solicitation Period - ND Disinfection	60	05-Jan-18 A	07-Mar-18 A	Bid Solicitation Period - ND Disinfection																											
ND21080	Bids Due - ND Disinfection	0	08-Mar-18 A		Bids Due - ND Disinfection																											
ND71020	EPA Start Date for Procurement - ND Disinfection	0	07-Apr-18 A		EPA Start Date for Procurement - ND Disinfection																											
ND21090	Bid Review Period - ND Disinfection	30	08-Mar-18 A	30-Aug-18 A	Bid Review Period - ND Disinfection																											
ND21100	Award Recommendation - ND Disinfection	0		30-Aug-18 A	Award Recommendation - ND Disinfection																											
ND10260	Procurement - ND Disinfection	227	21-Nov-17 A	10-Sep-18 A	Procurement - ND Disinfection																											
ND21110	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Disinfection	71	31-Aug-18 A	10-Sep-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Disinfection																											
ND70540	EPA Compliance Date for Procurement - ND Disinfection	0		06-Apr-19 A	EPA Compliance Date for Procurement - ND Disinfection																											
Construction					1173 25-Feb-19 A 31-Aug-22																											
ND10328	Contractor Notice to Proceed (NTP) - ND Disinfection	0	25-Feb-19 A		Contractor Notice to Proceed (NTP) - ND Disinfection																											
ND71030	EPA Start Date for Construction - ND Disinfection	0	07-Apr-19 A		EPA Start Date for Construction - ND Disinfection																											
ND70550	EPA Compliance Date for Construction - ND Disinfection	0		09-Sep-20 A	EPA Compliance Date for Construction - ND Disinfection																											
ND10330	Construction - ND Disinfection	520	25-Feb-19 A	05-Mar-22 A	Construction - ND Disinfection																											
ND71850	Commissioning - ND Disinfection	30	14-Oct-21 A	05-Mar-22 A	Commissioning - ND Disinfection																											
ND10380	Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection	0		05-Mar-22 A	Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection																											
ND40330	Project Closeout - ND Disinfection	60	06-Mar-22 A	31-Aug-22*	Project Closeout - ND Disinfection																											
Project Administration					1735 11-Jun-15 A 31-Aug-22																											
ND21560	WASD Project Administration - ND Disinfection	1735	11-Jun-15 A	31-Aug-22	WASD Project Administration - ND Disinfection																											
3.07 Effluent Disposal					28-Dec-21 A, 3.07 Effluent Disposal																											
Pre-Design																																
ND11415	2 - Pre-Design - ND Ocean Outfall Pump Station	146	06-Oct-14 A	28-Feb-15 A	2 - Pre-Design - ND Ocean Outfall Pump Station																											
Engineering Design					825 09-Jul-14 A 12-Sep-16 A																											
ND20780	1b - Engineering Design - DW Pump Station Electrical	119	09-Jul-14 A	06-Oct-14 A	1b - Engineering Design - DW Pump Station Electrical																											
ND10120	Engineering Design (Summary) - ND Effluent Disposal	431	09-Jul-14 A	16-Oct-15 A	Engineering Design (Summary) - ND Effluent Disposal																											
ND20730	1a - Engineering Design - DW Pump Station Mechanical	431	12-Aug-14 A	16-Oct-15 A	1a - Engineering Design - DW Pump Station Mechanical																											
ND71040	EPA Start Date for Engineering Design - ND Effluent Disposal	0	01-Dec-15 A		EPA Start Date for Engineering Design - ND Effluent Disposal																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018												2019												2020												2021												2022												2023												2024												2025												2026											
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																																																
ND70560	EPA Compliance Date for Engineering Design - ND Effluent Disposal	0		12-Sep-16 A																																																																																																												
Permitting		1778	17-Feb-15 A	27-Dec-19 A																																																																																																												
ND20790	1b - Permitting - DIW Pump Station Electrical	31	17-Feb-15 A	19-Mar-15 A																																																																																																												
ND10140	Permitting (Summary) - ND Effluent Disposal	291	17-Feb-15 A	04-Dec-15 A																																																																																																												
ND20740	1a - Permitting - DIW Pump Station Mechanical	207	12-May-15 A	04-Dec-15 A																																																																																																												
ND71050	EPA Start Date for Permitting - ND Effluent Disposal	0	13-Sep-16 A																																																																																																													
ND70570	EPA Compliance Date for Permitting - ND Effluent Disposal	0		27-Dec-19 A																																																																																																												
Procurement		2291	21-Feb-14 A	07-May-20 A																																																																																																												
ND20800	1b - Procurement - DIW Pump Station Electrical	110	21-Feb-14 A	10-Jun-14 A																																																																																																												
ND11425	1b - Owner Pre-Purchase Elect. Equip. - DIW Pump Station Electrical	586	10-May-14 A	16-Dec-15 A																																																																																																												
ND21120	1a - Design Documents Sent to Procurement - DIW Pump Station Mechanical	0	06-May-16 A																																																																																																													
ND21130	1a - Submit/Approve SBD Goals and Request to Advertise - DIW Pump Station Mechanical	28	06-May-16 A	02-Jun-16 A																																																																																																												
ND21140	1a - Advertise Bid Package - DIW Pump Station Mechanical	0	03-Jun-16 A																																																																																																													
ND21150	1a - Bid Solicitation Period - DIW Pump Station Mechanical	41	03-Jun-16 A	13-Jul-16 A																																																																																																												
ND21160	1a - Bids Due - DIW Pump Station Mechanical	0	14-Jul-16 A																																																																																																													
ND21170	1a - Bid Review Period - DIW Pump Station Mechanical	50	14-Jul-16 A	01-Sep-16 A																																																																																																												
ND21180	1a - Award Recommendation - DIW Pump Station Mechanical	0		01-Sep-16 A																																																																																																												
ND20750	1a - Procurement - DIW Pump Station Mechanical	165	06-May-16 A	17-Oct-16 A																																																																																																												
ND21190	1a - Final Approvals (BCC, Mayor, Risk Mgmt.) - DIW Pump Station Mechanical	46	02-Sep-16 A	17-Oct-16 A																																																																																																												
ND10230	Procurement (Summary) - ND Effluent Disposal	970	21-Feb-14 A	17-Oct-16 A																																																																																																												
ND71060	EPA Start Date for Procurement - ND Effluent Disposal	0	13-Sep-17 A																																																																																																													
ND70580	EPA Compliance Date for Procurement - ND Effluent Disposal	0		07-May-20 A																																																																																																												
Construction		2587	01-Dec-14 A	28-Dec-21 A																																																																																																												
ND11345	2 - Construction - ND Ocean Outfall Pump Station	96	01-Dec-14 A	06-Mar-15 A																																																																																																												
ND11355	2 - Substantial Completion (CD Compliance Date 12/28/21) - ND Ocean Outfall Pump Station	0		06-Mar-15 A																																																																																																												
ND20810	1b - Construction - DIW Pump Station Electrical	317	18-Feb-15 A	31-Dec-15 A																																																																																																												
ND20820	1b - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Electrical	0		31-Dec-15 A																																																																																																												
ND20758	1a - Contractor Notice to Proceed (NTP) - DIW Pump Station Mechanical	0	18-Oct-16 A																																																																																																													
ND20760	1a - Construction - DIW Pump Station Mechanical	609	18-Oct-16 A	29-Jun-18 A																																																																																																												
ND10460	Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal	0		29-Jun-18 A																																																																																																												
ND10458	1a - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Mechanical	0		29-Jun-18 A																																																																																																												
ND10280	Construction (Summary) - ND Effluent Disposal	1217	18-Feb-15 A	18-Jul-18 A																																																																																																												
ND40340	Project Closeout - DIW Pump Station Mechanical	90	29-Jun-18 A	30-Nov-19 A																																																																																																												
ND71070	EPA Start Date for Construction - ND Effluent Disposal	0	08-May-20 A																																																																																																													
ND70590	EPA Compliance Date for Construction - ND Effluent Disposal	0		28-Dec-21 A																																																																																																												
Project Administration		1560	09-Jul-14 A	30-Nov-19 A																																																																																																												
ND21570	WASD Project Administration - DIW Pump Station Electrical	1560	09-Jul-14 A	30-Nov-19 A																																																																																																												
3.08 Plant Wide Electrical		3044	21-Apr-14 A	20-Aug-22																																																																																																												
Engineering Design		1924	21-Apr-14 A	13-Feb-20 A																																																																																																												
ND71080	EPA Start Date for Engineering Design - ND Plant Wide Electrical	0	21-Apr-14 A																																																																																																													
ND70600	EPA Compliance Date for Engineering Design - ND Plant Wide Electrical**	0		20-Jan-17 A																																																																																																												
ND10040	Engineering Design - ND Plant Wide Electrical	1914	01-May-14 A	13-Feb-20 A																																																																																																												
Permitting		1819	01-May-15 A	24-Feb-20 A																																																																																																												
ND71090	EPA Start Date for Permitting - ND Plant Wide Electrical	0	21-Jan-17 A																																																																																																													
ND70610	EPA Compliance Date for Permitting - ND Plant Wide Electrical	0		20-Jan-18 A																																																																																																												
ND10180	Permitting - ND Plant Wide Electrical	1819	01-May-15 A	24-Feb-20 A																																																																																																												
Procurement		2142	12-Mar-15 A	20-Sep-20 A																																																																																																												
ND71100	EPA Start Date for Procurement - ND Plant Wide Electrical	0	21-Jan-18 A																																																																																																													
ND70620	EPA Compliance Date for Procurement - ND Plant Wide Electrical	0		20-Jan-19 A																																																																																																												
ND10250	Procurement - ND Plant Wide Electrical	2142	12-Mar-15 A	20-Sep-20 A																																																																																																												
Construction		2516	01-Oct-15 A	20-Aug-22																																																																																																												
ND71110	EPA Start Date for Construction - ND Plant Wide Electrical	0	21-Jan-19 A																																																																																																													
ND10320	Construction - ND Plant Wide Electrical	2339	01-Oct-15 A	02-Mar-21 A																																																																																																												
ND10480	Substantial Completion (CD Compliance Date 8/20/22) - ND Plant Wide Electrical	0		02-Mar-21 A																																																																																																												
ND70630	EPA Compliance Date for Construction - ND Plant Wide Electrical	0		20-Aug-22*																																																																																																												
Project Administration		2857	01-May-14 A	02-Mar-21 A																																																																																																												
ND21580	WASD Project Administration - ND Plant Wide Electrical	2857	01-May-14 A	02-Mar-21 A																																																																																																												
3.08 (1) - NDWWTP General Electrical In-house Construction (Feeders 1-2)		624	01-May-14 A	15-Jan-16 A																																																																																																												
Engineering Design		400	01-May-14 A	05-Jun-15 A																																																																																																												
ND20470	Engineering Design - Electrical Feeders 1-2	401	01-May-14 A	05-Jun-15 A																																																																																																												
Permitting		35	01-May-15 A	05-Jun-15 A																																																																																																												
ND70230	Permitting - Electrical Feeders 1-2	36	01-May-15 A	05-Jun-15 A																																																																																																												
Procurement		202	12-Mar-15 A	30-Sep-15 A																																																																																																												
ND40520	Procurement - Electrical Feeders 1-2	203	12-Mar-15 A	30-Sep-15 A																																																																																																												
Construction		106	01-Oct-15 A	15-Jan-16 A																																																																																																												
ND21460	Construction - Electrical Feeders 1-2	107	01-Oct-15 A	15-Jan-16 A																																																																																																												
Project Administration		106	01-Oct-15 A	15-Jan-16 A																																																																																																												
ND71740	WASD Project Administration - Electrical Feeders 1-2	107	01-Oct-15 A	15-Jan-16 A																																																																																																												
3.08 (2) - Electrical Feeders 3-6 (Project 3.01)		1345	01-May-14 A	06-Dec-17 A																																																																																																												
Engineering Design		400	01-May-14 A	05-Jun-15 A																																																																																																												
ND70180	Engineering Design - Electrical Feeders 3-6 (Project 3.01)	401	01-May-14 A	05-Jun-15 A																																																																																																												
Permitting		35	01-May-15 A	05-Jun-15 A																																																																																																												
ND70190	Permitting - Electrical Feeders 3-6 (Project 3.01)	36	01-May-15 A	05-Jun-15 A																																																																																																												
Procurement		207	08-Apr-15 A	01-Nov-15 A																																																																																																												
ND40530	Procurement - Electrical Feeders 3-6 (Project 3.01)	208	08-Apr-15 A	01-Nov-15 A																																																																																																												

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																											
					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					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)					23-Sep-19 A, 3.08 (3) - Electrical Feeders 7-8 (Project 3.04)																											
Engineering Design					23-Sep-19 A, Engineering Design																											
ND70140	Child Project Deleted (Scope considered under CD 3.03 / 3.04)	0	23-Sep-19 A	23-Sep-19 A	Child Project Deleted (Scope considered under CD 3.03 / 3.04)																											
3.08 (4) - Electrical Feeders 9-14					23-Sep-21 A, 3.08 (4) - Electrical Feeders 9-14																											
Engineering Design					13-Feb-20 A, Engineering Design																											
ND40500	Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14	0	18-Oct-18 A	18-Oct-18 A	Decision Date for Remaining Feeders - Electrical Feeders 9-10, 13-14																											
ND71210	Pre-Design - Electrical Feeders 9-10, 13-14	60	18-Oct-18 A	19-Sep-19 A	Pre-Design - Electrical Feeders 9-10, 13-14																											
ND71890	Engineering Design - Electrical Feeders 9-10, 13-14	77	20-Sep-19 A	13-Feb-20 A	Engineering Design - Electrical Feeders 9-10, 13-14																											
Permitting					24-Feb-20 A, Permitting																											
ND71220	Permitting - Electrical Feeders 9-10, 13-14	87	13-Feb-20 A	24-Feb-20 A	Permitting - Electrical Feeders 9-10, 13-14																											
Procurement					20-Sep-20 A, Procurement																											
ND40550	Procurement - Electrical Feeders 9-10, 13-14	154	17-Mar-20 A	20-Sep-20 A	Procurement - Electrical Feeders 9-10, 13-14																											
Construction					23-Sep-21 A, Construction																											
ND71600	Construction - Electrical Feeders 11&12	1648	10-Jan-17 A	23-Sep-21 A	Construction - Electrical Feeders 11&12																											
ND71610	Construction - Electrical Feeders 9-14	100	10-Jan-17 A	19-Apr-17 A	Construction - Electrical Feeders 9-14																											
ND21490	Construction - Electrical Feeders 9-10, 13-14	1839	10-Jan-17 A	02-Mar-21 A	Construction - Electrical Feeders 9-10, 13-14																											
ND40350	Project Closeout - Electrical Feeders 9-14	180	21-Sep-20 A	02-Mar-21 A	Project Closeout - Electrical Feeders 9-14																											
ND40350	Project Closeout - Electrical Feeders 9-14	60	03-Mar-21 A	23-Sep-21 A	Project Closeout - Electrical Feeders 9-14																											
Project Administration					24-Feb-20 A, Project Administration																											
ND71770	WASD Project Administration - Electrical Feeders 9-14	1299	10-Jan-17 A	24-Feb-20 A	WASD Project Administration - Electrical Feeders 9-14																											
ND71770	WASD Project Administration - Electrical Feeders 9-14	1299	10-Jan-17 A	24-Feb-20 A	WASD Project Administration - Electrical Feeders 9-14																											
3.09 Flood Mitigation					04-Apr-14 A, 3.09 Flood Mitigation																											
Engineering Design					04-Apr-14 A, 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	21-Apr-14 A	24-Nov-14 A	Flood Mitigation Interim Solution Letter - ND Flood Mitigation																											
ND10030	Engineering Design - ND Flood Mitigation	0	04-Apr-14 A	30-May-15 A	Engineering Design - ND Flood Mitigation																											
ND70640	EPA Compliance Date for Engineering Design - ND Flood Mitigation	422	04-Apr-14 A	30-May-15 A	EPA Compliance Date for Engineering Design - ND Flood Mitigation																											
ND70640	EPA Compliance Date for Engineering Design - ND Flood Mitigation	0	04-Apr-14 A	30-May-15 A	EPA Compliance Date for Engineering Design - ND Flood Mitigation																											
Permitting					26-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																											
ND10060	Permitting - ND Flood Mitigation	0	27-Nov-14 A	26-Nov-15 A	Permitting - ND Flood Mitigation																											
ND70650	EPA Compliance Date for Permitting - ND Flood Mitigation	1	01-May-15 A	01-May-15 A	EPA Compliance Date for Permitting - ND Flood Mitigation																											
ND70650	EPA Compliance Date for Permitting - ND Flood Mitigation	0	01-May-15 A	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	574	01-May-15 A	25-Nov-16 A	EPA Start Date for Procurement - ND Flood Mitigation																											
ND10110	Procurement - ND Flood Mitigation	0	27-Nov-15 A	25-Nov-16 A	Procurement - ND Flood Mitigation																											
ND70660	EPA Compliance Date for Procurement - ND Flood Mitigation	421	01-May-15 A	24-Jun-16 A	EPA Compliance Date for Procurement - ND Flood Mitigation																											
ND70660	EPA Compliance Date for Procurement - ND Flood Mitigation	0	01-May-15 A	25-Nov-16 A	EPA Compliance Date for Procurement - ND Flood Mitigation																											
Construction					31-Aug-17 A, Construction																											
ND10160	Construction - ND Flood Mitigation	854	01-May-15 A	31-Aug-17 A	Construction - ND Flood Mitigation																											
ND10220	Substantial Completion (CD Compliance Date 8/13/17) - ND Flood Mitigation	421	01-May-15 A	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	24-Jun-16 A	EPA Start Date for Construction - ND Flood Mitigation																											
ND70670	EPA Compliance Date for Construction - ND Flood Mitigation	0	26-Nov-16 A	31-Aug-17 A	EPA Compliance Date for Construction - ND Flood Mitigation																											
ND70670	EPA Compliance Date for Construction - ND Flood Mitigation	0	26-Nov-16 A	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																											
ND21590	WASD Project Administration - ND Flood Mitigation	813	04-Apr-14 A	24-Jun-16 A	WASD Project Administration - ND Flood Mitigation																											
3.10 Yard Piping Replacement					04-Dec-21 A, 3.10 Yard Piping Replacement																											
Pre-Design					06-Apr-15 A, Pre-Design																											
ND11435	Pre-Design - ND Secondary Clarifiers	0	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	06-Apr-15 A	06-Apr-15 A	EPA Start Date for Engineering Design - ND Yard Piping Replacement																											
ND70680	EPA Compliance Date for Engineering Design - ND Yard Piping Replacement	0	10-Apr-16 A	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	1	06-Apr-15 A	06-Apr-15 A	EPA Start Date for Permitting - ND Yard Piping Replacement																											
ND70690	EPA Compliance Date for Permitting - ND Yard Piping Replacement	0	17-Jul-17 A	12-Jan-18 A	EPA Compliance Date for Permitting - ND Yard Piping Replacement																											
Procurement					09-Oct-18 A, Procurement																											
ND10240	Procurement - ND Yard Piping Replacement	1305	05-Apr-15 A	09-Oct-18 A	Procurement - ND Yard Piping Replacement																											
ND71180	EPA Start Date for Procurement - ND Yard Piping Replacement	2	05-Apr-15 A	06-Apr-15 A	EPA Start Date for Procurement - ND Yard Piping Replacement																											
ND70700	EPA Compliance Date for Procurement - ND Yard Piping Replacement	0	13-Jan-18 A	09-Oct-18 A	EPA Compliance Date for Procurement - ND Yard Piping Replacement																											
Construction					04-Dec-21 A, Construction																											
ND20870	Rehab 1st 84" Pipe - ND Yard Piping Replacement	2412	25-May-15 A	04-Dec-21 A	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																											
ND20860	Rehab 2nd 84" Pipe - ND Yard Piping Replacement	83	03-Mar-16 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	0	10-Oct-18 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 A	24-May-16 A	EPA Start Date for Construction - ND Yard Piping Replacement																											
ND70710	EPA Compliance Date for Construction - ND Yard Piping Replacement	0	10-Oct-18 A	04-Dec-21 A	EPA Compliance Date for Construction - ND Yard Piping Replacement																											
ND70710	EPA Compliance Date for Construction - ND Yard Piping Replacement	0	10-Oct-18 A	04-Dec-21 A	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																											
ND21600	WASD Project Administration - ND Secondary Clarifiers	415	06-Apr-15 A	24-May-16 A	WASD Project Administration - ND Secondary Clarifiers																											
3.11 SCADA RTU Upgrades					30-Sep-13 A, 3.11 SCADA RTU Upgrades																											
Construction					30-Sep-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	0	01-Oct-13 A	24-Mar-15 A	Construction - ND SCADA RTU Upgrades																											
ND10070	Substantial Completion (CD Compliance Date 3/24/15) - ND SCADA RTU Upgrades	423	30-Sep-13 A	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	30-Sep-13 A	24-Mar-15 A	EPA Compliance Date for Construction - ND SCADA RTU Upgrades																											
ND70720	EPA Compliance Date for Construction - ND SCADA RTU Upgrades	0	30-Sep-13 A	24-Mar-15 A	EPA Compliance Date for Construction - ND SCADA RTU Upgrades																											
Project Administration					26-Nov-14 A, Project Administration																											
ND70720	EPA Compliance Date for Construction - ND SCADA RTU Upgrades	422	30-Sep-13 A	26-Nov-14 A	EPA Compliance Date for Construction - ND SCADA RTU Upgrades																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																										
					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	
CT10290	Construction - Rehab 54" PCCP FM in the City	263	27-Sep-16 A	16-Jun-17 A	Rehab 54" PCCP FM in the City																										
4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)					964	27-Oct-14 A	16-Jun-17 A	4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)																							
Pre-Design					135	27-Oct-14 A	11-Mar-15 A																								
CT22070	Pre-Design - Rehab 2 Miles of 54" PCCP FM in the City	136	27-Oct-14 A	11-Mar-15 A																											
Engineering Design					372	12-Mar-15 A	18-Mar-16 A																								
CT22060	Basis of Design Report (BODR) - Rehab 2 Miles of 54" PCCP FM in the City	121	12-Mar-15 A	10-Jul-15 A																											
CT22620	BODR Design Review - Rehab 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A																											
CT38120	As-Built Design Submittal - Rehab 2 Miles of 54" PCCP FM in the City	42	01-Oct-15 A	11-Nov-15 A																											
CT37350	Negotiate Scope & Fee of Remaining Design - Rehab 2 Miles of 54" PCCP FM in the City	260	30-Mar-15 A	14-Dec-15 A																											
CT80420	Engineering Design - Rehab 2 Miles of 54" PCCP FM in the City	373	12-Mar-15 A	18-Mar-16 A																											
CT22100	Develop Performance Specifications - Rehab 2 Miles of 54" PCCP FM in the City	170	01-Oct-15 A	18-Mar-16 A																											
Permitting					11	11-Jul-15 A	22-Jul-15 A																								
CT22110	Permitting - Rehab 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A																											
Procurement					247	23-Jan-16 A	26-Sep-16 A																								
CT33021	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City	21	23-Jan-16 A	12-Feb-16 A																											
CT33011	Design Documents Sent to Procurement - Rehab 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A																												
CT33031	Advertise Bid Package - Rehab 2 Miles of 54" PCCP FM in the City	0	25-May-16 A																												
CT33041	Bid Solicitation Period - Rehab 2 Miles of 54" PCCP FM in the City	43	25-May-16 A	06-Jul-16 A																											
CT33051	Bids Due - Rehab 2 Miles of 54" PCCP FM in the City	0	07-Jul-16 A																												
CT33061	Bid Review Period - Rehab 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A																											
CT33071	Award Recommendation - Rehab 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A																											
CT50940	Bid Protest - Rehab 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A																											
CT22120	Procurement - Rehab 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A																											
CT33081	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP FM in the City	3	24-Sep-16 A	26-Sep-16 A																											
Construction					262	27-Sep-16 A	16-Jun-17 A																								
CT33091	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City	0	27-Sep-16 A																												
CT22650	Construction - Rehab 2 Miles of 54" PCCP FM in the City	263	27-Sep-16 A	28-May-17 A																											
CT10380	Substantial Completion (CD Compliance Date 05/28/17) - Rehab 2 Miles of 54" PCCP FM in the City	0		16-Jun-17 A																											
Project Administration					828	12-Mar-15 A	16-Jun-17 A																								
CT38390	WASD Project Administration - Rehab 2 Miles of 54" PCCP FM in the City	828	12-Mar-15 A	16-Jun-17 A																											
4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)					1586	27-Oct-14 A	04-Sep-19 A	4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)																							
Pre-Design					135	27-Oct-14 A	11-Mar-15 A																								
CT22660	Pre-Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	136	27-Oct-14 A	11-Mar-15 A																											
Engineering Design					372	12-Mar-15 A	18-Mar-16 A																								
CT22670	Basis of Design Report (BODR) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	121	12-Mar-15 A	10-Jul-15 A																											
CT22680	BODR Design Review - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A																											
CT80430	Engineering Design - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	373	12-Mar-15 A	18-Mar-16 A																											
CT22710	Develop Performance Specifications - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	170	01-Oct-15 A	18-Mar-16 A																											
Permitting					21	01-Jul-15 A	22-Jul-15 A																								
CT22740	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	22	01-Jul-15 A	22-Jul-15 A																											
Procurement					247	23-Jan-16 A	26-Sep-16 A																								
CT35200	Submit/Approve SBD Goals and Request to Advertise - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	21	23-Jan-16 A	12-Feb-16 A																											
CT35190	Design Documents Sent to Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A																												
CT35210	Advertise Bid Package - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	25-May-16 A																												
CT35220	Bid Solicitation Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	43	25-May-16 A	06-Jul-16 A																											
CT35230	Bids Due - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	07-Jul-16 A																												
CT35240	Bid Review Period - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A																											
CT35250	Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A																											
CT50950	Bid Protest - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A																											
CT22750	Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A																											
CT35260	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	3	24-Sep-16 A	26-Sep-16 A																											
Construction					856	27-Sep-16 A	04-Sep-19 A																								
CT35270	Contractor Notice to Proceed (NTP) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	27-Sep-16 A																												
CT22760	Construction Phase 2 - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	365	01-Jan-18 A	29-Aug-18 A																											
CT22770	Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		29-Aug-18 A																											
CT40430	Project Closeout - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	90	30-Aug-18 A	04-Sep-19 A																											
Project Administration					1450	12-Mar-15 A	04-Sep-19 A																								
CT38380	WASD Project Administration - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	1450	12-Mar-15 A	04-Sep-19 A																											
4.09 Replace Approximately 30 miles of AC FM Transmission System					3214	28-Aug-12 A	31-Aug-22	4.09 Replace Approximately 30 miles of AC FM Transmission System																							
Engineering Design					2087	28-Aug-12 A	06-May-19 A																								
CT71490	EPA Start Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0	01-Nov-13 A																												
CT50840	EPA Compliance Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0		09-Oct-14 A																											
CT10110	Engineering Design - Replace ~30 miles of AC FM Trans System	2087	28-Aug-12 A	06-May-19 A																											
Permitting					2005	05-Aug-13 A	31-Dec-18 A																								
CT71500	EPA Start Date for Permitting - Replace ~30 miles of AC FM Trans System**	0	10-Oct-14 A																												
CT10190	Permitting - Replace ~30 miles of AC FM Trans System	1835	05-Aug-13 A	04-Sep-18 A																											
CT50850	EPA Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System	0		31-Dec-18 A																											
Procurement					1992	16-Dec-13 A	08-Oct-19 A																								
CT71510	EPA Start Date for Procurement - Replace ~30 miles of AC FM Trans System**	0	10-Oct-15 A																												
CT50860	EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System	0		30-Apr-19 A																											
CT10270	Procurement - Replace ~30 miles of AC FM Trans System	1750	16-Dec-13 A	08-Oct-19 A																											
Construction					2392	14-Apr-14 A	17-Oct-20 A																								
CT71520	EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System	0	09-Oct-16 A																												
CT10340	Construction - Replace ~30 miles of AC FM Trans System	1935	14-Apr-14 A	05-Jun-20 A																											
CT10420	Substantial Completion (CD Compliance Date 10/17/20) - Replace ~30 miles of AC FM Trans System	0		05-Jun-20 A																											

Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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
CT50880	EPA Compliance Date for Construction - Replace ~30 miles of AC FM Trans System	0		17-Oct-20 A	◆ EPA Compliance Date for Construction																																			
4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66) - Asbestos Concrete Pipe (ACP) Cut and Plug					◆ 31-Jul-22, 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66) - Asbestos Concrete Pipe (ACP)																																			
Pre-Design					◆ 28-Sep-18 A, Pre-Design																																			
CT22260	Pre-Design - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	89	24-Oct-17 A	28-Sep-18 A																																				
Engineering Design					◆ 06-May-19 A, Engineering Design																																			
CT80970	30% Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	64	29-Sep-18 A	31-Dec-18 A																																				
CT80980	30% Design Review - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	14	31-Dec-18 A	16-Jan-19 A																																				
CT81010	100% Design Submittal - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	43	17-Jan-19 A	07-Mar-19 A																																				
CT12101	Engineering Design - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	98	29-Sep-18 A	06-May-19 A																																				
CT81020	100% Design Review/Permit Ready - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	15	08-Mar-19 A	06-May-19 A																																				
Procurement					◆ 08-Oct-19 A, Procurement																																			
CT80850	Design Documents Sent to Procurement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	09-May-19 A	09-May-19 A																																				
CT80860	Submit/Approve SBD Goals and Request to Advertise - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	32	09-May-19 A	20-Jun-19 A																																				
CT80870	Advertise Bid Package - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	21-Jun-19 A	21-Jun-19 A																																				
CT80880	Bid Solicitation Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	45	21-Jun-19 A	05-Aug-19 A																																				
CT80890	Bids Due - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	06-Aug-19 A	06-Aug-19 A																																				
CT80900	Bid Review Period - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	30	06-Aug-19 A	05-Sep-19 A																																				
CT80910	Award Recommendation - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0		05-Sep-19 A																																				
CT80920	Procurement - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	152	09-May-19 A	08-Oct-19 A																																				
CT80930	Final Approvals - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	52	06-Sep-19 A	08-Oct-19 A																																				
Construction					◆ 31-Jul-22, Construction																																			
CT80940	Contractor Notice to Proceed (NTP) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0	21-Oct-19 A	21-Oct-19 A																																				
CT80950	Construction - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	270	21-Oct-19 A	05-Jun-20 A																																				
CT80960	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	0		05-Jun-20 A																																				
CT40440	Project Closeout - 4.09 (1), (27-28), (44-45), (54-56), (57-59), (64), (66)	90	06-Jun-20 A	31-Jul-22																																				
Project Administration					◆ 31-Jul-22, Project Administration																																			
CT38530	WASD Project Administration - 4.09 (1), (27), (28), (44-45), (54-56), (57-59), (64), (66)	644	29-Sep-18 A	31-Jul-22																																				
4.09 (2) Replacement of 2,403 LF of 12" ACP FM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.					◆ (2) Replacement of 2,403 LF of 12" ACP FM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.																																			
Engineering Design					◆ 08-Jul-15 A																																			
CT12151	Engineering Design - 4.09 (2)	441	24-Apr-14 A	08-Jul-15 A																																				
Permitting					◆ 24-Sep-15 A																																			
CT12161	Permitting - 4.09 (2)	78	09-Jul-15 A	24-Sep-15 A																																				
Procurement					◆ 16-May-16 A																																			
CT35010	Design Documents Sent to Procurement - 4.09 (2)	0	26-Oct-15 A	26-Oct-15 A																																				
CT35020	Submit/Approve SBD Goals and Request to Advertise - 4.09 (2)	14	26-Oct-15 A	08-Nov-15 A																																				
CT35030	Advertise Bid Package - 4.09 (2)	0	09-Nov-15 A	09-Nov-15 A																																				
CT35040	Bid Solicitation Period - 4.09 (2)	36	09-Nov-15 A	14-Dec-15 A																																				
CT35050	Bids Due - 4.09 (2)	0	14-Dec-15 A	14-Dec-15 A																																				
CT35060	Bid Review Period - 4.09 (2)	33	14-Dec-15 A	15-Jan-16 A																																				
CT35070	Award Recommendation - 4.09 (2)	0		15-Jan-16 A																																				
CT12171	Procurement - 4.09 (2)	204	26-Oct-15 A	16-May-16 A																																				
CT35080	Final Approvals - 4.09 (2)	122	16-Jan-16 A	16-May-16 A																																				
Construction					◆ 22-Mar-17 A																																			
CT35090	Contractor Notice to Proceed (NTP) - 4.09 (2)	0	17-May-16 A	17-May-16 A																																				
CT12181	Construction - 4.09 (2)	162	17-May-16 A	25-Oct-16 A																																				
CT12191	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (2)	0		25-Oct-16 A																																				
CT40450	Project Closeout - 4.09 (2)	149	25-Oct-16 A	22-Mar-17 A																																				
Project Administration					◆ 22-Mar-17 A																																			
CT38370	WASD Project Administration - 4.09 (2)	1063	24-Apr-14 A	22-Mar-17 A																																				
4.09 (3-5, 8) RPQ T1811 Replacement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.					◆ (3-5, 8) RPQ T1811 Replacement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.																																			
Engineering Design					◆ 02-Aug-13 A																																			
CT12201	Engineering Design - 4.09 (3-5,8)	244	28-Aug-12 A	02-Aug-13 A																																				
Permitting					◆ 20-Dec-13 A																																			
CT12211	Permitting - 4.09 (3-5,8)	100	05-Aug-13 A	20-Dec-13 A																																				
Procurement					◆ 11-Apr-14 A																																			
CT12221	Procurement - 4.09 (3-5,8)	85	16-Dec-13 A	11-Apr-14 A																																				
Construction					◆ 22-Mar-17 A																																			
CT12231	Construction - 4.09 (3-5,8)	1074	14-Apr-14 A	22-Mar-17 A																																				
CT12241	Substantial Completion (CD Compliance Date 10/17/20) - 4.9 (3-5,8)	86	14-Apr-14 A	11-Aug-14 A																																				
CT80630	Project Closeout - 4.9 (3-5,8)	149	25-Oct-16 A	22-Mar-17 A																																				
Project Administration					◆ 11-Aug-14 A																																			
CT38500	WASD Project Administration - 4.09 (3-5,8)	510	28-Aug-12 A	11-Aug-14 A																																				
4.09 (6-7) Replace 325LF of 6" ACP FM from PS #0362 to NW52nd Ct. and 190th St. & 400LF 10" to 189th					◆ 31-Aug-22, 4.09 (6-7) Replace 325LF of 6" ACP FM from PS #0362 to NW52nd Ct. and 190																																			
Pre-Design					◆ 26-Mar-15 A																																			
CT22270	Pre-Design - 4.09 (6-7)	209	29-Aug-14 A	26-Mar-15 A																																				
Engineering Design					◆ 02-Nov-15 A																																			
CT12251	Engineering Design - 4.09 (6-7)	220	27-Mar-15 A	02-Nov-15 A																																				
Permitting					◆ 06-Apr-16 A																																			
CT12261	Permitting - 4.09 (6-7)	155	03-Nov-15 A	06-Apr-16 A																																				
Procurement					◆ 26-Jun-17 A																																			
CT35280	Design Documents Sent to Procurement - 4.09 (6-7)	438	15-Apr-16 A	26-Jun-17 A																																				
CT35290	Submit/Approve SBD Goals and Request to Advertise - 4.09 (6-7)	0	15-Apr-16 A	26-Jun-16 A																																				
CT35300	Advertise Bid Package - 4.09 (6-7)	73	15-Apr-16 A	26-Jun-16 A																																				
CT35310	Bid Solicitation Period - 4.09 (6-7)	0	27-Jun-16 A	26-Jul-16 A																																				
CT35320	Bids Due - 4.09 (6-7)	30	27-Jun-16 A	26-Jul-16 A																																				

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																											
					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
CT40500	Project Closeout - 4.09 (24)	338	28-Oct-16 A	30-Sep-17 A	Project Closeout - 4.09 (24)																											
Project Administration					Project Administration - 4.09 (24)																											
CT38320	WASD Project Administration - 4.09 (24)	923	23-Mar-15 A	30-Sep-17 A	Project Administration - 4.09 (24)																											
4.09 (25-26) Replacement of 1040 LF of 10" ACP FM from NW173rd Dr/52nd Ave. to NW 177th St/52nd Ave.					4.09 (25-26) Replacement of 1040 LF of 10" ACP FM from NW173rd Dr/52nd Ave. to NW 177th St/52nd Ave.																											
Pre-Design					Pre-Design - 4.09 (25-26)																											
CT22310	Pre-Design - 4.09 (25-26)	180	01-Nov-14 A	30-Apr-15 A	Pre-Design - 4.09 (25-26)																											
Engineering Design					Engineering Design - 4.09 (25-26)																											
CT37390	30% Design Submittal - 4.09 (25-26)	34	01-May-15 A	03-Jun-15 A	Engineering Design - 4.09 (25-26)																											
CT37400	60% Design Submittal - 4.09 (25-26)	26	04-Jun-15 A	29-Jun-15 A	Engineering Design - 4.09 (25-26)																											
CT37410	90% Design Submittal - 4.09 (25-26)	24	30-Jun-15 A	23-Jul-15 A	Engineering Design - 4.09 (25-26)																											
CT12601	Engineering Design - 4.09 (25-26)	118	30-Apr-15 A	25-Aug-15 A	Engineering Design - 4.09 (25-26)																											
Permitting					Permitting - 4.09 (25-26)																											
CT12611	Permitting - 4.09 (25-26)	44	29-Sep-15 A	11-Nov-15 A	Permitting - 4.09 (25-26)																											
Procurement					Procurement - 4.09 (25-26)																											
CT35730	Design Documents Sent to Procurement - 4.09 (25-26)	0	18-Dec-15 A		Procurement - 4.09 (25-26)																											
CT35740	Submit/Approve SBD Goals and Request to Advertise - 4.09 (25-26)	87	18-Dec-15 A	13-Mar-16 A	Procurement - 4.09 (25-26)																											
CT35750	Advertise Bid Package - 4.09 (25-26)	0	14-Mar-16 A		Procurement - 4.09 (25-26)																											
CT35760	Bid Solicitation Period - 4.09 (25-26)	52	14-Mar-16 A	04-May-16 A	Procurement - 4.09 (25-26)																											
CT35770	Bids Due - 4.09 (25-26)	0	05-May-16 A		Procurement - 4.09 (25-26)																											
CT35780	Bid Review Period - 4.09 (25-26)	7	05-May-16 A	11-May-16 A	Procurement - 4.09 (25-26)																											
CT35790	Award Recommendation - 4.09 (25-26)	0		11-May-16 A	Procurement - 4.09 (25-26)																											
CT12621	Procurement - 4.09 (25-26)	244	11-Nov-15 A	11-Jul-16 A	Procurement - 4.09 (25-26)																											
CT35800	Final Approvals - 4.09 (25-26)	61	12-May-16 A	11-Jul-16 A	Procurement - 4.09 (25-26)																											
CT50980	P.O. Issued - 4.09 (25-26)	0		11-Jul-16 A	Procurement - 4.09 (25-26)																											
Construction					Construction - 4.09 (25-26)																											
CT35810	Contractor Notice to Proceed (NTP) - 4.09 (25-26)	0	07-Oct-16 A		Construction - 4.09 (25-26)																											
CT12631	Construction - 4.09 (25-26)	179	07-Oct-16 A	03-Apr-17 A	Construction - 4.09 (25-26)																											
CT12641	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (25-26)	0		03-Apr-17 A	Construction - 4.09 (25-26)																											
CT40510	Project Closeout - 4.09 (25-26)	181	04-Apr-17 A	06-Sep-17 A	Construction - 4.09 (25-26)																											
Project Administration					Project Administration - 4.09 (25-26)																											
CT38310	WASD Project Administration - 4.09 (25-26)	885	01-May-15 A	06-Sep-17 A	Project Administration - 4.09 (25-26)																											
4.09 (29-31) Replace 6" & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812					4.09 (29-31) Replace 6" & 12" ACP/PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812																											
Pre-Design					Pre-Design - 4.09 (29-31)																											
CT22580	Pre-Design - 4.09 (29-31)	181	01-Apr-14 A	29-Sep-14 A	Pre-Design - 4.09 (29-31)																											
Engineering Design					Engineering Design - 4.09 (29-31)																											
CT12751	Engineering Design - 4.09 (29-31)	415	30-Sep-14 A	19-Nov-15 A	Engineering Design - 4.09 (29-31)																											
Permitting					Permitting - 4.09 (29-31)																											
CT50490	Miami Dade Public Works Permit - 4.09 (29-31)	131	07-Apr-16 A	15-Aug-16 A	Permitting - 4.09 (29-31)																											
CT12761	Permitting - 4.09 (29-31)	398	07-Apr-16 A	09-May-17 A	Permitting - 4.09 (29-31)																											
CT50480	RER DERM/FDEP Permit - 4.09 (29-31)	362	13-May-16 A	09-May-17 A	Permitting - 4.09 (29-31)																											
Procurement					Procurement - 4.09 (29-31)																											
CT80280	GMOU submittal and approval - 4.09 (29-31)	21	01-Mar-17 A	21-Mar-17 A	Procurement - 4.09 (29-31)																											
CT80180	Internal Bid Package Review - 4.09 (29-31)	12	21-Apr-17 A	02-May-17 A	Procurement - 4.09 (29-31)																											
CT35910	Design Documents Sent to Procurement - 4.09 (29-31)	0	03-May-17 A		Procurement - 4.09 (29-31)																											
CT35920	Submit/Approve SBD Goals and Request to Advertise - 4.09 (29-31)	22	03-May-17 A	24-May-17 A	Procurement - 4.09 (29-31)																											
CT35930	Advertise Bid Package - 4.09 (29-31)	0	25-May-17 A		Procurement - 4.09 (29-31)																											
CT35940	Bid Solicitation Period - 4.09 (29-31)	54	25-May-17 A	17-Jul-17 A	Procurement - 4.09 (29-31)																											
CT35950	Bids Due - 4.09 (29-31)	0	18-Jul-17 A		Procurement - 4.09 (29-31)																											
CT35960	Bid Review Period - 4.09 (29-31)	29	18-Jul-17 A	15-Aug-17 A	Procurement - 4.09 (29-31)																											
CT35970	Award Recommendation - 4.09 (29-31)	0		15-Aug-17 A	Procurement - 4.09 (29-31)																											
CT12771	Procurement - 4.09 (29-31)	166	03-May-17 A	22-Sep-17 A	Procurement - 4.09 (29-31)																											
CT35980	Final Approvals - 4.09 (29-31)	61	16-Aug-17 A	22-Sep-17 A	Procurement - 4.09 (29-31)																											
Construction					Construction - 4.09 (29-31)																											
CT35990	Contractor Notice to Proceed (NTP) - 4.09 (29-31)	0	05-Mar-18 A		Construction - 4.09 (29-31)																											
CT12781	Construction - 4.09 (29-31)	320	05-Mar-18 A	12-Sep-19 A	Construction - 4.09 (29-31)																											
CT12791	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (29-31)	0		12-Sep-19 A	Construction - 4.09 (29-31)																											
CT40540	Project Closeout - 4.09 (29-31)	90	13-Sep-19 A	01-Jun-22 A	Construction - 4.09 (29-31)																											
Project Administration					Project Administration - 4.09 (29-31)																											
CT38280	WASD Project Administration - 4.09 (29-31)	1522	30-Sep-14 A	01-Jun-22 A	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 - 4.09 (32)																											
CT22340	Pre-Design - 4.09 (32)	156	26-Nov-14 A	30-Apr-15 A	Pre-Design - 4.09 (32)																											
Engineering Design					Engineering Design - 4.09 (32)																											
CT37420	30% Design Submittal - 4.09 (32)	55	01-May-15 A	24-Jun-15 A	Engineering Design - 4.09 (32)																											
CT37430	60% Design Submittal - 4.09 (32)	27	25-Jun-15 A	21-Jul-15 A	Engineering Design - 4.09 (32)																											
CT37440	90% Design Submittal - 4.09 (32)	22	22-Jul-15 A	12-Aug-15 A	Engineering Design - 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 - 4.09 (32)																											
CT12811	Permitting - 4.09 (32)	85	28-Sep-15 A	21-Dec-15 A	Permitting - 4.09 (32)																											
Procurement					Procurement - 4.09 (32)																											
CT36000	Design Documents Sent to Procurement - 4.09 (32)	0	22-Dec-15 A		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	Procurement - 4.09 (32)																											
CT36020	Advertise Bid Package - 4.09 (32)	0	15-Mar-16 A		Procurement - 4.09 (32)																											
CT36030	Bid Solicitation Period - 4.09 (32)	30	15-Mar-16 A	13-Apr-16 A	Procurement - 4.09 (32)																											
CT36040	Bids Due - 4.09 (32)	0	14-Apr-16 A		Procurement - 4.09 (32)																											

Table with columns for Activity ID, Activity Name, Original Duration, Start, Finish, and quarterly breakdowns for years 2018 through 2026. Includes project phases like Construction, Engineering Design, and Procurement.

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CT50580	Public Works Permit - 4.09 (46)	90	10-Mar-17 A	11-Apr-17 A	Public Works Permit - 4.09 (46)																			
CT13111	Permitting - 4.09 (46)	90	10-Mar-17 A	27-Aug-18 A	Permitting - 4.09 (46)																			
CT50570	RER (DERM) Permit - 4.09 (46)	45	08-Jun-18 A	27-Aug-18 A	RER (DERM) Permit - 4.09 (46)																			
Procurement					20-Dec-18 A, Procurement																			
CT80310	GMOU submittal and approval - 4.09 (46)	22	15-Aug-17 A	05-Sep-17 A	submittal and approval - 4.09 (46)																			
CT80200	Internal Bid Package Review - 4.09 (46)	3	21-May-18 A	10-Jul-18 A	Internal Bid Package Review - 4.09 (46)																			
CT36270	Design Documents Sent to Procurement - 4.09 (46)	0	11-Jul-18 A		Design Documents Sent to Procurement - 4.09 (46)																			
CT36280	Submit/Approve SBD Goals and Request to Advertise - 4.09 (46)	45	11-Jul-18 A	20-Aug-18 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (46)																			
CT36290	Advertise Bid Package - 4.09 (46)	0	21-Aug-18 A		Advertise Bid Package - 4.09 (46)																			
CT36300	Bid Solicitation Period - 4.09 (46)	45	21-Aug-18 A	24-Sep-18 A	Bid Solicitation Period - 4.09 (46)																			
CT36310	Bids Due - 4.09 (46)	0	25-Sep-18 A		Bids Due - 4.09 (46)																			
CT36320	Bid Review Period - 4.09 (46)	30	25-Sep-18 A	09-Nov-18 A	Bid Review Period - 4.09 (46)																			
CT36330	Award Recommendation - 4.09 (46)	0	09-Nov-18 A		Award Recommendation - 4.09 (46)																			
CT13121	Procurement - 4.09 (46)	210	11-Jul-18 A	20-Dec-18 A	Procurement - 4.09 (46)																			
CT36340	Final Approvals - 4.09 (46)	34	10-Nov-18 A	20-Dec-18 A	Final Approvals - 4.09 (46)																			
Construction					11-Jun-21 A, Construction																			
CT36350	Contractor Notice to Proceed (NTP) - 4.09 (46)	0	18-Feb-19 A		Contractor Notice to Proceed (NTP) - 4.09 (46)																			
CT13131	Construction - 4.09 (46)	365	18-Feb-19 A	21-Apr-20 A	Construction - 4.09 (46)																			
CT13191	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (46)	0	21-Apr-20 A		Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (46)																			
CT40590	Project Closeout - 4.09 (46)	50	22-Apr-20 A	11-Jun-21 A	Project Closeout - 4.09 (46)																			
Project Administration					11-Jun-21 A, Project Administration																			
CT38240	WASD Project Administration - 4.09 (46)	839	23-Sep-16 A	11-Jun-21 A	WASD Project Administration - 4.09 (46)																			
4.09 (47) Replacement of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.					23-Jan-18 A, 4.09 (47) Replacement of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.																			
Pre-Design																								
CT22410	Pre-Design - 4.09 (47)	77	12-Feb-15 A	30-Apr-15 A	Pre-Design - 4.09 (47)																			
Engineering Design																								
CT37450	30% Design Submittal - 4.09 (47)	54	01-May-15 A	23-Jun-15 A	30% Design Submittal - 4.09 (47)																			
CT37460	60% Design Submittal - 4.09 (47)	37	24-Jun-15 A	30-Jul-15 A	60% Design Submittal - 4.09 (47)																			
CT13151	Engineering Design - 4.09 (47)	138	01-May-15 A	15-Sep-15 A	Engineering Design - 4.09 (47)																			
CT37470	90% Design Submittal - 4.09 (47)	44	03-Aug-15 A	15-Sep-15 A	90% Design Submittal - 4.09 (47)																			
Permitting																								
CT13161	Permitting - 4.09 (47)	83	29-Sep-15 A	21-Dec-15 A	Permitting - 4.09 (47)																			
Procurement																								
CT36360	Design Documents Sent to Procurement - 4.09 (47)	0	22-Dec-15 A		Design Documents Sent to Procurement - 4.09 (47)																			
CT36370	Submit/Approve SBD Goals and Request to Advertise - 4.09 (47)	84	22-Dec-15 A	14-Mar-16 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (47)																			
CT36380	Advertise Bid Package - 4.09 (47)	0	15-Mar-16 A		Advertise Bid Package - 4.09 (47)																			
CT36390	Bid Solicitation Period - 4.09 (47)	30	15-Mar-16 A	13-Apr-16 A	Bid Solicitation Period - 4.09 (47)																			
CT36400	Bids Due - 4.09 (47)	0	14-Apr-16 A		Bids Due - 4.09 (47)																			
CT36410	Bid Review Period - 4.09 (47)	15	14-Apr-16 A	28-Apr-16 A	Bid Review Period - 4.09 (47)																			
CT36420	Award Recommendation - 4.09 (47)	0	28-Apr-16 A		Award Recommendation - 4.09 (47)																			
CT13171	Procurement - 4.09 (47)	158	22-Dec-15 A	27-May-16 A	Procurement - 4.09 (47)																			
CT36430	Final Approvals - 4.09 (47)	29	29-Apr-16 A	27-May-16 A	Final Approvals - 4.09 (47)																			
Construction					23-Jan-18 A, Construction																			
CT36440	Contractor Notice to Proceed (NTP) - 4.09 (47)	0	26-Sep-16 A		Contractor Notice to Proceed (NTP) - 4.09 (47)																			
CT13141	Construction - 4.09 (47)	129	26-Sep-16 A	01-Feb-17 A	Construction - 4.09 (47)																			
CT13181	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (47)	0	01-Feb-17 A		Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (47)																			
CT40600	Project Closeout - 4.09 (47)	241	02-Feb-17 A	23-Jan-18 A	Project Closeout - 4.09 (47)																			
Project Administration					23-Jan-18 A, Project Administration																			
CT38230	WASD Project Administration - 4.09 (47)	884	01-May-15 A	23-Jan-18 A	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 SW123C/258St					31-May-22 A, 4.09 (48-53, 63) Replace 8" & 10" ACP FM with 16", 12" & 8" DIP - SW142 Ave/SW288St to SW123C/258St																			
Pre-Design																								
CT22450	Pre-Design - 4.09 (48-53, 63)	195	10-Jun-15 A	22-Dec-15 A	Pre-Design - 4.09 (48-53, 63)																			
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																								
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																								
CT80320	GMOU submittal and approval - 4.09 (48-53, 63)	22	15-Aug-17 A	05-Sep-17 A	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 A	Bid Solicitation Period - 4.09 (48-53, 63)																			
CT36490	Bids Due - 4.09 (48-53, 63)	0	19-Jul-18 A		Bids Due - 4.09 (48-53, 63)																			
CT36500	Bid Review Period - 4.09 (48-53, 63)	30	19-Jul-18 A	20-Aug-18 A	Bid Review Period - 4.09 (48-53, 63)																			
CT36510	Award Recommendation - 4.09 (48-53, 63)	0	21-Aug-18 A		Award Recommendation - 4.09 (48-53, 63)																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024				2025				2026	
					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
CT13371	Procurement - 4.09 (48-53, 63)	150	10-May-18 A	27-Sep-18 A	Procurement - 4.09 (48-53, 63)																															
CT36520	Final Approvals - 4.09 (48-53, 63)	60	22-Aug-18 A	27-Sep-18 A	Final Approvals - 4.09 (48-53, 63)																															
Construction					31-May-22 A, Construction																															
CT36530	Contractor Notice to Proceed (NTP) - 4.09 (48-53, 63)	673	28-Sep-18 A	31-May-22 A	Contractor Notice to Proceed (NTP) - 4.09 (48-53, 63)																															
CT13381	Construction - 4.09 (48-53, 63)	400	28-Sep-18 A	01-May-20 A	Construction - 4.09 (48-53, 63)																															
CT13391	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (48-53, 63)	0	01-May-20 A	01-May-20 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (48-53, 63)																															
CT40610	Project Closeout - 4.09 (48-53, 63)	90	02-May-20 A	31-May-22 A	Project Closeout - 4.09 (48-53, 63)																															
Project Administration					31-May-22 A, Project Administration																															
CT38220	WASD Project Administration - 4.09 (48-53, 63)	1325	14-Mar-16 A	31-May-22 A	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"					07-Jun-21 A, 4.09 (60-62) Replace 1500LF 8" ACP FM (PS#1013 - PS#1012), 2550LF 10" (SW144th/SW 280th St) 958LF 8"																															
Pre-Design					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					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					04-Sep-18 A, Permitting																															
CT81110	Public Works Permit - 4.09 (60-62)	90	22-May-18 A	26-Jun-18 A	Public Works Permit - 4.09 (60-62)																															
CT81140	SFWMD Permit - 4.09 (60-62)	90	20-Jun-18 A	09-Aug-18 A	SFWMD Permit - 4.09 (60-62)																															
CT13611	Permitting - 4.09 (60-62)	90	21-Jun-18 A	04-Sep-18 A	Permitting - 4.09 (60-62)																															
CT81100	RER/DERM Permit - 4.09 (60-62)	90	22-Jun-18 A	04-Sep-18 A	RER/DERM Permit - 4.09 (60-62)																															
Procurement					05-Feb-19 A, Procurement																															
CT80220	Internal Bid Package Review - 4.09 (60-62)	153	05-Sep-18 A	05-Feb-19 A	Internal Bid Package Review - 4.09 (60-62)																															
CT36630	Design Documents Sent to Procurement - 4.09 (60-62)	4	05-Sep-18 A	09-Sep-18 A	Design Documents Sent to Procurement - 4.09 (60-62)																															
CT36640	Submit/Approve SBD Goals and Request to Advertise - 4.09 (60-62)	25	10-Sep-18 A	25-Sep-18 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (60-62)																															
CT36650	Advertise Bid Package - 4.09 (60-62)	0	26-Sep-18 A		Advertise Bid Package - 4.09 (60-62)																															
CT36660	Bid Solicitation Period - 4.09 (60-62)	30	26-Sep-18 A	01-Nov-18 A	Bid Solicitation Period - 4.09 (60-62)																															
CT36670	Bids Due - 4.09 (60-62)	0	02-Nov-18 A		Bids Due - 4.09 (60-62)																															
CT36680	Bid Review Period - 4.09 (60-62)	15	02-Nov-18 A	20-Dec-18 A	Bid Review Period - 4.09 (60-62)																															
CT36690	Award Recommendation - 4.09 (60-62)	0		20-Dec-18 A	Award Recommendation - 4.09 (60-62)																															
CT13621	Procurement - 4.09 (60-62)	100	10-Sep-18 A	05-Feb-19 A	Procurement - 4.09 (60-62)																															
CT36700	Final Approvals - 4.09 (60-62)	54	21-Dec-18 A	05-Feb-19 A	Final Approvals - 4.09 (60-62)																															
Construction					07-Jun-21 A, Construction																															
CT36710	Contractor Notice to Proceed (NTP) - 4.09 (60-62)	371	11-Feb-19 A	07-Jun-21 A	Contractor Notice to Proceed (NTP) - 4.09 (60-62)																															
CT13631	Construction - 4.09 (60-62)	280	11-Feb-19 A	21-Aug-19 A	Construction - 4.09 (60-62)																															
CT13641	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (60-62)	0	21-Aug-19 A	21-Aug-19 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (60-62)																															
CT40640	Project Closeout - 4.09 (60-62)	90	22-Aug-19 A	07-Jun-21 A	Project Closeout - 4.09 (60-62)																															
Project Administration					07-Jun-21 A, Project Administration																															
CT38210	WASD Project Administration - 4.09 (60-62)	718	19-Oct-17 A	07-Jun-21 A	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.					07-Jun-21 A, 4.09 (65) Replacement of 2250 LF of 6" ACP FM from PS#1002 to SW 152nd Ave. and 304th St.																															
Pre-Design					Nov-17 A, Pre-Design																															
CT22530	Pre-Design - 4.09 (65)	355	28-Oct-16 A	02-Nov-17 A	Pre-Design - 4.09 (65)																															
Engineering Design					10-Jul-18 A, Engineering Design																															
CT80640	30% Design Submittal - 4.09 (65)	247	19-Oct-17 A	10-Jul-18 A	30% Design Submittal - 4.09 (65)																															
CT80650	30% Design Review - 4.09 (65)	60	19-Oct-17 A	23-Jan-18 A	30% Design Review - 4.09 (65)																															
CT80680	90% Design Submittal - 4.09 (65)	10	24-Jan-18 A	26-Feb-18 A	90% Design Submittal - 4.09 (65)																															
CT13751	Engineering Design - 4.09 (65)	60	27-Feb-18 A	08-Jun-18 A	Engineering Design - 4.09 (65)																															
CT80690	90% Design Review/Permit Ready Submittal - 4.09 (65)	210	19-Oct-17 A	10-Jul-18 A	90% Design Review/Permit Ready Submittal - 4.09 (65)																															
Permitting					16-Aug-18 A, Permitting																															
CT81160	MDC Public Works Permit - 4.09 (65)	14	09-Jun-18 A	10-Jul-18 A	MDC Public Works Permit - 4.09 (65)																															
CT13761	Permitting - 4.09 (65)	90	23-Jul-18 A	16-Aug-18 A	Permitting - 4.09 (65)																															
CT81150	RER/DERM Permit - 4.09 (65)	90	23-Jul-18 A	16-Aug-18 A	RER/DERM Permit - 4.09 (65)																															
Procurement					14-Mar-19 A, Procurement																															
CT80230	Internal Bid Package Review - 4.09 (65)	206	21-Aug-18 A	14-Mar-19 A	Internal Bid Package Review - 4.09 (65)																															
CT36720	Design Documents Sent to Procurement - 4.09 (65)	3	21-Aug-18 A	23-Aug-18 A	Design Documents Sent to Procurement - 4.09 (65)																															
CT36730	Submit/Approve SBD Goals and Request to Advertise - 4.09 (65)	0	29-Aug-18 A		Submit/Approve SBD Goals and Request to Advertise - 4.09 (65)																															
CT36740	Advertise Bid Package - 4.09 (65)	30	29-Aug-18 A	25-Sep-18 A	Advertise Bid Package - 4.09 (65)																															
CT36750	Bid Solicitation Period - 4.09 (65)	30	26-Sep-18 A	25-Oct-18 A	Bid Solicitation Period - 4.09 (65)																															
CT36760	Bids Due - 4.09 (65)	0	26-Oct-18 A		Bids Due - 4.09 (65)																															
CT36770	Bid Review Period - 4.09 (65)	30	26-Oct-18 A	30-Jan-19 A	Bid Review Period - 4.09 (65)																															
CT36780	Award Recommendation - 4.09 (65)	15	26-Oct-18 A	30-Jan-19 A	Award Recommendation - 4.09 (65)																															
CT13771	Procurement - 4.09 (65)	0		30-Jan-19 A	Procurement - 4.09 (65)																															
CT36790	Final Approvals - 4.09 (65)	105	29-Aug-18 A	14-Mar-19 A	Final Approvals - 4.09 (65)																															
Construction					07-Jun-21 A, Construction																															
CT36800	Contractor Notice to Proceed (NTP) - 4.09 (65)	334	24-Jun-19 A	07-Jun-21 A	Contractor Notice to Proceed (NTP) - 4.09 (65)																															
CT13781	Construction - 4.09 (65)	0	24-Jun-19 A	12-Dec-19 A	Construction - 4.09 (65)																															
CT13791	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (65)	220	24-Jun-19 A	12-Dec-19 A	Substantial Completion (CD Compliance Date 10/17/20) - 4.09 (65)																															
CT40660	Project Closeout - 4.09 (65)	0	13-Dec-19 A	07-Jun-21 A	Project Closeout - 4.09 (65)																															
Project Administration					07-Jun-21 A, Project Administration																															
CT38200	WASD Project Administration - 4.09 (65)	658	19-Oct-17 A	07-Jun-21 A	WASD Project Administration - 4.09 (65)																															
4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132 Along Bikini Blvd to MH5 in Hanger Rd					06-Jun-22 A, 4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132 Along Bikini Blvd to MH5 in																															
Pre-Design					29-Aug-14 A, Pre-Design																															
CT14201	Pre-Design - 4.09 (67)	137	29-Aug-14 A	13-Jan-15 A	Pre-Design - 4.09 (67)																															

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																							
					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																												
CT13851	Engineering Design - 4.09 (67)	436	13-Feb-15 A	24-Apr-16 A																								
Permitting																												
CT13861	Permitting - 4.09 (67)	192	25-Apr-16 A	03-Nov-16 A																								
CT50390	DERM Permit - 4.09 (67)	193	25-Apr-16 A	03-Nov-16 A																								
CT50400	Public Works Permit - 4.09 (67)	35	30-Sep-16 A	03-Nov-16 A																								
Procurement																												
CT80360	GMOU submittal and approval - 4.09 (67)	312	16-Feb-17 A	27-Feb-18 A																								
CT80250	Internal Bid Package Review - 4.09 (67)	21	16-Feb-17 A	08-Mar-17 A																								
CT36900	Design Documents Sent to Procurement - 4.09 (67)	6	19-May-17 A	24-May-17 A																								
CT36910	Submit/Approve SBD Goals and Request to Advertise - 4.09 (67)	0	25-May-17 A	20-Jun-17 A																								
CT36920	Advertise Bid Package - 4.09 (67)	27	25-May-17 A	20-Jun-17 A																								
CT36930	Bid Solicitation Period - 4.09 (67)	0	21-Jun-17 A	08-Aug-17 A																								
CT36940	Bids Due - 4.09 (67)	49	21-Jun-17 A	08-Aug-17 A																								
CT36950	Bid Review Period - 4.09 (67)	0	09-Aug-17 A	25-Oct-17 A																								
CT36960	Award Recommendation - 4.09 (67)	77	09-Aug-17 A	25-Oct-17 A																								
CT13871	Procurement - 4.09 (67)	0	25-May-17 A	29-Jan-18 A																								
CT36970	Final Approvals - 4.09 (67)	183	26-Oct-17 A	27-Feb-18 A																								
Construction																												
CT36980	Contractor Notice to Proceed (NTP) - 4.09 (67)	30	05-Nov-18 A	06-Jun-22 A																								
CT13881	Construction - 4.09 (67)	0	05-Nov-18 A	26-Feb-21 A																								
CT13891	Substantial Completion (Non-Consent Decree) - 4.09 (67)	250	05-Nov-18 A	26-Feb-21 A																								
CT40680	Project Closeout - 4.09 (67)	0	27-Feb-21 A	06-Jun-22 A																								
Project Administration																												
CT38180	WASD Project Administration - 4.09 (67)	90	13-Feb-15 A	06-Jun-22 A																								
4.09 (68) Replacement of 3,400 LF of 6" and 8" ACPFM, from PS#0364 to NW 199th St/42nd Ave.																												
CT38180	WASD Project Administration - 4.09 (67)	1355	13-Feb-15 A	06-Jun-22 A																								
CT38180	WASD Project Administration - 4.09 (67)	1355	13-Feb-15 A	06-Jun-22 A																								
Pre-Design																												
CT20020	Pre-Design - 4.09 (68)	1141	29-Aug-14 A	03-Oct-14 A																								
Engineering Design																												
CT13901	Engineering Design - 4.09 (68)	35	29-Aug-14 A	03-Oct-14 A																								
Permitting																												
CT13911	Permitting - 4.09 (68)	405	16-Nov-15 A	06-Apr-16 A																								
Procurement																												
CT36990	Design Documents Sent to Procurement - 4.09 (68)	142	16-Nov-15 A	06-Apr-16 A																								
CT37000	Submit/Approve SBD Goals and Request to Advertise - 4.09 (68)	143	16-Nov-15 A	06-Apr-16 A																								
CT37010	Advertise Bid Package - 4.09 (68)	83	07-Apr-16 A	29-Jun-16 A																								
CT37020	Bid Solicitation Period - 4.09 (68)	0	07-Apr-16 A	14-Apr-16 A																								
CT37030	Bids Due - 4.09 (68)	8	15-Apr-16 A	23-May-16 A																								
CT37040	Bid Review Period - 4.09 (68)	0	23-May-16 A	26-May-16 A																								
CT37050	Award Recommendation - 4.09 (68)	39	24-May-16 A	26-May-16 A																								
CT13921	Procurement - 4.09 (68)	0	07-Apr-16 A	29-Jun-16 A																								
CT37060	Final Approvals - 4.09 (68)	84	07-Apr-16 A	29-Jun-16 A																								
CT50990	P.O. Issued - 4.09 (68)	34	27-May-16 A	29-Jun-16 A																								
Construction																												
CT37070	Contractor Notice to Proceed (NTP) - 4.09 (68)	0	12-Sep-16 A	27-Jan-21 A																								
CT13931	Construction - 4.09 (68)	396	12-Sep-16 A	27-Jan-21 A																								
CT13941	Substantial Completion (Non-Consent Decree) - 4.09 (68)	0	12-Sep-16 A	14-Mar-17 A																								
CT40690	Project Closeout - 4.09 (68)	184	12-Sep-16 A	27-Jan-21 A																								
Project Administration																												
CT38170	WASD Project Administration - 4.09 (68)	212	06-Oct-14 A	27-Jan-21 A																								
4.09 (69) Replacement of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.																												
CT38170	WASD Project Administration - 4.09 (68)	1103	06-Oct-14 A	27-Jan-21 A																								
CT38170	WASD Project Administration - 4.09 (68)	1103	06-Oct-14 A	27-Jan-21 A																								
Pre-Design																												
CT22590	Pre-Design - 4.09 (69)	1233	16-Jun-14 A	30-Apr-15 A																								
Engineering Design																												
CT37480	30% Design Submittal - 4.09 (69)	318	01-May-15 A	14-Aug-15 A																								
CT37490	60% Design Submittal - 4.09 (69)	105	01-May-15 A	29-May-15 A																								
CT37500	90% Design Submittal - 4.09 (69)	29	01-Jun-15 A	03-Jul-15 A																								
CT13951	Engineering Design - 4.09 (69)	33	06-Jul-15 A	14-Aug-15 A																								
Permitting																												
CT13961	Permitting - 4.09 (69)	40	19-Oct-15 A	18-Jan-16 A																								
Procurement																												
CT37080	Design Documents Sent to Procurement - 4.09 (69)	105	19-Jan-16 A	19-May-16 A																								
CT37090	Submit/Approve SBD Goals and Request to Advertise - 4.09 (69)	91	19-Jan-16 A	06-Mar-16 A																								
CT37100	Advertise Bid Package - 4.09 (69)	92	07-Mar-16 A	05-Apr-16 A																								
CT37110	Bid Solicitation Period - 4.09 (69)	121	07-Mar-16 A	05-Apr-16 A																								
CT37120	Bids Due - 4.09 (69)	0	06-Apr-16 A	11-Apr-16 A																								
CT37130	Bid Review Period - 4.09 (69)	0	06-Apr-16 A	11-Apr-16 A																								
CT37140	Award Recommendation - 4.09 (69)	6	06-Apr-16 A	11-Apr-16 A																								
CT13971	Procurement - 4.09 (69)	122	19-Jan-16 A	19-May-16 A																								
CT37150	Final Approvals - 4.09 (69)	38	12-Apr-16 A	19-May-16 A																								
Construction																												
CT37160	Contractor Notice to Proceed (NTP) - 4.09 (69)	470	18-Jul-16 A	28-Aug-18 A																								
CT13981	Construction - 4.09 (69)	0	18-Jul-16 A	27-Oct-16 A																								
CT13991	Substantial Completion (Non-Consent Decree) - 4.09 (69)	102	18-Jul-16 A	27-Oct-16 A																								
CT40700	Project Closeout - 4.09 (69)	0	28-Oct-16 A	28-Aug-18 A																								

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Project Administration					Project Administration																							
CT38150	WASD Project Administration - 4.09 (69)	694	01-May-15 A	25-Mar-17 A	Project Administration - 4.09 (69)																							
4.09 (70) Replace 8000LF of 10" ACPFM at US-1 from SW 184th St. to N. of Caribbean Blvd					10" ACP FM at US-1 from SW 184th St. to N. of Caribbean Blvd																							
Pre-Design					Pre-Design - 4.09 (70)																							
CT20000	Pre-Design - 4.09 (70)	407	13-Sep-14 A	25-Oct-15 A	Pre-Design - 4.09 (70)																							
CT33000	Pre-Design (Revised Project Scope) - 4.09 (70)	44	13-Sep-14 A	26-Oct-14 A	Pre-Design (Revised Project Scope) - 4.09 (70)																							
Engineering Design					Engineering Design - 4.09 (70)																							
CT14001	Engineering Design (Original Project Scope) - 4.09 (70)	119	29-Jun-15 A	25-Oct-15 A	Engineering Design (Original Project Scope) - 4.09 (70)																							
CT80440	Engineering Design - 4.09 (70)	506	27-Oct-14 A	16-Mar-16 A	Engineering Design - 4.09 (70)																							
CT33001	Engineering Design (Revised Project Scope) - 4.09 (70)	245	27-Oct-14 A	28-Jun-15 A	Engineering Design (Revised Project Scope) - 4.09 (70)																							
CT80700	Project Cancelled - 4.09 (70)	507	27-Oct-14 A	16-Mar-16 A	Project Cancelled - 4.09 (70)																							
Project Administration					Project Administration - 4.09 (70)																							
CT38160	WASD Project Administration - 4.09 (70)	506	27-Oct-14 A	16-Mar-16 A	WASD Project Administration - 4.09 (70)																							
4.09 (71) Replace 8" ACPFM from PS#0445, West to NW 207th St, 4" From PS#0444 to NW207St					8" ACP FM from PS#0445, West to NW 207th St, 4" From PS#0444 to NW207St																							
Pre-Design					Pre-Design - 4.09 (71)																							
CT22550	Pre-Design - 4.09 (71)	90	01-Nov-14 A	30-Jan-15 A	Pre-Design - 4.09 (71)																							
Engineering Design					Engineering Design - 4.09 (71)																							
CT14051	Engineering Design - 4.09 (71)	442	02-Feb-15 A	19-Apr-16 A	Engineering Design - 4.09 (71)																							
Permitting					Permitting - 4.09 (71)																							
CT50410	DERM Permit - 4.09 (71)	100	19-Apr-16 A	28-Jul-16 A	DERM Permit - 4.09 (71)																							
CT14061	Permitting - 4.09 (71)	20	20-Apr-16 A	09-May-16 A	Permitting - 4.09 (71)																							
CT50420	Public Works Permit (City of Miami Gardens) - 4.09 (71)	101	19-Apr-16 A	28-Jul-16 A	Public Works Permit (City of Miami Gardens) - 4.09 (71)																							
Procurement					Procurement - 4.09 (71)																							
CT80390	GMOU Submittal and Approval - 4.09 (71)	373	09-Feb-17 A	23-Jan-18 A	GMOU Submittal and Approval - 4.09 (71)																							
CT80400	Internal Bid Package Review - 4.09 (71)	21	09-Feb-17 A	01-Mar-17 A	Internal Bid Package Review - 4.09 (71)																							
CT37170	Design Documents Sent to Procurement - 4.09 (71)	5	17-May-17 A	21-May-17 A	Design Documents Sent to Procurement - 4.09 (71)																							
CT37180	Submit/Approve SBD Goals and Request to Advertise - 4.09 (71)	0	22-May-17 A	31-May-17 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (71)																							
CT37190	Advertise Bid Package - 4.09 (71)	10	22-May-17 A	31-May-17 A	Advertise Bid Package - 4.09 (71)																							
CT37200	Bid Solicitation Period - 4.09 (71)	0	01-Jun-17 A	01-Jun-17 A	Bid Solicitation Period - 4.09 (71)																							
CT37210	Bids Due - 4.09 (71)	55	01-Jun-17 A	25-Jul-17 A	Bids Due - 4.09 (71)																							
CT37220	Bid Review Period - 4.09 (71)	0	26-Jul-17 A	15-Dec-17 A	Bid Review Period - 4.09 (71)																							
CT37230	Award Recommendation - 4.09 (71)	97	26-Jul-17 A	15-Dec-17 A	Award Recommendation - 4.09 (71)																							
CT14071	Procurement - 4.09 (71)	0	22-May-17 A	23-Jan-18 A	Procurement - 4.09 (71)																							
CT37240	Final Approvals - 4.09 (71)	192	16-Dec-17 A	23-Jan-18 A	Final Approvals - 4.09 (71)																							
Construction					Construction - 4.09 (71)																							
CT37250	Contractor Notice to Proceed (NTP) - 4.09 (71)	310	10-Sep-18 A	11-Jun-21 A	Contractor Notice to Proceed (NTP) - 4.09 (71)																							
CT14081	Construction - 4.09 (71)	0	10-Sep-18 A	10-Sep-18 A	Construction - 4.09 (71)																							
CT14091	Substantial Completion (Non-Consent Decree) - 4.09 (71)	210	10-Sep-18 A	24-Apr-19 A	Substantial Completion (Non-Consent Decree) - 4.09 (71)																							
CT40720	Project Closeout - 4.09 (71)	0	24-Apr-19 A	24-Apr-19 A	Project Closeout - 4.09 (71)																							
Project Administration					Project Administration - 4.09 (71)																							
CT38140	WASD Project Administration - 4.09 (71)	1332	02-Feb-15 A	11-Jun-21 A	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					9152 LF of 8", 12" and 16" ACP FM from PS#0891 to SW 108th St-127th Ave-88th St																							
Engineering Design					Engineering Design - 4.09 (72)																							
CT14161	Project Transferred to CIP - 4.09 (72)	0	18-Jul-16 A	18-Jul-16 A	Project Transferred to CIP - 4.09 (72)																							
4.09 (73) Replace 14,350 LF of 10", 8" and 6" ACP FM from PS#0728, PS#0709, PS#0738, PS#0735, PS#0730					14,350 LF of 10", 8" and 6" ACP FM from PS#0728, PS#0709, PS#0738, PS#0735, PS#0730																							
Pre-Design					Pre-Design - 4.09 (73)																							
CT20010	Pre-Design - 4.09 (73)	1998	29-Aug-14 A	03-Jun-22 A	Pre-Design - 4.09 (73)																							
Engineering Design					Engineering Design - 4.09 (73)																							
CT37510	30% Design Submittal - 4.09 (73)	216	29-Aug-14 A	02-Apr-15 A	30% Design Submittal - 4.09 (73)																							
CT37520	60% Design Submittal - 4.09 (73)	223	03-Apr-15 A	12-Nov-15 A	60% Design Submittal - 4.09 (73)																							
CT14111	Engineering Design - 4.09 (73)	126	03-Apr-15 A	06-Aug-15 A	Engineering Design - 4.09 (73)																							
CT37530	90% Design Submittal - 4.09 (73)	56	07-Aug-15 A	01-Oct-15 A	90% Design Submittal - 4.09 (73)																							
Permitting					Permitting - 4.09 (73)																							
CT50510	Miami Dade Public Works Permit - 4.09 (73)	224	03-Apr-15 A	12-Nov-15 A	Miami Dade Public Works Permit - 4.09 (73)																							
CT50500	RER (DERM) / FDEP Permit - 4.09 (73)	42	02-Oct-15 A	12-Nov-15 A	RER (DERM) / FDEP Permit - 4.09 (73)																							
CT50520	South Florida Water Management District (SFWMD) Permit - 4.09 (73)	245	18-Dec-15 A	19-Aug-16 A	South Florida Water Management District (SFWMD) Permit - 4.09 (73)																							
CT14121	Permitting - 4.09 (73)	74	18-Dec-15 A	29-Feb-16 A	Permitting - 4.09 (73)																							
CT50870	Tree Permit - 4.09 (73)	83	18-Dec-15 A	09-Mar-16 A	Tree Permit - 4.09 (73)																							
Procurement					Procurement - 4.09 (73)																							
CT80260	Internal Bid Package Review - 4.09 (73)	246	18-Dec-15 A	19-Aug-16 A	Internal Bid Package Review - 4.09 (73)																							
CT80370	GMOU submittal and approval - 4.09 (73)	39	12-Jul-16 A	19-Aug-16 A	GMOU submittal and approval - 4.09 (73)																							
CT37260	Design Documents Sent to Procurement - 4.09 (73)	503	13-Jan-17 A	02-Mar-18 A	Design Documents Sent to Procurement - 4.09 (73)																							
CT37270	Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	5	13-Jan-17 A	17-Jan-17 A	Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)																							
CT80530	Resolution of Easement Conflicts - 4.09 (73)	21	20-Feb-17 A	12-Mar-17 A	Resolution of Easement Conflicts - 4.09 (73)																							
CT80540	Design Documents Re-Sent to Procurement - 4.09 (73)	0	18-Apr-17 A	03-May-17 A	Design Documents Re-Sent to Procurement - 4.09 (73)																							
CT80550	Re-Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	16	18-Apr-17 A	03-May-17 A	Re-Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)																							
CT37280	Advertise Bid Package - 4.09 (73)	180	04-May-17 A	01-Nov-17 A	Advertise Bid Package - 4.09 (73)																							
CT37290	Bid Solicitation Period - 4.09 (73)	0	02-Nov-17 A	28-Nov-17 A	Bid Solicitation Period - 4.09 (73)																							
CT37300	Bids Due - 4.09 (73)	45	02-Nov-17 A	28-Nov-17 A	Bids Due - 4.09 (73)																							
CT37310	Bid Review Period - 4.09 (73)	0	29-Nov-17 A	03-Jan-18 A	Bid Review Period - 4.09 (73)																							
CT37320	Award Recommendation - 4.09 (73)	45	29-Nov-17 A	03-Jan-18 A	Award Recommendation - 4.09 (73)																							
CT14131	Procurement - 4.9 (73)	0	04-Jan-18 A	04-Jan-18 A	Procurement - 4.9 (73)																							
CT37330	Final Approvals - 4.09 (73)	30	04-Jan-18 A	17-Jan-18 A	Final Approvals - 4.09 (73)																							
Construction					Construction - 4.09 (73)																							
CT37340	Contractor Notice to Proceed (NTP) - 4.09 (73)	566	23-Jul-18 A	03-Jun-22 A	Contractor Notice to Proceed (NTP) - 4.09 (73)																							

Table with columns: Activity ID, Activity Name, Original Duration, Start, Finish, and quarterly Gantt charts for years 2018-2026. Rows include activities like Construction, Project Administration, Engineering Design, etc.

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Construction					31-Aug-22, Construction																			
CT33181	Contractor Notice to Proceed (NTP) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0	12-Oct-16 A	31-Aug-22	(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	12-Oct-16 A	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	31-Aug-22*	Project Closeout - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																			
Project Administration					31-Aug-22, Project Administration																			
CT35371	WASD Project Administration - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	1175	17-Dec-14 A	31-Aug-22	WASD Project Administration - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)																			
4.10 (3) Replace 16" FM Along NW 159th St. from NW 57th St. to NW 54th St.					04-Sep-18 A, 4.10 (3) Replace 16" FM Along NW 159th St. from NW 57th St. to NW 54th St.																			
Pre-Design																								
CT50000	Pre-Design - 4.10 (3)	114	07-Mar-16 A	29-Jun-16 A	Pre-Design - 4.10 (3)																			
Engineering Design																								
CT50010	Engineering Design - 4.10 (3)	132	11-May-16 A	20-Sep-16 A	Engineering Design - 4.10 (3)																			
Permitting																								
CT50260	FDOT Utility Permit - 4.10 (3)	42	10-Sep-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	DERM Sewer Permit - 4.10 (3)																			
CT50020	Permitting - 4.10 (3)	95	20-Sep-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	City Of Miami Gardens Public Works Permit - 4.10 (3)																			
Procurement																								
CT80070	Design Documents Sent to Procurement - 4.10 (3)	0	28-Nov-16 A	17-Jul-17 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	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	Submit/Approve SBD Goals and Request to Advertise - 4.10 (3)																			
CT80090	Advertise Bid Package - 4.10 (3)	0	24-Jan-17 A	27-Feb-17 A	Advertise Bid Package - 4.10 (3)																			
CT80100	Bid Solicitation Period - 4.10 (3)	35	24-Jan-17 A	27-Feb-17 A	Bid Solicitation Period - 4.10 (3)																			
CT80110	Bids Due - 4.10 (3)	0	28-Feb-17 A	21-Mar-17 A	Bids Due - 4.10 (3)																			
CT80120	Bid Review Period - 4.10 (3)	22	28-Feb-17 A	21-Mar-17 A	Bid Review Period - 4.10 (3)																			
CT80130	Award Recommendation - 4.10 (3)	0	21-Mar-17 A	17-Jul-17 A	Award Recommendation - 4.10 (3)																			
CT50030	Procurement - 4.10 (3)	232	28-Nov-16 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	Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.10 (3)																			
CT80500	P.O. Issued - 4.10 (3)	0	17-Jul-17 A	04-Sep-18 A	P.O. Issued - 4.10 (3)																			
Construction					04-Sep-18 A, Construction																			
CT80160	Phase I Construction (Emergency Project) - 4.10 (3)	60	06-Dec-16 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	14-Dec-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	Construction - 4.10 (3)																			
CT80170	Construction (Remaining Scope of Work) - 4.10 (3)	180	24-Jul-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	04-Sep-18 A	Substantial Completion - 4.10 (3)																			
CT50060	Project Closeout - 4.10 (3)	90	15-Dec-17 A	04-Sep-18 A	Project Closeout - 4.10 (3)																			
Project Administration					04-Sep-18 A, Project Administration																			
CT80800	WASD Project Administration - 4.10 (3)	709	11-May-16 A	04-Sep-18 A	WASD Project Administration - 4.10 (3)																			
4.10 (4) Opa-Locka Airport Concessions Project					17-Jul-18 A, 4.10 (4) Opa-Locka																			
Pre-Design					17-Jul-18 A, Pre-Design																			
CT80000	Pre-Design - 4.10 (4)	447	12-Oct-16 A	17-Jul-18 A	Pre-Design - 4.10 (4)																			
Engineering Design					08-Dec-20 A, Engineering Design																			
CT81170	30% Design Submittal - 4.10 (4)	150	17-Jul-18 A	27-Jun-19 A	30% Design Submittal - 4.10 (4)																			
CT81180	30% Design Review - 4.10 (4)	30	28-Jun-19 A	06-Nov-19 A	30% Design Review - 4.10 (4)																			
CT81190	75% Design Submittal - 4.10 (4)	167	07-Nov-19 A	17-Apr-20 A	75% Design Submittal - 4.10 (4)																			
CT81200	75% Design Review - 4.10 (4)	7	18-Apr-20 A	11-May-20 A	75% Design Review - 4.10 (4)																			
CT81210	100% Design Submittal - 4.10 (4)	173	12-May-20 A	21-Sep-20 A	100% Design Submittal - 4.10 (4)																			
CT80010	Engineering Design - 4.10 (4)	150	17-Jul-18 A	08-Dec-20 A	Engineering Design - 4.10 (4)																			
CT81220	100% Design Review/Permit Ready Submittal - 4.10 (4)	14	22-Sep-20 A	08-Dec-20 A	100% Design Review/Permit Ready Submittal - 4.10 (4)																			
Permitting					31-Jul-22, Permitting																			
CT80020	Permitting - 4.10 (4)	334	09-Dec-20 A	31-Jul-22	Permitting - 4.10 (4)																			
Procurement					27-May-23, Procurement																			
CT80030	Procurement - 4.10 (4)	270	31-Aug-22	27-May-23	Procurement - 4.10 (4)																			
Construction					25-Feb-25, Construction																			
CT81060	Notice to Proceed (NTP) - 4.10 (4)	0	28-May-23	27-Nov-24	Notice to Proceed (NTP) - 4.10 (4)																			
CT80040	Construction - 4.10 (4)	550	28-May-23	27-Nov-24	Construction - 4.10 (4)																			
CT81130	Commissioning - 4.10 (4)	30	29-Oct-24	27-Nov-24	Commissioning - 4.10 (4)																			
CT80050	Substantial Completion (Not Consent Decree) - 4.10 (4)	0	27-Nov-24	25-Feb-25	Substantial Completion (Not Consent Decree) - 4.10 (4)																			
CT80060	Project Closeout - 4.10 (4)	90	28-Nov-24	25-Feb-25	Project Closeout - 4.10 (4)																			
Project Administration					25-Feb-25, Project Administration																			
CT80810	WASD Project Administration - 4.10 (4)	1674	17-Jul-18 A	25-Feb-25	WASD Project Administration - 4.10 (4)																			
5. Sewer Pump Station System					19-Nov-22, 5. Sewer Pump Station System																			
5.01 Upgrade of PS#0418					18-Feb-22 A, 5.01 Upgrade of PS#0418																			
Engineering Design					06-Jun-14 A																			
PS51540	EPA Start Date for Engineering Design - Upgrade PS#0418	0	01-Nov-13 A	06-Jun-14 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	Engineering Design - Upgrade PS#0418																			
PS50820	EPA Compliance Date for Engineering Design - Upgrade PS#0418	0	06-Jun-14 A	13-Aug-15 A	EPA Compliance Date for Engineering Design - Upgrade PS#0418																			
Permitting					13-Aug-15 A																			
PS51550	EPA Start Date for Permitting - Upgrade PS#0418**	395	14-Jul-14 A	13-Aug-15 A	EPA Start Date for Permitting - Upgrade PS#0418**																			
PS50830	EPA Compliance Date for Permitting - Upgrade PS#0418**	0	14-Jul-14 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	Permitting - Upgrade PS#0418																			
Procurement					05-Jun-16 A																			
PS51560	EPA Start Date for Procurement - Upgrade PS#0418**	364	07-Jun-15 A	05-Jun-16 A	EPA Start Date for Procurement - Upgrade PS#0418**																			
PS32740	Design Documents Sent to Procurement	0	18-Sep-15 A	29-Oct-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	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0418																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
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																							
PS32990	Bid Review Period - Upgrade PS#0692	30	02-Apr-18 A	29-May-18 A	Bid Review Period - Upgrade PS#0692																							
PS72900	Bids Rejected - Upgrade PS#0692	0		29-May-18 A	Bids Rejected - Upgrade PS#0692																							
PS72920	Revise Bid Packages - Upgrade PS#0692	30	30-May-18 A	12-Aug-18 A	Revise Bid Packages - Upgrade PS#0692																							
PS72970	Design Documents Sent to Procurement - Upgrade PS#0692	0	13-Aug-18 A		Design Documents Sent to Procurement - Upgrade PS#0692																							
PS72930	Re-Advertise Bid Package (Bid #2) - Upgrade PS#0692	0	16-Aug-18 A		Re-Advertise Bid Package (Bid #2) - Upgrade PS#0692																							
PS72940	Bid Solicitation Period for Revised Package (Bid #2) - Upgrade PS#0692	30	16-Aug-18 A	03-Oct-18 A	Bid Solicitation Period for Revised Package (Bid #2) - Upgrade PS#0692																							
PS72950	Bids Due for Revised Package (Bid #2) - Upgrade PS#0692	0	04-Oct-18 A		Bids Due for Revised Package (Bid #2) - Upgrade PS#0692																							
PS72980	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692	60	17-Jul-18 A	30-Oct-18 A	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692																							
PS72960	Bid Review Period for Revised Package (Bid #2) - Upgrade PS#0692	31	04-Oct-18 A	13-Nov-18 A	Bid Review Period for Revised Package (Bid #2) - Upgrade PS#0692																							
PS33000	Award Recommendation - Upgrade PS#0692	0		13-Nov-18 A	Award Recommendation - Upgrade PS#0692																							
PS10470	Procurement - Upgrade PS#0692	175	04-Aug-17 A	23-Jan-19 A	Procurement - Upgrade PS#0692																							
PS33010	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0692	60	14-Nov-18 A	23-Jan-19 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0692																							
PS41070	Pre-Purchase Pumps & Valves - PS#0692	360	23-Mar-17 A	31-May-19 A	Pre-Purchase Pumps & Valves - PS#0692																							
PS41110	Fabricate & Deliver Pumps & Valves - PS#0692	331	21-Apr-17 A	31-May-19 A	Fabricate & Deliver Pumps & Valves - PS#0692																							
Construction		1214	06-Oct-17 A	31-Aug-22	31-Aug-22, Construction																							
PS51650	EPA Start Date for Construction - Upgrade PS#0692	0	06-Oct-17 A		Start Date for Construction - Upgrade PS#0692																							
PS33020	Contractor Notice to Proceed (NTP) - Upgrade PS#0692	0	28-Jan-19 A		Contractor Notice to Proceed (NTP) - Upgrade PS#0692																							
PS50930	EPA Compliance Date for Construction - Upgrade PS#0692	0		17-Jun-20 A	EPA Compliance Date for Construction - Upgrade PS#0692																							
PS10670	Construction - Upgrade PS#0692	365	28-Jan-19 A	17-Nov-20 A	Construction - Upgrade PS#0692																							
PS723000	Commissioning - Upgrade PS#0692	30	28-Sep-20 A	17-Nov-20 A	Commissioning - Upgrade PS#0692																							
PS10860	Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692	0		17-Nov-20 A	Substantial Completion (CD Compliance Date 6/17/20) - Upgrade PS#0692																							
PS40790	Project Closeout - Upgrade PS#0692	60	17-Nov-20 A	31-Aug-22*	Project Closeout - Upgrade PS#0692																							
Project Administration		1647	26-Nov-14 A	31-Aug-22	31-Aug-22, Project Administration																							
PS35340	WASD Project Administration - Upgrade PS#0692	1647	26-Nov-14 A	31-Aug-22	WASD Project Administration - Upgrade PS#0692																							
5.04 Replacement of Switchgear PS#0414 and Generator Replacement		2824	07-Oct-14 A	30-Sep-22	30-Sep-22, 5.04 Replacement of Switchgear PS#0414 and Generator Replacement																							
Engineering Design		540	07-Oct-14 A	30-Mar-16 A																								
PS51660	EPA Start Date for Engineering Design - PS#0414**	0	07-Oct-14 A		EPA Start Date for Engineering Design - PS#0414**																							
PS50940	EPA Compliance Date for Engineering Design - PS#0414**	0		13-May-15 A	EPA Compliance Date for Engineering Design - PS#0414**																							
PS10100	Engineering Design - PS#0414	416	09-Feb-15 A	30-Mar-16 A	Engineering Design - PS#0414																							
Permitting		793	14-May-15 A	15-Jul-17 A	A, Permitting																							
PS51670	EPA Start Date for Permitting - PS#0414**	0	14-May-15 A		EPA Start Date for Permitting - PS#0414**																							
PS10250	Permitting - PS#0414	387	25-May-16 A	15-Jun-17 A	Permitting - PS#0414																							
PS50950	EPA Compliance Date for Permitting - PS#0414	0		15-Jul-17 A	EPA Compliance Date for Permitting - PS#0414																							
Procurement		836	08-Jun-15 A	20-Sep-17 A	17-A, Procurement																							
PS51680	EPA Start Date for Procurement - PS#0414**	0	08-Jun-15 A		EPA Start Date for Procurement - PS#0414**																							
PS50960	EPA Compliance Date for Procurement - PS#0414**	0		15-Aug-17 A	EPA Compliance Date for Procurement - PS#0414**																							
PS10420	Procurement - PS#0414	310	15-Nov-16 A	20-Sep-17 A	Procurement - PS#0414																							
Construction		683	16-Aug-17 A	15-Jun-19 A	15-Jun-19 A, Construction																							
PS51690	EPA Start Date for Construction - PS#0414**	0	16-Aug-17 A		EPA Start Date for Construction - PS#0414**																							
PS10610	Construction - PS#0414	301	21-Sep-17 A	11-Jun-19 A	Construction - PS#0414																							
PS50970	EPA Compliance Date for Construction - PS#0414	0		15-Jun-19 A	EPA Compliance Date for Construction - PS#0414																							
Project Administration		1316	09-Feb-15 A	30-Sep-22	30-Sep-22, Project Administration																							
PS35330	WASD Project Administration - PS#0414	1316	09-Feb-15 A	30-Sep-22	WASD Project Administration - PS#0414																							
5.04 (1) Replacement of Switchgear PS#0414		1787	17-Oct-14 A	30-Sep-22	30-Sep-22, 5.04 (1) Replacement of Switchgear PS#0414																							
Pre-Design		112	17-Oct-14 A	06-Feb-15 A																								
PS20240	Pre-Design - PS#0414	113	17-Oct-14 A	06-Feb-15 A	Pre-Design - PS#0414																							
Engineering Design		415	09-Feb-15 A	30-Mar-16 A																								
PS20001	Basis of Design Report (BODR) - PS#0414	114	09-Feb-15 A	02-Jun-15 A	Basis of Design Report (BODR) - PS#0414																							
PS20011	BODR Review Period - PS#0414	34	03-Jun-15 A	06-Jul-15 A	BODR Review Period - PS#0414																							
PS31250	Negotiate Scope & Fee of Remaining Design - PS#0414	153	08-Jul-15 A	07-Dec-15 A	Negotiate Scope & Fee of Remaining Design - PS#0414																							
PS20021	30% Design Submittal - PS#0414	74	29-Sep-15 A	11-Dec-15 A	30% Design Submittal - PS#0414																							
PS20031	30% Design Review - PS#0414	12	12-Dec-15 A	23-Dec-15 A	30% Design Review - PS#0414																							
PS20041	60% Design Submittal - PS#0414	47	24-Dec-15 A	08-Feb-16 A	60% Design Submittal - PS#0414																							
PS20051	60% Design Review - PS#0414	22	08-Feb-16 A	29-Feb-16 A	60% Design Review - PS#0414																							
PS723120	Engineering Design - PS#0414	0	09-Feb-15 A	30-Mar-16 A	Engineering Design - PS#0414																							
PS20061	100% Design Submittal - PS#0414	45	15-Feb-16 A	30-Mar-16 A	100% Design Submittal - PS#0414																							
Permitting		386	25-May-16 A	15-Jun-17 A	Permitting																							
PS50370	DERM Permit Submittal - PS#0414	0	25-May-16 A		DERM Permit Submittal - PS#0414																							
PS723130	Permitting - PS#0414	0	25-May-16 A	25-May-16 A	Permitting - PS#0414																							
PS50390	DERM Permit Submittal Review - PS#0414	16	25-May-16 A	09-Jun-16 A	DERM Permit Submittal Review - PS#0414																							
PS50430	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0414	14	10-Jun-16 A	23-Jun-16 A	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0414																							
PS50380	Municipality Bldg. Dept. Submittal - PS#0414	0	30-Sep-16 A		Municipality Bldg. Dept. Submittal - PS#0414																							
PS50410	Municipality Bldg. Dept. Submittal Review - PS#0414	31	30-Sep-16 A	30-Oct-16 A	Municipality Bldg. Dept. Submittal Review - PS#0414																							
PS50450	DERM Permit Approval - PS#0414	166	30-Jun-16 A	12-Dec-16 A	DERM Permit Approval - PS#0414																							
PS50440	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0414	140	30-Nov-16 A	18-Apr-17 A	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0414																							
PS50460	Municipality Bldg. Dept. Submittal Approval - PS#0414	58	19-Apr-17 A	15-Jun-17 A	Municipality Bldg. Dept. Submittal Approval - PS#0414																							
Procurement		310	15-Nov-16 A	20-Sep-17 A	17-A, Procurement																							
PS32290	Design Documents Sent to Procurement - PS#0414	0	15-Nov-16 A		Design Documents Sent to Procurement - PS#0414																							
PS723140	Procurement - PS#0414	0	15-Nov-16 A	15-Nov-16 A	Procurement - PS#0414																							
PS32300	Submit/Approve SBD Goals and Request to Advertise - PS#0414	127	15-Nov-16 A	21-Mar-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0414																							

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Construction					14-Feb-22 A, Construction																							
PS32460	Contractor Notice to Proceed (NTP) - PS#0415	0	11-Oct-17 A	14-Feb-22 A	Contractor Notice to Proceed (NTP) - PS#0415																							
PS51730	EPA Start Date for Construction - PS#0415	0	16-Oct-17 A		Start Date for Construction - PS#0415																							
PS723780	FPL Connection - PS#0415	0		24-Jun-19 A	FPL Connection - PS#0415																							
PS51010	EPA Compliance Date for Construction - PS#0415	0		02-Sep-19 A	EPA Compliance Date for Construction - PS#0415																							
PS10640	Construction - PS#0415	421	11-Oct-17 A	13-Nov-19 A	Construction - PS#0415																							
PS723020	Commissioning - PS#0415	30	12-Jul-19 A	13-Nov-19 A	Commissioning - PS#0415																							
PS10870	Construction Completion (CD Compliance Date 9/02/19) - PS#0415	0		13-Nov-19 A	Construction Completion (CD Compliance Date 9/02/19) - PS#0415																							
PS40000	Project Closeout - PS#0415	30	14-Nov-19 A	14-Feb-22 A	Project Closeout - PS#0415																							
Project Administration					14-Feb-22 A, Project Administration																							
PS35320	WASD Project Administration - PS#0415	1456	09-Feb-15 A	14-Feb-22 A	WASD Project Administration - PS#0415																							
5.06 Replacement of Switchgear PS#0416					12-Oct-21 A, 5.06 Replacement of Switchgear PS#0416																							
Pre-Design																												
PS20260	Pre-Design - PS#0416	110	18-Oct-14 A	05-Feb-15 A																								
Engineering Design																												
PS51740	EPA Start Date for Engineering Design - PS#0416**	0	07-Oct-14 A																									
PS51020	EPA Compliance Date for Engineering Design - PS#0416**	0		13-May-15 A																								
PS30600	Basis of Design Report (BODR) - PS#0416	117	06-Feb-15 A	02-Jun-15 A																								
PS30610	BODR Review Period - PS#0416	34	03-Jun-15 A	06-Jul-15 A																								
PS31270	Negotiate Scope & Fee of Remaining Design - PS#0416	153	08-Jul-15 A	07-Dec-15 A																								
PS30620	30% Design Submittal - PS#0416	77	29-Sep-15 A	14-Dec-15 A																								
PS30630	30% Design Review - PS#0416	10	15-Dec-15 A	24-Dec-15 A																								
PS30640	60% Design Submittal - PS#0416	46	25-Dec-15 A	08-Feb-16 A																								
PS30650	60% Design Review - PS#0416	21	09-Feb-16 A	29-Feb-16 A																								
PS10080	Engineering Design - PS#0416	474	06-Feb-15 A	24-May-16 A																								
PS30660	100% Design Submittal - PS#0416	99	16-Feb-16 A	24-May-16 A																								
Permitting																												
PS51750	EPA Start Date for Permitting - PS#0416**	0	14-May-15 A																									
PS50130	DERM Permit Submittal - PS#0416	0	25-May-16 A																									
PS50150	Dem Permit Submittal Review - PS#0416	23	25-May-16 A	16-Jun-16 A																								
PS50190	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0416	77	17-Jun-16 A	01-Sep-16 A																								
PS50120	Bldg. Dept. Permit Submittal - PS#0416	0	29-Sep-16 A																									
PS50160	Bldg. Dept. Permit Submittal Review - PS#0416	55	29-Sep-16 A	22-Nov-16 A																								
PS50210	DERM Permit Approval - PS#0416	104	02-Sep-16 A	14-Dec-16 A																								
PS50180	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416	144	23-Nov-16 A	15-Apr-17 A																								
PS10230	Permitting - PS#0416	351	24-May-16 A	09-May-17 A																								
PS50230	Bldg. Dept. Permit Approval - PS#0416	24	16-Apr-17 A	09-May-17 A																								
PS51030	EPA Compliance Date for Permitting - PS#0416	0		31-May-17 A																								
Procurement																												
PS51760	EPA Start Date for Procurement - PS#0416**	0	08-Jun-15 A																									
PS32470	Design Documents Sent to Procurement - PS#0416	0	15-Nov-16 A																									
PS32480	Submit/Approve SBD Goals and Request to Advertise - PS#0416	127	15-Nov-16 A	21-Mar-17 A																								
PS32490	Advertise Bid Package - PS#0416	0	22-Mar-17 A																									
PS32500	Bid Solicitation Period - PS#0416	36	22-Mar-17 A	26-Apr-17 A																								
PS32510	Bids Due - PS#0416	0	27-Apr-17 A																									
PS32520	Bid Review Period - PS#0416	41	27-Apr-17 A	06-Jun-17 A																								
PS32530	Award Recommendation - PS#0416	0		06-Jun-17 A																								
PS10400	Procurement - PS#0416	246	15-Nov-16 A	18-Jul-17 A																								
PS32540	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0416	42	07-Jun-17 A	18-Jul-17 A																								
PS51040	EPA Compliance Date for Procurement - PS#0416	0		15-Aug-17 A																								
Construction					12-Oct-21 A, Construction																							
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		Start Date for Construction - PS#0416																							
PS723800	FPL Connection - PS#0416	0		13-Mar-19 A	FPL Connection - PS#0416																							
PS10590	Construction - PS#0416	300	20-Jul-17 A	11-Jun-19 A	Construction - PS#0416																							
PS723030	Commissioning - PS#0416	59	18-Mar-19 A	11-Jun-19 A	Commissioning - PS#0416																							
PS10780	Substantial Completion (CD Compliance Date 6/13/19) - PS#0416	0		11-Jun-19 A	Substantial Completion (CD Compliance Date 6/13/19) - PS#0416																							
PS51050	EPA Compliance Date for Construction - PS#0416	0		13-Jun-19 A	EPA Compliance Date for Construction - PS#0416																							
PS40810	Project Closeout - PS#0416	63	12-Jun-19 A	12-Oct-21 A	Project Closeout - PS#0416																							
Project Administration					12-Oct-21 A, Project Administration																							
PS35310	WASD Project Administration - PS#0416	1255	06-Feb-15 A	12-Oct-21 A	WASD Project Administration - PS#0416																							
5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#0417					19-Jan-22 A, 5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#0417																							
Pre-Design																												
PS20270	Pre-Design - PS#0417	128	30-Sep-14 A	05-Feb-15 A																								
Engineering Design																												
PS51780	EPA Start Date for Engineering Design - PS#0417**	0	07-Oct-14 A																									
PS30670	Basis of Design Report (BODR) - PS#0417	130	06-Feb-15 A	15-Jun-15 A																								
PS30680	BODR Review Period - PS#0417	120	16-Jun-15 A	13-Oct-15 A																								
PS31280	Negotiate Scope & Fee of Remaining Design - PS#0417	147	23-Jul-15 A	16-Dec-15 A																								
PS30690	30% Design Submittal - PS#0417	76	14-Oct-15 A	28-Dec-15 A																								
PS30700	30% Design Review - PS#0417	15	29-Dec-15 A	12-Jan-16 A																								
PS30710	60% Design Submittal - PS#0417	46	13-Jan-16 A	27-Feb-16 A																								
PS30720	60% Design Review - PS#0417	13	28-Feb-16 A	11-Mar-16 A																								
PS51060	EPA Compliance Date for Engineering Design - PS#0417**	0		16-Apr-16 A																								

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PS35290	WASD Project Administration - PS#0107	955	08-Jun-15 A	24-Aug-18 A	WASD Project Administration - PS#0107																			
5.09 Replacement of Pumping and Electrical Equipment at PS#0301 (w/ Updated EPA Dates)					19-Nov-22, 5:09 Replacement of Pumping and Electrical Equipment at PS#0301 (w/ U																			
Pre-Design					01-Jun-18 A, Pre-Design																			
PS20280	Pre-Design - PS#0301	74	08-Sep-14 A	20-Nov-14 A																				
PS72770	TA Revision for New PS - PS#0301 Construction	0	22-Dec-17 A	01-Jun-18 A	TA Revision for New PS - PS#0301 Construction																			
Engineering Design					04-Feb-19 A, Engineering Design																			
PS51860	EPA Start Date for Engineering Design - PS#0301**	0	07-Oct-14 A																					
PS30810	Basis of Design Report (BODR) - PS#0301	151	24-Nov-14 A	23-Apr-15 A																				
PS30820	BODR Review Period - PS#0301	39	24-Apr-15 A	01-Jun-15 A																				
PS31290	Negotiate Scope & Fee of Remaining Design (HDR) - PS#0301	67	17-May-15 A	22-Jul-15 A																				
PS30830	30% Design Submittal - PS#0301	92	23-Jul-15 A	22-Oct-15 A																				
PS30840	30% Design Review - PS#0301	8	23-Oct-15 A	30-Oct-15 A																				
PS30850	60% Design Submittal - PS#0301	70	31-Oct-15 A	08-Jan-16 A																				
PS30860	60% Design Review - PS#0301	17	09-Jan-16 A	25-Jan-16 A																				
PS10070	Engineering Design - PS#0301	548	24-Nov-14 A	24-May-16 A	Engineering Design - PS#0301																			
PS30870	100% Design Submittal - PS#0301	120	26-Jan-16 A	24-May-16 A																				
PS51260	EPA Compliance Date for Engineering Design - PS#0301	0		31-Oct-17 A	EPA Compliance Date for Engineering Design - PS#0301																			
PS72630	Project on Hold - PS#0301 Construction	96	28-Jul-17 A	22-Dec-17 A	Project on Hold - PS#0301 Construction																			
PS72610	100% Revised Design/Permit Ready Submittal - PS#0301 Construction	62	20-Mar-18 A	18-Dec-18 A	100% Revised Design/Permit Ready Submittal - PS#0301 Construction																			
PS72890	Final Bid Set Submittal - PS#0301 Construction	30	25-Jan-19 A	04-Feb-19 A	Final Bid Set Submittal - PS#0301 Construction																			
Permitting					01-Oct-19 A, Permitting																			
PS41620	DERM Permit - PS#0301	64	23-May-16 A	04-Nov-16 A																				
PS41660	Municipality Bldg. Dept. Permit Approval - PS#0301	8	29-Sep-16 A	07-Dec-16 A	Permit Approval - PS#0301																			
PS51870	EPA Start Date for Permitting - PS#0301 Construction	0		01-Nov-17 A	EPA Start Date for Permitting - PS#0301 Construction																			
PS51270	EPA Compliance Date for Permitting - PS#0301 Construction	0		29-Apr-18 A	EPA Compliance Date for Permitting - PS#0301 Construction																			
PS72780	Site Plan Approval for Revised Drawings - PS#0301 Construction	60	04-Jun-18 A	21-Jun-18 A	Site Plan Approval for Revised Drawings - PS#0301 Construction																			
PS723770	Tree Permit - PS#0301 Construction	30	07-Nov-18 A	05-Mar-19 A	Tree Permit - PS#0301 Construction																			
PS72620	DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction	60	10-Aug-18 A	09-Mar-19 A	DERM/RER Permit Approval for Revised Drawings - PS#0301 Construction																			
PS723760	Wetland Delineation Permit - PS#0301 Construction	30	07-Nov-18 A	09-Mar-19 A	Wetland Delineation Permit - PS#0301 Construction																			
PS72800	City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction	60	28-Feb-19 A	30-Apr-19 A	City of Sunny Isle Bldg Permit Approval for Revised Drawings - PS#0301 Construction																			
PS10220	Permitting for Revised Drawings - PS#0301 Construction	117	10-Aug-18 A	01-Oct-19 A	Permitting for Revised Drawings - PS#0301 Construction																			
PS72790	MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction	22	24-Jun-19 A	01-Oct-19 A	MCD Fire/DERM Env. Permit for Revised Drawings - PS#0301 Construction																			
Procurement					08-Dec-19 A, Procurement																			
PS32650	Design Documents Sent to Procurement - PS#0301	0	08-Dec-16 A		Design Documents Sent to Procurement - PS#0301																			
PS32660	Submit/Approve SBD Goals and Request to Advertise - PS#0301	105	08-Dec-16 A	22-Mar-17 A	Submit/Approve SBD Goals and Request to Advertise - PS#0301																			
PS32670	Advertise Bid Package - PS#0301	0	23-Mar-17 A		Advertise Bid Package - PS#0301																			
PS32680	Bid Solicitation Period - PS#0301	35	23-Mar-17 A	26-Apr-17 A	Bid Solicitation Period - PS#0301																			
PS32690	Bids Due - PS#0301	0	27-Apr-17 A		Bids Due - PS#0301																			
PS32700	Bid Review Period - PS#0301	93	27-Apr-17 A	28-Jul-17 A	Bid Review Period - PS#0301																			
PS32710	Scope Change Letter sent to EPA - PS#0301	0		28-Jul-17 A	Scope Change Letter sent to EPA - PS#0301																			
PS51880	EPA Start Date for Procurement - PS#0301 Construction	0	30-Apr-18 A		EPA Start Date for Procurement - PS#0301 Construction																			
PS51280	EPA Compliance Date for Procurement - PS#0301 Construction	0		26-Oct-18 A	EPA Compliance Date for Procurement - PS#0301 Construction																			
PS72830	Submit/Approve SBD Goals and Request to Advertise - PS#0301 Construction	38	12-Jan-19 A	21-Feb-19 A	Submit/Approve SBD Goals and Request to Advertise - PS#0301 Construction																			
PS72820	Design Documents Sent to Procurement - PS#0301 Construction	0	28-Mar-19 A		Design Documents Sent to Procurement - PS#0301 Construction																			
PS32720	Advertise Bid Package - PS#0301 Construction	0	04-Apr-19 A		Advertise Bid Package - PS#0301 Construction																			
PS72840	Bid Solicitation Period - PS#0301 Construction	45	04-Apr-19 A	11-Jul-19 A	Bid Solicitation Period - PS#0301 Construction																			
PS72850	Bids Due - PS#0301 Construction	0	12-Jul-19 A		Bids Due - PS#0301 Construction																			
PS72860	Bid Review Period - PS#0301 Construction	29	12-Jul-19 A	13-Aug-19 A	Bid Review Period - PS#0301 Construction																			
PS72870	Award Recommendation - PS#0301 Construction	0		13-Aug-19 A	Award Recommendation - PS#0301 Construction																			
PS72600	Procurement of Revised Scope - PS#0301 Construction	194	28-Mar-19 A	08-Dec-19 A	Procurement of Revised Scope - PS#0301 Construction																			
PS72880	Final Approval - PS#0301 Construction	60	14-Aug-19 A	08-Dec-19 A	Final Approval - PS#0301 Construction																			
Construction					19-Nov-22, Construction																			
PS51890	EPA Start Date for Construction - PS#0301 Construction	0	27-Oct-18 A		EPA Start Date for Construction - PS#0301 Construction																			
PS32730	Contractor Notice to Proceed (NTP) - PS#0301 Construction	0	09-Dec-19 A		Contractor Notice to Proceed (NTP) - PS#0301 Construction																			
PS51290	EPA Compliance Date for Construction - PS#0301 Construction	0		24-Jan-22 A	EPA Compliance Date for Construction - PS#0301 Construction																			
PS72590	Construction of New PS - PS#0301 Construction	601	09-Dec-19 A	25-Jan-22 A	Construction of New PS - PS#0301 Construction																			
PS723050	Commissioning - PS#0301 Construction	60	26-Oct-21 A	25-Jan-22 A	Commissioning - PS#0301 Construction																			
PS10790	Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction	0		25-Jan-22 A	Substantial Completion of New PS (CD Compliance Date 1/24/22) - PS#0301 Construction																			
PS723820	Demolition of Existing PS & Construction of New Generator Tank (Non-CD) - PS#0301 Construction	124	26-Jan-22 A	30-Sep-22	Demolition of Existing PS & Construction of New Generator Tank (Non-CD) - PS#0301 Construction																			
PS40840	Project Closeout - PS#0301	50	01-Oct-22	19-Nov-22*	Project Closeout - PS#0301																			
Project Administration					19-Nov-22, Project Administration																			
PS35280	WASD Project Administration - PS#0301 Construction	2223	24-Nov-14 A	19-Nov-22	WASD Project Administration - PS#0301 Construction																			
5.10 Upgrade of PS#0488					09-May-18 A, 5.10 Upgrade of PS#0488																			
Pre-Design					01-Nov-14 A, 02-Apr-15 A																			
PS30980	Pre-Design - Upgrade PS#0488	153	01-Nov-14 A	02-Apr-15 A																				
Engineering Design					07-Oct-14 A, 01-Aug-15 A																			
PS51900	EPA Start Date for Engineering Design - Upgrade PS#0488**	0	07-Oct-14 A		EPA Start Date for Engineering Design - Upgrade PS#0488**																			
PS51250	EPA Compliance Date for Engineering Design - Upgrade PS#0488**	0		13-May-15 A	EPA Compliance Date for Engineering Design - Upgrade PS#0488**																			
PS31320	30% Design Submittal - Upgrade PS#0488	67	03-Apr-15 A	08-Jun-15 A	30% Design Submittal - Upgrade PS#0488																			
PS31330	30% Design Review - Upgrade PS#0488	14	09-Jun-15 A	22-Jun-15 A	30% Design Review - Upgrade PS#0488																			
PS30950	60% Design Submittal - Upgrade PS#0488	24	23-Jun-15 A	16-Jul-15 A	60% Design Submittal - Upgrade PS#0488																			
PS30960	60% Design Review - Upgrade PS#0488	7	17-Jul-15 A	23-Jul-15 A	60% Design Review - Upgrade PS#0488																			
PS30970	100% Design Submittal - Upgrade PS#0488	9	24-Jul-15 A	01-Aug-15 A	100% Design Submittal - Upgrade PS#0488																			
PS10090	Engineering Design - Upgrade PS#0488	120	03-Apr-15 A	01-Aug-15 A	Engineering Design - Upgrade PS#0488																			

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																						
					2018	2019	2020	2021	2022	2023	2024	2025	2026														
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
Permitting					401	14-May-15 A	18-Jun-16 A																				
PS51910	EPA Start Date for Permitting - Upgrade PS#0488**	0	14-May-15 A																								
PS10240	Permitting - Upgrade PS#0488	93	17-Aug-15 A	17-Nov-15 A																							
PS51240	EPA Compliance Date for Permitting - Upgrade PS#0488	0		18-Jun-16 A																							
Procurement					646	08-Jun-15 A	15-Mar-17 A																				
PS51920	EPA Start Date for Procurement - Upgrade PS#0488**	0	08-Jun-15 A																								
PS32200	Design Documents Sent to Procurement - Upgrade PS#0488	0	18-Nov-15 A																								
PS32210	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0488	61	18-Nov-15 A	17-Jan-16 A																							
PS32220	Advertise Bid Package - Upgrade PS#0488	0	18-Jan-16 A																								
PS32230	Bid Solicitation Period - Upgrade PS#0488	31	18-Jan-16 A	17-Feb-16 A																							
PS32240	Bids Due - Upgrade PS#0488	0	18-Feb-16 A																								
PS32250	Bid Review Period - Upgrade PS#0488	15	18-Feb-16 A	03-Mar-16 A																							
PS32260	Award Recommendation - Upgrade PS#0488	0		03-Mar-16 A																							
PS10410	Procurement - Upgrade PS#0488	153	18-Nov-15 A	18-Apr-16 A																							
PS32270	Final Approvals - Upgrade PS#0488	46	04-Mar-16 A	18-Apr-16 A																							
PS41690	P.O. Issued - Upgrade PS#0488	0		18-Apr-16 A																							
PS51230	EPA Compliance Date for Procurement - Upgrade PS#0488	0		15-Mar-17 A																							
Construction					758	03-May-16 A	09-May-18 A																				
PS10595	Contractor Notice to Proceed (NTP) - Upgrade PS#0488	0	03-May-16 A																								
PS10600	Construction - Upgrade PS#0488	220	03-May-16 A	08-Dec-16 A																							
PS10800	Substantial Completion (CD Compliance Date 5/09/18) - Upgrade PS#0488	0		08-Dec-16 A																							
PS51930	EPA Start Date for Construction - Upgrade PS#0488	0	16-Mar-17 A																								
PS40850	Project Closeout - Upgrade PS#0488	305	09-Dec-16 A	26-Aug-17 A																							
PS51220	EPA Compliance Date for Construction - Upgrade PS#0488	0		09-May-18 A																							
Project Administration					921	03-Apr-15 A	26-Aug-17 A																				
PS35270	WASD Project Administration - Upgrade PS#0488	921	03-Apr-15 A	26-Aug-17 A																							
5.11 Installation of 48 inch FM from Kendall Dr. to the Suction Side of PS#0536					1718	07-Oct-14 A	10-Feb-21 A																				
Pre-Design					136	31-Jul-15 A	14-Dec-15 A																				
PS20160	Negotiate Balance of Design Scope & Fee (HDR) - Install 60" FM from Kendal Dr. to PS#0536	137	31-Jul-15 A	14-Dec-15 A																							
Engineering Design					647	07-Oct-14 A	15-Jul-16 A																				
PS51940	EPA Start Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0	07-Oct-14 A																								
PS51210	EPA Compliance Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0		13-May-15 A																							
PS20170	Basis of Design Report (BODR) - Install 60" FM from Kendal Dr. to PS#0536	220	17-Dec-14 A	24-Jul-15 A																							
PS20210	60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	133	16-Dec-15 A	26-Apr-16 A																							
PS31340	60% Design Review - Install 60" FM from Kendal Dr. to PS#0536	7	27-Apr-16 A	03-May-16 A																							
PS10060	Engineering Design - Install 60" FM from Kendal Dr. to PS#0536	524	17-Dec-14 A	23-May-16 A																							
PS20230	90% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	73	04-May-16 A	15-Jul-16 A																							
Permitting					687	14-May-15 A	31-Mar-17 A																				
PS51950	EPA Start Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536**	0	14-May-15 A																								
PS10210	Permitting - Install 60" FM from Kendal Dr. to PS#0536	178	31-Aug-16 A	24-Feb-17 A																							
PS51200	EPA Compliance Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536	0		31-Mar-17 A																							
Procurement					816	08-Jun-15 A	31-Aug-17 A																				
PS51960	EPA Start Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536**	0	08-Jun-15 A																								
PS72030	GMOU Submittal and Approval - Install 60" FM from Kendal Dr. to PS#0536	23	29-Nov-16 A	21-Dec-16 A																							
PS72040	Internal Bid Package Review - Install 60" FM from Kendal Dr. to PS#0536	4	03-Apr-17 A	06-Apr-17 A																							
PS33120	Design Documents Sent to Procurement - Install 60" FM from Kendal Dr. to PS#0536	0	07-Apr-17 A																								
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																							
PS33140	Advertise Bid Package - Install 60" FM from Kendal Dr. to PS#0536	0	24-Apr-17 A																								
PS33150	Bid Solicitation Period - Install 60" FM from Kendal Dr. to PS#0536	52	24-Apr-17 A	14-Jun-17 A																							
PS33160	Bids Due - Install 60" FM from Kendal Dr. to PS#0536	0	15-Jun-17 A																								
PS33170	Bid Review Period - Install 60" FM from Kendal Dr. to PS#0536	37	15-Jun-17 A	21-Jul-17 A																							
PS33180	Award Recommendation - Install 60" FM from Kendal Dr. to PS#0536	0		21-Jul-17 A																							
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																							
PS10380	Procurement - Install 60" FM from Kendal Dr. to PS#0536	188	24-Feb-17 A	30-Aug-17 A																							
PS51190	EPA Compliance Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536	0		31-Aug-17 A																							
Construction					884	18-Jan-17 A	10-Feb-21 A																				
PS51970	EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536**	0	18-Jan-17 A																								
PS33200	Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536	0	30-Aug-17 A																								
PS10570	Construction - Install 60" FM from Kendal Dr. to PS#0536	261	30-Aug-17 A	13-Feb-19 A																							
PS723060	Commissioning - Install 60" FM from Kendal Dr. to PS#0536	30	24-Jan-19 A	13-Feb-19 A																							
PS10810	Substantial Completion (CD Compliance Date 5/18/19) - Install 60" FM from Kendal Dr. to PS#0536	0		13-Feb-19 A																							
PS51180	EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to PS#0536	0		18-May-19 A																							
PS40860	Project Closeout - Install 60" FM from Kendal Dr. to PS#0536	90	14-Feb-19 A	10-Feb-21 A																							
Project Administration					1338	17-Dec-14 A	10-Feb-21 A																				
PS35260	WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536	1338	17-Dec-14 A	10-Feb-21 A																							
5.12 Replacement of Switchgear at PS#0187					1759	07-Oct-14 A	30-Sep-22																				
Pre-Design					118	29-Oct-14 A	24-Feb-15 A																				
PS20480	Pre-Design - Replace S/G at PS#0187	119	29-Oct-14 A	24-Feb-15 A																							
Engineering Design					414	07-Oct-14 A	25-Nov-15 A																				
PS51980	EPA Start Date for Engineering Design - Replace S/G at PS#0187**	0	07-Oct-14 A																								
PS30880	Preliminary Engineering Report (PER) - Replace S/G at PS#0187	42	24-Feb-15 A	07-Apr-15 A																							
PS30890	PER Review Period - Replace S/G at PS#0187	27	08-Apr-15 A	04-May-15 A																							
PS51170	EPA Compliance Date for Engineering Design - Replace S/G at PS#0187**	0		13-May-15 A																							
PS32190	Negotiate Balance of Design - Replace S/G at PS#0187	57	05-May-15 A	30-Jun-15 A																							

Activity ID	Activity Name	Original Duration	Start	Finish	Quarterly Schedule (2018-2026)																																	
					2018				2019				2020				2021				2022				2023				2024				2025				2026	
					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
Permitting	Permitting - PS#0374 Upgrade	1118	12-Dec-10 A	03-Jan-14 A																																		
Procurement	Procurement - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A																																		
Construction	Construction - PS#0374 Upgrade - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	In-House																																	
Substantial Completion	(CD Compliance Date 12/31/15) - PS#0374 Upgrade	0		03-Jan-14 A																																		
Project Administration	WASD Project Administration - PS#0374 Upgrade - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	In-House																																	
5.15 (4.1) Pump Station No. 0374 FM Installation																																						
Engineering Design	Engineering Design - PS#0374 FM Installation	1118	12-Dec-10 A	03-Jan-14 A																																		
Permitting	Permitting - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A																																		
Procurement	Procurement - PS#0374 FM Installation	1118	12-Dec-10 A	03-Jan-14 A																																		
Construction	Construction - PS#0374 FM Installation - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	In-House																																	
Substantial Completion	(CD Compliance Date 12/31/15) - PS#0374 FM Installation	0		03-Jan-14 A																																		
Project Administration	WASD Project Administration - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	Installation																																	
5.15 (5) Pump Station 0607 Compliance Project																																						
Engineering Design	Engineering Design - PS#0607 Compliance Project	367	01-Jan-13 A	03-Jan-14 A																																		
Permitting	Permitting - PS#0607 Compliance Project	152	06-Jan-14 A	06-Jun-14 A																																		
Procurement	Procurement - PS#0607 Compliance Project	210	30-Jun-14 A	26-Jan-15 A																																		
Construction	Construction - PS#0607 Compliance Project	270	27-Jan-15 A	23-Oct-15 A																																		
Substantial Completion	(CD Compliance Date 12/31/15) - PS#0607 Compliance Project	0		23-Oct-15 A																																		
Project Administration	WASD Project Administration - PS#0607 Compliance Project	1026	01-Jan-13 A	23-Oct-15 A	Compliance Project																																	
5.16 Upgrade of PS#0198, 0437, 0466, 0680																																						
Engineering Design	EPA Start Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	02-Jan-15 A	02-Oct-15 A																																		
Compliance	EPA Compliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0		06-Sep-15 A																																		
Engineering Design	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680	155	01-May-15 A	02-Oct-15 A																																		
Permitting	EPA Start Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680	0	07-Sep-15 A	28-Dec-15 A																																		
Compliance	EPA Compliance Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680**	0		05-Dec-15 A																																		
Permitting	Permitting - Upgrade PS#0198, 0437, 0466, 0680	141	10-Aug-15 A	28-Dec-15 A																																		
Procurement	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680	0	06-Dec-15 A	20-Jun-16 A																																		
Compliance	EPA Compliance Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680**	0		02-Jun-16 A																																		
Procurement	Procurement - Upgrade PS#0198, 0437, 0466, 0680	230	04-Nov-15 A	20-Jun-16 A																																		
Construction	EPA Start Date for Construction - Upgrade PS#0198, 0437, 0466, 0680	0	03-Jun-16 A	31-Dec-18 A																																		
Construction	Construction - Upgrade PS#0198, 0437, 0466, 0680	562	18-Apr-16 A	24-Jan-18 A																																		
Substantial Completion	(CD Compliance Date 12/31/18) - Upgrade PS#0198, 0437, 0466, 0680	0		24-Jan-18 A																																		
Compliance	EPA Compliance Date for Construction - Upgrade PS#0198, 0437, 0466, 0680**	0		31-Dec-18 A																																		
5.16 (1) Pump Station 0198 Compliance Project																																						
Pre-Design	Pre-Design - PS#0198 Compliance Project	179	03-Nov-14 A	30-Apr-15 A																																		
Engineering Design	Engineering Design - PS#0198 Compliance Project	96	01-May-15 A	04-Aug-15 A																																		
Permitting	Permitting - PS#0198 Compliance Project	66	10-Aug-15 A	15-Oct-15 A																																		
Procurement	Design Documents Sent to Procurement - PS#0198 Compliance Project	0	04-Nov-15 A	14-Apr-16 A																																		
Compliance	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project	26	04-Nov-15 A	29-Nov-15 A																																		
Compliance	Advertise Bid Package - PS#0198 Compliance Project	0	07-Dec-15 A	06-Jan-16 A																																		
Compliance	Bid Solicitation Period - PS#0198 Compliance Project	31	07-Dec-15 A	06-Jan-16 A																																		
Compliance	Bids Due - PS#0198 Compliance Project	0	06-Jan-16 A	25-Jan-16 A																																		
Compliance	Bid Review Period - PS#0198 Compliance Project	20	06-Jan-16 A	25-Jan-16 A																																		
Compliance	Bid Cancellation - PS#0198 Compliance Project	3	26-Jan-16 A	28-Jan-16 A																																		
Compliance	Re-Bid Solicitation - PS#0198 Compliance Project	30	09-Feb-16 A	09-Mar-16 A																																		
Compliance	Re-Bids Due - PS#0198 Compliance Project	0	10-Mar-16 A	23-Mar-16 A																																		
Compliance	Re-Bid Review Period - PS#0198 Compliance Project	14	10-Mar-16 A	23-Mar-16 A																																		
Compliance	Award Recommendation - PS#0198 Compliance Project	0	23-Mar-16 A	14-Apr-16 A																																		
Compliance	Procurement - PS#0198 Compliance Project	163	04-Nov-15 A	14-Apr-16 A																																		
Compliance	Final Approvals - PS#0198 Compliance Project	22	24-Mar-16 A	14-Apr-16 A																																		
Compliance	P.O. Issued - PS#0198 Compliance Project	0	14-Apr-16 A	28-Feb-19 A																																		
Construction	Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project	0	25-Apr-16 A	28-Feb-19 A																																		
Construction	Construction - PS#0198 Compliance Project	562	18-Apr-16 A	24-Jan-18 A																																		

Activity ID	Activity Name	Original Duration	Start	Finish	2018-2026																											
					2018	2019	2020	2021	2022	2023	2024	2025	2026																			
					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		
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	28-Feb-19 A	■ Project Closeout - PS#0198 Compliance Project																											
Project Administration					■ Project Administration																											
PS35240	WASD Project Administration - PS#0198 Compliance Project	1005	01-May-15 A	28-Feb-19 A	■ WASD Project Administration - PS#0198 Compliance Project																											
5.16 (2) Pump Station No. 0437 Upgrade																																
Pre-Design																																
PS20300	Pre-Design - PS#0437 Upgrade	179	03-Nov-14 A	30-Apr-15 A																												
Engineering Design																																
PS12402	Engineering Design - PS#0437 Upgrade	95	01-May-15 A	04-Aug-15 A																												
Permitting																																
PS12412	Permitting - PS#0437 Upgrade	67	10-Aug-15 A	16-Oct-15 A																												
Procurement																																
PS33390	Design Documents Sent to Procurement - PS#0437 Upgrade	0	24-Nov-15 A																													
PS33410	Advertise Bid Package - PS#0437 Upgrade	0	09-Dec-15 A																													
PS33400	Submit/Approve SBD Goals and Request to Advertise - PS#0437 Upgrade	46	24-Nov-15 A	08-Jan-16 A																												
PS33420	Bid Solicitation Period - PS#0437 Upgrade	31	09-Dec-15 A	08-Jan-16 A																												
PS33430	Bids Due - PS#0437 Upgrade	0	09-Jan-16 A																													
PS33440	Bid Review Period - PS#0437 Upgrade	12	09-Jan-16 A	20-Jan-16 A																												
PS33450	Award Recommendation - PS#0437 Upgrade	0		20-Jan-16 A																												
PS33460	Final Approvals - PS#0437 Upgrade	28	21-Jan-16 A	17-Feb-16 A																												
PS50790	P.O. Issued - PS#0437 Upgrade	0		17-Feb-16 A																												
PS12422	Procurement - PS#0437 Upgrade	146	24-Nov-15 A	17-Apr-16 A																												
Construction																																
PS33470	Contractor Notice to Proceed (NTP) - PS#0437 Upgrade	0	18-Apr-16 A																													
PS12432	Construction - PS#0437 Upgrade	243	02-May-16 A	30-Dec-16 A																												
PS12442	Substantial Completion (CD Compliance Date 12/31/18) - PS#0437 Upgrade	0		30-Dec-16 A																												
PS40890	Project Closeout - PS#0437 Upgrade	274	31-Dec-16 A	28-Mar-19 A																												
Project Administration																																
PS35230	WASD Project Administration - PS#0437 Upgrade	884	01-May-15 A	28-Mar-19 A																												
5.16 (3) Pump Station 0466 Compliance Project																																
Pre-Design																																
PS20310	Pre-Design - PS#0466 Compliance Project	264	03-Nov-14 A	24-Jul-15 A																												
Engineering Design																																
PS12452	Engineering Design - PS#0466 Compliance Project	67	27-Jul-15 A	02-Oct-15 A																												
Permitting																																
PS12462	Permitting - PS#0466 Compliance Project	1	02-Oct-15 A	02-Oct-15 A																												
Procurement																																
PS33480	Design Documents Sent to Procurement - PS#0466 Compliance Project	0	26-Feb-16 A																													
PS33490	Submit/Approve SBD Goals and Request to Advertise - PS#0466 Compliance Project	18	26-Feb-16 A	14-Mar-16 A																												
PS33500	Advertise Bid Package - PS#0466 Compliance Project	0	15-Mar-16 A																													
PS33510	Bid Solicitation Period - PS#0466 Compliance Project	32	15-Mar-16 A	15-Apr-16 A																												
PS33520	Bids Due - PS#0466 Compliance Project	0	15-Apr-16 A																													
PS33530	Bid Review Period - PS#0466 Compliance Project	8	15-Apr-16 A	22-Apr-16 A																												
PS33540	Award Recommendation - PS#0466 Compliance Project	0		22-Apr-16 A																												
PS12472	Procurement - PS#0466 Compliance Project	116	26-Feb-16 A	20-Jun-16 A																												
PS33550	Final Approvals - PS#0466 Compliance Project	59	23-Apr-16 A	20-Jun-16 A																												
PS50810	P.O. Issued - PS#0466 Compliance Project	0		20-Jun-16 A																												
Construction																																
PS33560	Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project	0	11-Jul-16 A																													
PS12482	Construction - PS#0466 Compliance Project	103	11-Jul-16 A	21-Oct-16 A																												
PS12492	Substantial Completion (CD Compliance Date 12/31/18) - PS#0466 Compliance Project	0		21-Oct-16 A																												
PS40900	Project Closeout - PS#0466 Compliance Project	344	22-Oct-16 A	27-Oct-17 A																												
Project Administration																																
PS35220	WASD Project Administration - PS#0466 Compliance Project	797	27-Jul-15 A	27-Oct-17 A																												
5.16 (4) Pump Station 0680 Upgrade																																
Pre-Design																																
PS20320	Pre-Design - PS#0680 Upgrade	179	03-Nov-14 A	30-Apr-15 A																												
Engineering Design																																
PS12502	Engineering Design - PS#0680 Upgrade	95	01-May-15 A	04-Aug-15 A																												
Permitting																																
PS12512	Permitting - PS#0680 Upgrade	141	10-Aug-15 A	28-Dec-15 A																												
Procurement																																
PS33570	Design Documents Sent to Procurement - PS#0680 Upgrade	0	24-Nov-15 A																													
PS33580	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade	16	24-Nov-15 A	09-Dec-15 A																												
PS33590	Advertise Bid Package - PS#0680 Upgrade	0	09-Dec-15 A																													
PS33600	Bid Solicitation Period - PS#0680 Upgrade	31	09-Dec-15 A	08-Jan-16 A																												
PS33610	Bids Due - PS#0680 Upgrade	0	09-Jan-16 A																													
PS33620	Bid Review Period - PS#0680 Upgrade	12	09-Jan-16 A	20-Jan-16 A																												
PS33630	Award Recommendation - PS#0680 Upgrade	0		20-Jan-16 A																												
PS12522	Procurement - PS#0680 Upgrade	86	24-Nov-15 A	17-Feb-16 A																												
PS33640	Final Approvals - PS#0680 Upgrade	28	21-Jan-16 A	17-Feb-16 A																												
PS50800	P.O. Issued - PS#0680 Upgrade	0		17-Feb-16 A																												
Construction																																
PS33650	Contractor Notice to Proceed (NTP) - PS#0680 Upgrade	0	18-Apr-16 A																													
PS12532	Construction - PS#0680 Upgrade	228	18-Apr-16 A	01-Dec-16 A																												

Activity ID	Activity Name	Original Duration	Start	Finish	2018 2019 2020 2021 2022 2023 2024 2025 2026																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
PS12542	Substantial Completion (CD Compliance Date 12/31/18) - PS#0680 Upgrade	0		01-Dec-16 A	CD Compliance Date 12/31/18) - PS#0680 Upgrade																							
PS40910	Project Closeout - PS#0680 Upgrade	303	02-Dec-16 A	30-Nov-19 A	Project Closeout - PS#0680 Upgrade																							
Project Administration					30-Nov-19 A; Project Administration																							
PS35210	WASD Project Administration - PS#0680 Upgrade	884	01-May-15 A	30-Nov-19 A	WASD Project Administration - PS#0680 Upgrade																							
5.17 Upgrade of PS#0037, 0351, 0370, 0403					30-Jul-22, 5.17 Upgrade of PS#0037, 0351, 0370, 0403																							
Engineering Design					Engineering Design - Upgrade PS#0037, 0351, 0370, 0403																							
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					Permitting - Upgrade PS#0037, 0351, 0370, 0403																							
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					Procurement - Upgrade PS#0037, 0351, 0370, 0403																							
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					Construction - Upgrade PS#0037, 0351, 0370, 0403																							
PS71780	EPA Start Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0	16-May-17 A		EPA Start Date for Construction - Upgrade PS#0037, 0351, 0370, 0403																							
PS10720	Construction - Upgrade PS#0037, 0351, 0370, 0403	203	12-Apr-17 A	30-Apr-18 A	Construction - Upgrade PS#0037, 0351, 0370, 0403																							
PS10750	Substantial Completion (CD Compliance Date 11/20/18) - Upgrade PS#0037, 0351, 0370, 0403	0		30-Apr-18 A	Substantial Completion (CD Compliance Date 11/20/18) - Upgrade PS#0037, 0351, 0370, 0403																							
PS51470	EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0		30-Nov-18 A	EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403																							
5.17 (1) Pump Station 0037 Compliance Project					30-Jul-22, 5.17 (1) Pump Station 0037 Compliance Project																							
Pre-Design					Pre-Design - PS#0037 Compliance Project																							
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					Engineering Design - PS#0037 Compliance Project																							
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					Permitting - PS#0037 Compliance Project																							
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					Procurement - PS#0037 Compliance Project																							
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					Construction - PS#0037 Compliance Project																							
PS33740	Contractor Notice to Proceed (NTP) - PS#0037 Compliance Project	0	09-May-17 A		Contractor Notice to Proceed (NTP) - PS#0037 Compliance Project																							
PS12582	Milestone I Construction of PS and FM - PS#0037 Compliance Project	210	09-May-17 A	14-Nov-17 A	Milestone I Construction of PS and FM - PS#0037 Compliance Project																							
PS12592	Milestone I Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0037 Compliance Project	0		14-Nov-17 A	Milestone I Substantial Completion of PS and FM (CD Compliance Date 11/20/18) - PS#0037 Compliance Project																							
PS72010	Phase II Substantial Completion (Non-Consent Decree) - PS#0037 Compliance Project	0		27-Apr-18 A	Phase II Substantial Completion (Non-Consent Decree) - PS#0037 Compliance Project																							
PS40920	Project Closeout - PS#0037 Compliance Project	40	28-Apr-18 A	30-Jul-22*	Project Closeout - PS#0037 Compliance Project																							
Project Administration					30-Jul-22, Project Administration																							
PS35200	WASD Project Administration - PS#0037 Compliance Project	832	05-Oct-15 A	30-Jul-22	WASD Project Administration - PS#0037 Compliance Project																							
5.17 (1.1) Pump Station 0037 Pavement Restoration					11-Apr-22 A, 5.17 (1.1) Pump Station 0037 Pavement Restoration																							
Engineering Design					Engineering Design - PS#0037 Pavement Restoration																							
PS723990	90% Design Submittal / Review - PS#0037 Pavement Restoration	80	28-Apr-21 A	14-Jan-22 A	90% Design Submittal / Review - PS#0037 Pavement Restoration																							
PS723840	Engineering Design - PS#0037 Pavement Restoration	103	28-Apr-21 A	11-Apr-22 A	Engineering Design - PS#0037 Pavement Restoration																							
PS724000	100% Design Submittal / Review - PS#0037 Pavement Restoration	23	15-Jan-22 A	11-Apr-22 A	100% Design Submittal / Review - PS#0037 Pavement Restoration																							
PS724050	Project Transferred to WASD - PS#0037 Pavement Restoration	0		11-Apr-22 A	Project Transferred to WASD - PS#0037 Pavement Restoration																							
5.17 (2) Pump Station No. 0351 Upgrade					31-Jan-19 A, 5.17 (2) Pump Station No. 0351 Upgrade																							
Pre-Design					Pre-Design - PS#0351 Upgrade																							
PS20340	Pre-Design - PS#0351 Upgrade	89	15-Jan-16 A	12-Apr-16 A	Pre-Design - PS#0351 Upgrade																							
Engineering Design					Engineering Design - PS#0351 Upgrade																							
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																							

Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020				2021				2022				2023				2024				2025		2026	
					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
Permitting					196	15-Aug-16 A	27-Feb-17 A																											
PS41750	RER DERM Permit - PS#0351 Upgrade	113	16-Aug-16 A	06-Dec-16 A																														
PS12612	Permitting - PS#0351 Upgrade	197	15-Aug-16 A	27-Feb-17 A																														
PS41760	Municipal PW Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A																														
PS41780	City of Miami Gardens Building Dept Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A																														
PS50760	MDDTPW Permit - PS#0351 Upgrade	127	24-Oct-16 A	27-Feb-17 A																														
Procurement					163	23-Nov-16 A	05-May-17 A																											
PS33750	Design Documents Sent to Procurement - PS#0351 Upgrade	0	23-Nov-16 A																															
PS33760	Submit/Approve SBD Goals and Request to Advertise - PS#0351 Upgrade	70	23-Nov-16 A	31-Jan-17 A																														
PS33770	Advertise Bid Package - PS#0351 Upgrade	0	01-Feb-17 A																															
PS33780	Bid Solicitation Period - PS#0351 Upgrade	36	01-Feb-17 A	08-Mar-17 A																														
PS33790	Bids Due - PS#0351 Upgrade	0	09-Mar-17 A																															
PS33800	Bid Review Period - PS#0351 Upgrade	13	09-Mar-17 A	21-Mar-17 A																														
PS33810	Award Recommendation - PS#0351 Upgrade	0		21-Mar-17 A																														
PS12622	Procurement - PS#0351 Upgrade	164	23-Nov-16 A	05-May-17 A																														
PS33820	Final Approvals - PS#0351 Upgrade	45	22-Mar-17 A	05-May-17 A																														
PS72570	P.O. Issued - PS#0351 Upgrade	0		05-May-17 A																														
Construction					321	05-May-17 A	31-Jan-19 A																											
PS33830	Contractor Notice to Proceed (NTP) - PS#0351 Upgrade	0	05-May-17 A																															
PS12632	Construction - PS#0351 Upgrade	180	05-May-17 A	01-Dec-17 A																														
PS12642	Substantial Completion (CD Compliance Date 11/20/18) - PS#0351 Upgrade	0		01-Dec-17 A																														
PS40930	Project Closeout - PS#0351 Upgrade	50	01-Dec-17 A	31-Jan-19 A																														
Project Administration					668	12-Apr-16 A	31-Jan-19 A																											
PS35190	WASD Project Administration - PS#0351 Upgrade	668	12-Apr-16 A	31-Jan-19 A																														
5.17 (2.1) Pump Station 0351 FM Replacement					1276	16-Jul-18 A	17-Aug-21 A																											
Pre-Design					90	16-Jul-18 A	01-Jul-19 A																											
PS723500	Pre-Design - PS#0351 FM Replacement	90	16-Jul-18 A	01-Jul-19 A																														
Engineering Design					489	02-Jul-19 A	05-Mar-21 A																											
PS723510	90% Design Submittal / Review - PS#0351 FM Replacement	30	02-Jul-19 A	28-Oct-20 A																														
PS723540	Engineering Design - PS#0351 FM Replacement	74	02-Jul-19 A	05-Mar-21 A																														
PS723550	100% Design Submittal / Review - PS#0351 FM Replacement	16	29-Oct-20 A	05-Mar-21 A																														
Permitting					95	03-Mar-21 A	07-Jun-21 A																											
PS723570	Permitting - PS#0351 FM Replacement	95	03-Mar-21 A	07-Jun-21 A																														
Procurement					180	16-Aug-21 A	17-Aug-21 A																											
PS723610	Design Documents Sent to Procurement - PS#0351 FM Replacement	0	16-Aug-21 A																															
PS723680	Procurement - PS#0351 FM Replacement	180	16-Aug-21 A	17-Aug-21 A																														
PS723620	Submit/Approve SBD Goals and Request to Advertise - PS#0351 FM Replacement	60	16-Aug-21 A	17-Aug-21 A																														
PS724030	Transferred to WASD - PS#0351 FM Replacement	0		17-Aug-21 A																														
5.17 (3) Pump Station No. 0370 Upgrade and Installation of FM					856	16-Dec-15 A	31-Jan-19 A																											
Pre-Design					118	16-Dec-15 A	11-Apr-16 A																											
PS20360	Pre-Design - PS#0370 Upgrade and FM Installation	118	16-Dec-15 A	11-Apr-16 A																														
Engineering Design					134	12-Apr-16 A	23-Aug-16 A																											
PS50550	30% Design Submittal - PS#0370 Upgrade and FM Installation	49	12-Apr-16 A	30-May-16 A																														
PS50560	30% Design Review - PS#0370 Upgrade and FM Installation	18	31-May-16 A	17-Jun-16 A																														
PS50570	90% Design Submittal - PS#0370 Upgrade and FM Installation	35	18-Jun-16 A	22-Jul-16 A																														
PS12702	Engineering Design - PS#0370 Upgrade and FM Installation	134	12-Apr-16 A	23-Aug-16 A																														
PS50580	90% Design Review - PS#0370 Upgrade and FM Installation	32	23-Jul-16 A	23-Aug-16 A																														
Permitting					176	24-Aug-16 A	15-Feb-17 A																											
PS50590	RER DERM Permit - PS#0370 Upgrade and FM Installation	105	24-Aug-16 A	06-Dec-16 A																														
PS50750	Municipal PWD Permit - PS#0370 Upgrade and FM Installation	9	08-Dec-16 A	16-Dec-16 A																														
PS50730	City of Miami Gardens Building Dept. Permit - PS#0370 Upgrade and FM Installation	47	08-Dec-16 A	23-Jan-17 A																														
PS12712	Permitting - PS#0370 Upgrade and FM Installation	176	24-Aug-16 A	15-Feb-17 A																														
PS50740	MDDTPW Permit - PS#0370 Upgrade and FM Installation	70	08-Dec-16 A	15-Feb-17 A																														
Procurement					135	23-Nov-16 A	06-Apr-17 A																											
PS33930	Design Documents Sent to Procurement - PS#0370 Upgrade and FM Installation	0	23-Nov-16 A																															
PS33940	Submit/Approve SBD Goals and Request to Advertise - PS#0370 Upgrade and FM Installation	71	23-Nov-16 A	01-Feb-17 A																														
PS33950	Advertise Bid Package - PS#0370 Upgrade and FM Installation	0	02-Feb-17 A																															
PS33960	Bid Solicitation Period - PS#0370 Upgrade and FM Installation	36	02-Feb-17 A	09-Mar-17 A																														
PS33970	Bids Due - PS#0370 Upgrade and FM Installation	0	10-Mar-17 A																															
PS33980	Bid Review Period - PS#0370 Upgrade and FM Installation	7	10-Mar-17 A	16-Mar-17 A																														
PS33990	Award Recommendation - PS#0370 Upgrade and FM Installation	0		16-Mar-17 A																														
PS12722	Procurement - PS#0370 Upgrade and FM Installation	135	23-Nov-16 A	06-Apr-17 A																														
PS34000	Final Approvals - PS#0370 Upgrade and FM Installation	21	17-Mar-17 A	06-Apr-17 A																														
PS41790	P.O. Issued - PS#0370 Upgrade and FM Installation	0		06-Apr-17 A																														
Construction					373	12-Apr-17 A	31-Jan-19 A																											
PS34010	Contractor Notice to Proceed (NTP) - PS#0370 Upgrade and FM Installation	0	12-Apr-17 A																															
PS12732	Construction - PS#0370 Upgrade and FM Installation	180	12-Apr-17 A	11-Jan-18 A																														
PS12742	Substantial Completion (CD Compliance Date 11/20/18) - PS#0370 Upgrade and FM Installation	0		11-Jan-18 A																														
PS40950	Project Closeout - PS#0370 Upgrade and FM Installation	70	12-Jan-18 A	31-Jan-19 A																														
Project Administration					615	12-Apr-16 A	31-Jan-19 A																											
PS35170	WASD Project Administration - PS#0370 Upgrade and FM Installation	615	12-Apr-16 A	31-Jan-19 A																														
5.17 (4) Pump Station 0403 Upgrade					967	16-Dec-15 A	01-Mar-21 A																											
Pre-Design					118	16-Dec-15 A	11-Apr-16 A																											
PS20380	Pre-Design - PS#0403 Upgrade	118	16-Dec-15 A	11-Apr-16 A																														
Engineering Design					147	11-Apr-16 A	05-Sep-16 A																											

Table with columns for Activity ID, Activity Name, Original Duration, Start, Finish, and quarterly progress (Q1-Q4) for years 2018 through 2026. Rows include projects such as PS34280 (Contractor Notice to Proceed), PS12882 (Construction), PS723080 (Commissioning), and 5.18 (2) Pump Station 0491 Compliance Project.

Activity ID	Activity Name	Original Duration	Start	Finish	2018 - 2026																																			
					2018				2019				2020				2021				2022				2023				2024				2025				2026			
					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				
PS13082	Construction - PS#0827 Compliance Project	300	06-Aug-18 A	18-Nov-19 A	Construction - PS#0827 Compliance Project																																			
PS723100	Commissioning - PS#0827 Compliance Project	33	14-Oct-19 A	18-Nov-19 A	Commissioning - PS#0827 Compliance Project																																			
PS13092	Substantial Completion (CD Compliance Date 12/13/19) - PS#0827 Compliance Project	0		18-Nov-19 A	Substantial Completion (CD Compliance Date 12/13/19) - PS#0827 Compliance Project																																			
PS41020	Project Closeout - PS#0827 Compliance Project	50	19-Nov-19 A	01-Mar-21 A	Project Closeout - PS#0827 Compliance Project																																			
Project Administration					Project Administration																																			
PS35110	WASD Project Administration - PS#0827 Compliance Project	730	09-Mar-17 A	01-Mar-21 A	WASD Project Administration - PS#0827 Compliance Project																																			
5.18 (5) Pump Station 0852 Compliance Project					5.18 (5) Pump Station 0852 Compliance Project																																			
Pre-Design					Pre-Design																																			
PS20450	Pre-Design - PS#0852 Compliance Project	112	06-Dec-16 A	27-Mar-17 A	Pre-Design - PS#0852 Compliance Project																																			
Engineering Design					Engineering Design																																			
PS72450	30% Design Submittal - PS#0852 Compliance Project	49	28-Mar-17 A	15-May-17 A	30% Design Submittal - PS#0852 Compliance Project																																			
PS72460	30% Design Review - PS#0852 Compliance Project	10	16-May-17 A	25-May-17 A	30% Design Review - PS#0852 Compliance Project																																			
PS72470	100% Design Submittal - PS#0852 Compliance Project	67	26-May-17 A	31-Jul-17 A	100% Design Submittal - PS#0852 Compliance Project																																			
PS13152	Engineering Design - PS#0852 Compliance Project	135	28-Mar-17 A	09-Aug-17 A	Engineering Design - PS#0852 Compliance Project																																			
PS72480	100% Design Review/Permit Ready Submittal - PS#0852 Compliance Project	9	01-Aug-17 A	09-Aug-17 A	100% Design Review/Permit Ready Submittal - PS#0852 Compliance Project																																			
Permitting					Permitting																																			
PS72510	Public Work Permit - PS#0852 Compliance Project	49	18-Dec-17 A	21-Dec-17 A	Public Work Permit - PS#0852 Compliance Project																																			
PS72490	RER/DERM Permit - PS#0852 Compliance Project	82	10-Aug-17 A	29-Jan-18 A	RER/DERM Permit - PS#0852 Compliance Project																																			
PS13162	Permitting - PS#0852 Compliance Project	142	10-Aug-17 A	30-Mar-18 A	Permitting - PS#0852 Compliance Project																																			
PS72500	County Bldg Dept Permit - PS#0852 Compliance Project	49	19-Feb-18 A	30-Mar-18 A	County Bldg Dept Permit - PS#0852 Compliance Project																																			
Procurement					Procurement																																			
PS71900	Internal Bid Package Review - PS#0852 Compliance Project	3	02-Mar-18 A	04-Mar-18 A	Internal Bid Package Review - PS#0852 Compliance Project																																			
PS34740	Design Documents Sent to Procurement - PS#0852 Compliance Project	0	05-Mar-18 A		Design Documents Sent to Procurement - PS#0852 Compliance Project																																			
PS34750	Submit/Approve SBD Goals and Request to Advertise - PS#0852 Compliance Project	30	06-Mar-18 A	25-Mar-18 A	Submit/Approve SBD Goals and Request to Advertise - PS#0852 Compliance Project																																			
PS34760	Advertise Bid Package - PS#0852 Compliance Project	0	26-Mar-18 A		Advertise Bid Package - PS#0852 Compliance Project																																			
PS34770	Bid Solicitation Period - PS#0852 Compliance Project	45	26-Mar-18 A	25-Apr-18 A	Bid Solicitation Period - PS#0852 Compliance Project																																			
PS34780	Bids Due - PS#0852 Compliance Project	0	26-Apr-18 A		Bids Due - PS#0852 Compliance Project																																			
PS34790	Bid Review Period - PS#0852 Compliance Project	15	26-Apr-18 A	31-May-18 A	Bid Review Period - PS#0852 Compliance Project																																			
PS34800	Award Recommendation - PS#0852 Compliance Project	0		31-May-18 A	Award Recommendation - PS#0852 Compliance Project																																			
PS13172	Procurement - PS#0852 Compliance Project	120	05-Mar-18 A	02-Aug-18 A	Procurement - PS#0852 Compliance Project																																			
PS34810	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0852 Compliance Project	30	01-Jun-18 A	02-Aug-18 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0852 Compliance Project																																			
Construction					Construction																																			
PS34820	Contractor Notice to Proceed (NTP) - PS#0852 Compliance Project	0	04-Sep-18 A		Contractor Notice to Proceed (NTP) - PS#0852 Compliance Project																																			
PS13182	Construction - PS#0852 Compliance Project	250	04-Sep-18 A	26-Jul-19 A	Construction - PS#0852 Compliance Project																																			
PS723110	Commissioning - PS#0852 Compliance Project	60	30-Apr-19 A	26-Jul-19 A	Commissioning - PS#0852 Compliance Project																																			
PS13192	Substantial Completion (CD Compliance Date 12/13/19) - PS#0852 Compliance Project	0		26-Jul-19 A	Substantial Completion (CD Compliance Date 12/13/19) - PS#0852 Compliance Project																																			
PS41040	Project Closeout - PS#0852 Compliance Project	50	26-Jul-19 A	06-Nov-20 A	Project Closeout - PS#0852 Compliance Project																																			
Project Administration					Project Administration																																			
PS35100	WASD Project Administration - PS#0852 Compliance Project	712	28-Mar-17 A	06-Nov-20 A	WASD Project Administration - PS#0852 Compliance Project																																			
5.18 (6) Pump Station 1236 Compliance Project					5.18 (6) Pump Station 1236 Compliance Project																																			
Construction					Construction																																			
PS13242	Phase I Substantial Completion Inspection (CD Compliance Date 12/13/19) - PS#1236 Compliance Project	0	01-May-17 A	01-May-17 A	Phase I Substantial Completion Inspection (CD Compliance Date 12/13/19) - PS#1236 Compliance Project																																			
5.19 SCADA RTU Upgrades					5.19 SCADA RTU Upgrades																																			
Construction					Construction																																			
PS71830	EPA Start Date for Construction - PS SCADA RTU Upgrades	0	01-Oct-13 A		EPA Start Date for Construction - PS SCADA RTU Upgrades																																			
PS10020	Construction - PS SCADA RTU Upgrades	784	01-Oct-13 A	23-Nov-15 A	Construction - PS SCADA RTU Upgrades																																			
PS10530	Substantial Completion (CD Compliance Date 3/18/16) - PS SCADA RTU Upgrades	0		23-Nov-15 A	Substantial Completion (CD Compliance Date 3/18/16) - PS SCADA RTU Upgrades																																			
PS51520	EPA Compliance Date for Construction - PS SCADA RTU Upgrades	0		18-Mar-16 A	EPA Compliance Date for Construction - PS SCADA RTU Upgrades																																			
Project Administration					Project Administration																																			
PS72660	WASD Project Administration - PS SCADA RTU Upgrades	784	01-Oct-13 A	23-Nov-15 A	WASD Project Administration - PS SCADA RTU Upgrades																																			
6. Supplemental Environmental Project					6. Supplemental Environmental Project																																			
Engineering Design					Engineering Design																																			
PM10000	Engineering Design - SEP	535	08-Jun-15 A	23-Nov-16 A	Engineering Design - SEP																																			
PM10005	Compliance Milestone Achieved - SEP Design (CD Compliance Date 4/8/2017)	0		08-Apr-17 A	Compliance Milestone Achieved - SEP Design (CD Compliance Date 4/8/2017)																																			
PM50190	EPA Compliance Date for Engineering Design - SEP	0		08-Apr-17 A	EPA Compliance Date for Engineering Design - SEP																																			
Construction					Construction																																			
PM50010	Construction Summary - SEP	1124	14-Dec-15 A	26-Dec-18 A	Construction Summary - SEP																																			
PM10015	Substantial Completion - SEP Construction (CD Compliance Date 11/18/19)	0		26-Dec-18 A	Substantial Completion - SEP Construction (CD Compliance Date 11/18/19)																																			
PM50200	EPA Compliance Date for Construction Summary - SEP	0		18-Nov-19 A	EPA Compliance Date for Construction Summary - SEP																																			
6.0 Supplemental Environmental Project (SEP)					6.0 Supplemental Environmental Project (SEP)																																			
Pre-Design					Pre-Design																																			
PM10190	Pre-Design - SEP	231	20-Oct-14 A	07-Jun-15 A	Pre-Design - SEP																																			
Engineering Design					Engineering Design																																			
PM20000	Basis of Design Report (BODR) - SEP	99	08-Jun-15 A	14-Sep-15 A	Basis of Design Report (BODR) - SEP																																			
PM20010	BODR Review Period - SEP	53	15-Sep-15 A	06-Nov-15 A	BODR Review Period - SEP																																			
PM21111	Negotiate Scope & Fee for Balance of Design - SEP	173	28-Aug-15 A	16-Feb-16 A	Negotiate Scope & Fee for Balance of Design - SEP																																			
PM20020	30% Design Submittal - SEP	136	17-Feb-16 A	01-Jul-16 A	30% Design Submittal - SEP																																			
PM20030	30% Design Review - SEP	17	02-Jul-16 A	18-Jul-16 A	30% Design Review - SEP																																			
PM20040	60% Design Submittal - SEP	60	19-Jul-16 A	16-Sep-16 A	60% Design Submittal - SEP																																			
PM20050	60% Design Review - SEP	7	17-Sep-16 A	23-Sep-16 A	60% Design Review - SEP																																			
PM50360	Engineering Design - SEP	535	08-Jun-15 A	23-Nov-16 A	Engineering Design - SEP																																			
PM20060	100% Design Submittal - SEP	61	24-Sep-16 A	23-Nov-16 A	100% Design Submittal - SEP																																			
Permitting					Permitting																																			
PM50170	FDOT Permit - SEP	97	23-Nov-16 A	27-Feb-17 A	FDOT Permit - SEP																																			
PM50150	RER (DERM) Permit - SEP	106	13-Jan-17 A	28-Apr-17 A	RER (DERM) Permit - SEP																																			

Appendix C
CMOM Program:
Financial Analysis Program Report

MIAMI-DADE WATER AND SEWER DEPARTMENT
Consolidated Financial Projection - Wastewater Systems (\$000)
Fiscal Year Actuals Year to Date (October - March 2022)
(On an accrual basis)

<i>In Thousands</i>	Audited	Semi-Annual UnAudited
	Oct-Sep	Oct-Mar
Wastewater System	FY 20-21 Actual	FY 21-22 Actual
Revenues:		
Wastewater System Operating Revenues	\$451,316	\$200,599
Interest Income	\$1,404	\$9,460
Other Adjustments (net change accruals&payables)	\$0	\$0
Transferred From WASD Water Operations (*Occurs at Year-end flow of funds)	\$151,009	\$0
Total Revenues:	\$603,729	\$210,059
Expenditures:		
Wastewater System Operating & Maintenance Expenditures	(\$277,073)	(\$133,433)
Debt Service - Existing	(\$179,813)	(\$100,724)
Operating Revenues Transferred To Wastewater Renewal & Replacement Capital Fund	(\$40,558)	\$0*
Operating Revenues Transferred To Wastewater Special Construction Fund	\$0	\$0
Operating Revenues Transferred To Bond Required Reserve	\$1,322	\$879
Transferred To WASD Water Operations	\$0	\$0
Total Expenditures Operating and Non-Operating	(\$496,122)	(\$233,278)
Net Overage/(Deficit) in Wastewater System Revenues (pending transfer from water)	\$107,607	(\$23,219)
% Increase for Net Deficit	0.00%	0.00%

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

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

Reserve Required By Bond Ordinance Water and Wastewater	\$79,261	\$80,060
Water and Wastewater Rate Stabilization Fund Balance	\$30,534	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$79,708	\$79,708
Water and Wastewater Systems Transfer to/(from) General Reserve	\$0	\$0
Water and Sewer General Reserve Fund Ending Balance	\$79,708	\$79,708

Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 6 Months Ending March 31, 2022

Report Id: WGLZ11B
Run on: 04/14/22 08:40 AM
Source: GL

	Unaudited FY 2022			FY 2021	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
OPERATING REVENUES					
Retail Water	-	-	-	-	-
Retail Wastewater	172,100,647.19	169,035,201.00	3,065,446.19	166,039,022.05	6,061,625.14
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	43,425,237.54	44,071,966.00	(646,728.46)	41,916,052.89	1,509,184.65
Other Revenues	6,534,337.14	7,433,000.00	(898,662.86)	5,018,907.12	1,515,430.02
TOTAL OPERATING REVENUES	222,060,221.87	220,540,167.00	1,520,054.87	212,973,982.06	9,086,239.81
OPERATING & MAINTENANCE EXPENSES					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	16,705,517.15	18,494,992.49	1,789,475.34	17,258,399.37	552,882.22
Sewer Pumping	26,192,616.13	25,266,286.12	(926,330.01)	27,165,625.50	973,009.37
Sewer Treatment and Disposal	58,857,593.85	55,800,635.12	(3,056,958.73)	49,800,164.26	(9,057,429.59)
Customer Accounting	1,944,301.45	1,916,438.40	(27,863.05)	1,579,896.97	(364,404.48)
Customer Service	5,259,999.73	5,913,487.54	653,487.81	5,865,506.69	605,506.96
General and Administration	24,472,880.16	28,951,596.96	4,478,716.80	32,813,862.85	8,340,982.69
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
TOTAL OPERATING & MAINTENANCE EXPENSES	133,432,908.47	136,343,436.63	2,910,528.16	134,483,455.64	1,050,547.17
OPERATING INCOME BEFORE DEPRECIATION	88,627,313.40	84,196,730.37	4,430,583.03	78,490,526.42	10,136,786.98
Depreciation	79,218,573.88	-	(79,218,573.88)	64,590,752.29	(14,627,821.59)
OPERATING INCOME (LOSS)	9,408,739.52	84,196,730.37	(74,787,990.85)	13,899,774.13	(4,491,034.61)

Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 6 Months Ending March 31, 2022

Report Id: WGLZ11B
Run on: 04/14/22 08:40 AM
Source: GL

	Unaudited FY 2022			FY 2021	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
NON-OPERATING REVENUE (EXPENSE)					
Customer Connection Fees	17,142,566.18	-	17,142,566.18	9,121,319.79	8,021,246.39
Other Revenue	96,961.39	-	96,961.39	(1,538,998.15)	1,635,959.54
Other Expense	-	-	-	-	-
Change in Fair Value	-	-	-	-	-
Interest Income	813,639.01	-	813,639.01	404,120.50	409,518.51
Interest Expense	(54,957,181.19)	-	(54,957,181.19)	(44,149,184.51)	(10,807,996.68)
Capitalized Interest	-	-	-	(6,051.75)	6,051.75
Amortization of Debt Issue	(3,067,709.52)	-	(3,067,709.52)	(3,067,709.52)	-
Operating Disaster Revenue	-	-	-	128,152.58	(128,152.58)
Operating Grants	-	-	-	-	-
Job Order Recovery	314,443.36	-	314,443.36	467,249.21	(152,805.85)
Job Order Expenses	(456,263.92)	-	(456,263.92)	(473,011.88)	16,747.96
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	-	-	-	-
Non-O&M Activity	-	-	-	-	-
TOTAL NON-OPERATING REVENUE (EXPENSE)	(40,113,544.69)	-	(40,113,544.69)	(39,114,113.73)	(999,430.96)
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	(30,704,805.17)	84,196,730.37	(114,901,535.54)	(25,214,339.60)	(5,490,465.57)
Capital Contributions	6,546,603.72	-	6,546,603.72	6,296,479.59	250,124.13
INCREASE (DECREASE) IN NET POSITION	(24,158,201.45)	84,196,730.37	(108,354,931.82)	(18,917,860.01)	(5,240,341.44)

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of March 31, 2022**

Report Id: WFR018
Run on: 04/14/22 08:52 AM
Source: GL

	Annual Budget 2022	YEAR-TO-DATE				
		Actual 2022	Budget 2022	Actual 2021	Budget 2021	
OPERATING & MAINTENANCE EXPENSES						
100057	OM Activity - GL use only (SC)	577,000	668,932	288,500	519,255	289,206
225002	Sewer Collection & Trans (SC)	269,952	-	134,327	145,473	130,123
226002	Sewer Collection & Trans (SC)	212,867	109,990	103,428	-	-
229002	Sewer Collection & Trans (SC)	1,273,607	425,918	632,173	508,172	322,892
260004	Security Services (SC)	700,000	371,409	327,530	420,206	329,840
260110	Communications (SC)	305,004	137,041	151,768	134,883	174,118
260402	Damages (SC)	29,150	6,886	14,575	74,951	62,546
350105	Construction Mgmt (SC)	-	212	-	-	-
520521	Grounds Installs/Landscp (SC)	-	503	-	795	-
520601	Indoor Air Qly Insp Compl (SC)	25,000	-	11,698	-	23,560
520621	Install Mech/Hvac-Refr Eq (SC)	-	10,818	-	2,189	-
520661	Maint. of Mech Hvac Equip (SC)	100	-	50	63	-
520777	Maint. of Plumbing Equip (SC)	-	927	-	3,014	-
520871	Misc Projects/Tasks (SC)	-	167	-	-	-
520921	Structural Misc Task (SC)	-	3,451	-	2,444	-
620004	Sewer Collection & Trans (SC)	502,000	241,900	234,886	29,251	120,156
630117	Sewer Collection & Trans (SC)	2,500	-	1,170	-	1,178
711301	Sewer Meter Related Work (SC)	1,065,095	431,417	525,412	461,749	462,614
711305	Calibr/Test Sewer Meter (SC)	-	-	-	1,936	-
810002	Sewer Collection Actv (SC)	-	2,670	-	-	-
811015	Telemetry/SCADA (SC)	76,400	13,034	74,059	88,058	75,273
840001	Admin. & General (SC)	3,899,476	3,659,784	1,634,306	1,112,922	1,559,776
840002	Facilities Maint (SC)	24,000	7,158	11,230	6,679	5,277
840101	Cleaning (SC)	3,292,703	1,952,654	1,605,978	2,054,782	1,154,907
840102	Evaluation/Review (SC)	689,663	479,728	343,383	505,132	313,558
840103	Force Main Inspection (SC)	85,058	10,761	42,351	126,678	40,008
840104	Inspection-Repair Shop (SC)	824,161	543,591	389,789	478,610	436,660
840105	Joint Grouting (SC)	74,100	68,376	36,344	168,706	7,068
840106	Lateral TV Inspection (SC)	201,536	470,188	100,350	400,252	98,804
840107	Manhole Inspections (SC)	-	6,726	-	55,589	-
840108	Manhole Sealing (SC)	366,200	493,878	171,345	362,304	116,057
840109	Metering-Conductivity (SC)	260,000	71,588	121,975	147,588	-
840110	Metering-Night Flow (SC)	-	144,907	-	232,570	-
840111	Metering-Pre/Post (SC)	-	-	-	-	47
840112	Special Projects Inspect (SC)	4,580,393	272,130	2,280,578	644,109	2,628,110
840114	Smoke Test (SC)	1,200	50,021	561	20,147	565
840117	I/I Contract - Inspection (SC)	2,000,000	(297,215)	935,800	126,898	942,400
840118	Sect Metal Sleeve Main Li (SC)	-	9,837	-	4,179	-
840119	Deroot Main Line (SC)	-	13,237	-	7,057	-
840120	Descale Main Line (SC)	-	18,355	-	97,183	-

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of March 31, 2022**

Report Id: WFR018
Run on: 04/14/22 08:52 AM
Source: GL

	Annual Budget 2022	YEAR-TO-DATE				
		Actual 2022	Budget 2022	Actual 2021	Budget 2021	
840121		-	28,270	-	26,781	-
840122	29,000	1,199,143	14,500	991,799	-	-
840123	-	(897)	-	40,857	-	-
840124	-	7,559	-	-	-	-
840125	-	11,357	-	-	-	-
840126	-	1,895	-	-	-	-
840127	-	6,307	-	-	-	-
840128	-	10,538	-	-	-	-
840201	-	4,885	-	4,536	-	-
840202	-	991	-	-	-	-
840203	-	66,879	-	95,288	-	-
840204	-	14,844	-	9,623	-	-
840205	-	1,132	-	369	-	-
840206	2,333,225	503,573	1,095,947	1,331,438	419,727	-
840207	-	(12)	-	3,337	-	-
840208	6,286,438	1,188,147	3,125,974	2,337,223	2,843,058	-
840209	-	709	-	-	-	-
840210	1,796,500	1,165,448	864,664	1,575,033	563,932	-
840211	331,000	120,671	159,337	29,892	80,340	-
840212	-	(31)	-	2,128	-	-
840213	1,560,500	283,663	730,158	268,046	1,025,897	-
840214	3,100	661,507	1,450	460,564	2,500	-
840215	-	-	-	136	-	-
840216	-	3,650	-	-	-	-
840217	4,668,358	885,357	2,328,760	966,067	2,269,127	-
840218	-	92,290	-	85,606	94	-
840219	-	7,295	-	4,807	-	-
840220	-	-	-	-	471,200	-
840221	-	(304)	-	-	-	-
840240	-	20,050	-	80,742	-	-
840241	-	19,541	-	-	-	-
850129	1,350	82	636	306	4,783	-
Sewer Collection	38,346,636	16,705,517	18,494,992	17,258,399	16,975,403	
100058	906,000	1,034,781	453,000	806,341	454,537	-
212006	-	-	-	67,427	62,174	-
225001	282,201	-	140,441	231,941	257,561	-
226003	7,750	-	3,636	-	-	-
229001	-	9,471	-	20,058	2,488	-
260005	600,000	269,205	280,740	273,864	282,720	-
260120	262,305	239,789	130,549	216,456	126,537	-
350102	-	11,747	-	2,574	-	-
520002	24,000	-	12,000	385	6,126	-

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of March 31, 2022**

Report Id: WFR018
Run on: 04/14/22 08:52 AM
Source: GL

	Annual Budget 2022	YEAR-TO-DATE				
		Actual 2022	Budget 2022	Actual 2021	Budget 2021	
520102	Install. of Elect Equip (SP)	-	-	-	55	-
520301	Fueling/Recovery Deliv (SP)	38,288	56,305	19,132	35,196	8,089
520522	Grounds Installs/Landscp (SP)	-	361	-	16,451	-
520542	Grounds Maint. Services (SP)	224,164	123,820	111,659	105,637	141,613
520622	Install Mech/Hvac-Refr Eq (SP)	-	3,754	-	2,639	-
520642	Maintenance Contracts (SP)	500	-	234	-	-
520662	Maint. of Mech Hvac Equip (SP)	1,500	11,947	702	3,215	942
520778	Maint. of Plumbing Equip (SP)	105,201	15,228	52,379	11,441	52,954
520872	Misc Projects/Tasks (SP)	-	148	-	2,984	-
520902	Carpentry (SP)	-	554	-	-	-
520914	Painting (SP)	-	404	-	4,293	-
520922	Structural Misc Task (SP)	641,870	45,350	319,587	11,912	318,181
630112	Hazardous Waste Disposal (SP)	5,000	-	2,500	-	3,911
630114	Sewer Pumping (SP)	87,900	6,624	41,202	10,702	90,894
811016	Telemetry/SCADA (SP)	1,082,844	1,313,766	549,659	1,189,528	458,629
830001	Adm&Gnl (SP)	1,679,656	1,043,520	803,831	692,205	946,825
830002	Adm&Gnl-Admin Support (SP)	1,938,004	326,564	964,936	557,554	448,823
830003	Adm&Gnl-Training (SP)	25,300	23,218	11,854	10,047	13,405
830004	Adm&Gnl-Supv (SP)	138,836	72,095	68,395	54,710	55,257
830005	Adm&Gnl-Other (SP)	424,309	518,046	201,866	454,844	397,280
830200	Operations (SP)	-	37,150	-	48,872	-
830201	OP-Shutdowns (SP)	219	-	106	33	-
830203	OP-Supv (SP)	909,906	657,156	453,527	577,391	471,431
830204	OP-Engineering (SP)	800	-	374	-	-
830205	OP-Operations (SP)	100	155	47	2,557	94
830206	OP-Other (SP)	8,861,755	1,391,695	4,411,511	1,111,630	4,229,685
830300	Equipment (SP)	7,775,100	2,993,834	3,769,351	4,985,213	3,730,051
830301	Equip-Routine (SP)	6,381,638	1,770,139	3,168,580	1,714,028	3,011,158
830302	Equip-Preventive (SP)	980,953	747,911	487,652	355,554	483,045
830303	Equip-Predictive (SP)	9,986	732	4,882	1,282	7,450
830304	Equip-Corrective (SP)	9,754,688	8,797,114	4,665,549	8,722,709	4,424,645
830305	Equip-Engineering (SP)	200	326	94	609	-
830306	Equip-Supervision (SP)	803,630	833,566	400,256	614,753	433,959
830307	Equip-Other (SP)	550,498	179,338	258,017	246,584	248,079
830401	GroundsRoutine (SP)	7,000	-	3,275	3,739	3,581
830404	GroundsCorrective (SP)	1,000	-	468	620	377
830405	GroundsEngineering (SP)	1,300	-	608	-	94
830407	GroundsOther (SP)	100	-	50	-	-
830500	Structures (SP)	52,600	20,110	24,618	46,360	17,576
830501	Struct-Routine (SP)	86,700	160,330	40,830	373,389	36,666
830502	Struct-Preventive (SP)	-	433,710	-	974	942
830503	Struct-Predictive (SP)	900	-	424	-	3,918
830504	Struct-Corrective (SP)	290,333	514,937	141,113	561,836	138,843

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of March 31, 2022**

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	Annual Budget 2022	YEAR-TO-DATE				
		Actual 2022	Budget 2022	Actual 2021	Budget 2021	
830505	Struct-Engineering (SP)	-	160	-	730	6,843
830506	Struct-Supervision (SP)	554,029	317,694	275,918	257,000	312,447
830507	Struct-Other (SP)	4,010,239	938,948	1,988,186	593,300	1,689,394
830603	RemAct/Spil-Shutdowns (SP)	119	-	59	-	59
830700	Inspection (SP)	-	114,456	-	11,696	848
830703	Insp-ET's (SP)	41,414	172,406	19,535	139,943	18,430
830704	Insp-Prop Pump Stations (SP)	8,771	20,919	4,144	11,433	3,539
830705	Insp-Donations (SP)	-	-	-	946	-
830802	Gas Monit Calib-Materials (SP)	128,000	-	59,891	-	-
830900	Emergency (SP)	22,690	1,162	11,233	16,979	10,622
830901	Emerg - Hurrican Preparat (SP)	7,970	1,028	3,983	5,360	5,947
830902	Emerg-Hurricane Recovery (SP)	-	(63)	-	840,489	238
830904	Emergency - Run Generator (SP)	30,326	4,054	15,118	4,840	16,315
830906	Emergency - OPP (SP)	757	14,658	369	16,903	-
830907	Assist other Division (SP)	80,839	164,412	40,008	74,497	37,265
850130	Utilities Monitoring (SP)	1,484,600	683,925	725,059	683,436	736,721
850203	Assistance to Other Div (SP)	100	-	50	34,817	50
850209	Maint/Rep-Diesel Eqp/Gens(SP)	100,970	30,553	47,250	144,496	127,769
850213	Maint/Rep-Pump Stations (SP)	153,450	63,405	74,281	178,162	73,766
850220	Maint/Rep-Struct/Grounds (SP)	100	-	47	6	-
850222	Underground Piping/Valves (SP)	1,150	-	538	-	4,783
850226	Telemetry/SCADA (SP)	1,100	-	515	-	1,979
850228	Odor Control (SP)	1,000	-	468	-	471
Sewer Pumping		51,572,657	26,192,616	25,266,286	27,165,626	24,418,027
100059	OM Activity - GL use only (ST)	1,738,000	1,872,998	869,000	1,488,022	883,204
113002	Sewer System Damages (ST)	117,957	77,736	58,731	-	-
210001	Sewer Trmnt & Disposal (ST)	3,001,000	(100,965)	1,404,168	-	1,413,600
212007	Sewer Treat and Disposal (ST)	-	-	-	170,795	171,051
225003	Sewer Treatment Activity (ST)	489,785	392,853	243,670	-	-
226001	Sewer Treatment Activity (ST)	286,033	368,435	142,416	-	-
227001	Sewer Treatment Activity (ST)	1,101,532	436,512	525,882	190,226	696,466
228001	Sewer Treatment Activity (ST)	203,657	113,606	101,305	99,260	98,525
260006	Security Services (ST)	2,200,000	596,904	1,029,380	904,353	1,178,000
350107	Construction Mgmt (ST)	-	-	-	(1,988)	-
520302	Fueling/Recovery Deliv (ST)	8,247	25,898	4,121	38,624	-
520463	Fire Protection System (ST)	-	984	-	4,289	-
520501	Grounds Contract Services (ST)	387,519	163,542	191,456	157,597	169,237
520523	Grounds Installs/Landscp (ST)	5,000	2,486	2,340	6,245	-
520543	Grounds Maint. Services (ST)	1,511,173	622,328	750,198	633,868	807,364
520623	Install Mech/Hvac-Refr Eq (ST)	-	1,709	-	738	-
520663	Maint. of Mech Hvac Equip (ST)	1,173,886	568,265	575,395	703,850	535,964
520873	Misc Projects/Tasks (ST)	-	5,831	-	144	-

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		Actual 2022	Budget 2022	Actual 2021	Budget 2021	
520974	Rentals-Other Divisions (ST)	-	259,937	-	330,799	-
610001	Sewer Treatment Plant (ST)	-	-	-	2,441	-
620001	Sewer Treatment Plant (ST)	2,006,000	864,130	938,607	992	867,008
630102	Hazardous Waste Disposal (ST)	-	-	-	-	-
630119	Sewer Treatment Plant (ST)	287,100	91,974	135,458	41,793	145,035
740001	LabS Treat & Disp Exp (ST)	3,606,589	1,655,666	1,771,759	1,562,485	1,559,918
810003	Sewer Treatment Actv (ST)	600,000	(20,475)	280,740	-	141,360
811017	Telemetry/SCADA (ST)	4,500,505	1,507,363	2,261,704	1,219,215	2,479,295
811018	Main/Rep-Rad/Com Eq (ST)	48,300	20,241	25,262	22,791	31,764
811021	Instl/Rep/Cam/Surv Eq (ST)	212,047	128,144	105,583	105,382	103,759
850001	Admin. & General (ST)	36,965,978	22,917,023	18,303,293	16,669,164	17,256,148
850002	Adm&Gnl-CMMS (ST)	485,197	210,442	239,757	130,839	209,318
850003	Adm&Gnl-Supervision (ST)*	100	-	47	-	35
850004	Adm & Gnl-Permitting (ST)	113,350	5,241	53,036	46,891	26,222
850005	CDL Random Testing (ST)	100	-	50	-	50
850006	Training (ST)	27,934	19,039	13,119	10,198	13,303
850007	Union Activities (ST)	-	-	-	-	47
850103	Emerg Power Generation (ST)	1,180	724	590	15,778	2,988
850104	Odor Control (ST)	6,802,850	3,013,926	3,364,123	2,911,796	3,626,373
850105	Effluent Pumping (ST)	1,000	-	468	-	471
850106	Pumping Stations (ST)	2,018	-	948	-	1,666
850109	Training (ST)	44,518	34,911	22,146	15,482	33,638
850111	Purchased Treatment (ST)	30,300	-	14,177	-	-
850112	Reuse Facility (ST)	1,345	-	639	-	3,616
850114	Sludge Cons & Diges Ops (ST)	1,895	53,981	928	661,808	1,840
850115	Dewatering (ST)	2,975,183	1,648,695	1,465,699	1,631,123	1,359,935
850116	Solids Handling (ST)	9,107,319	4,700,824	4,552,609	4,897,604	4,764,621
850117	Headworks (ST)	100	-	47	-	47
850119	Secondary Clarification (ST)	1,840	13,130	915	43,431	5,423
850120	O2 Generation (ST)	303,010	601,534	143,623	332,406	184,795
850121	Non Emer Power Generation (ST)	245,049	98,459	121,980	99,585	129,948
850122	Final Station (ST)	200	-	94	-	94
850123	Deep Well Injection (ST)	31,100	-	14,552	-	137,166
850124	Tanker Duty (ST)	590	-	295	-	1,176
850125	Biosolids Processing (ST)	350	-	167	-	23,678
850127	Vessel Cleaning (ST)	47,720	173,000	23,829	131,985	41,952
850128	Special Projects (ST)	126,717	31,135	63,273	77,031	16,557
850202	Other Maintenance (ST)	562,310	326,986	264,111	323,348	306,662
850204	Assistance to Other Div (ST)	28,030	8,918	13,956	24,648	15,482
850206	Emerg Actv/Emg Gen-Stby (ST)	204,302	28,740	101,968	263,600	60,309
850208	Maint/Rep-Co-Generation(ST)	802,648	634,681	390,794	613,272	508,182
850210	Maint/Rep-Diesel Eqp/Gens(ST)	2,858,534	1,158,568	1,397,557	1,122,049	1,238,981
850211	Maint/Rep-Plant Equipment (ST)	16,482,866	9,525,872	8,084,634	8,019,850	7,825,472

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850212	Maint/Rep-Instr/Ctrls/Mtrs(ST)	304,120	176,511	142,411	159,646	148,258
850214	Maint/Rep-Pump Stations (ST)	1,900	-	889	-	1,414
850215	Maint/Rep-Radio/Comm (ST)	300	-	140	-	94
850216	Maint/Rep-Cryogenic Plant (ST)	238,138	119,723	118,885	77,725	63,168
850217	Maint/Rep-Sldg Concnt/Digs(ST)	324,081	28,906	161,616	79,594	31,982
850218	Maint/Rep-Sldg Dewatering(ST)	3,454,730	21,879	1,616,918	84,433	22,991
850219	Maint/Rep-Sludge Handling (ST)	14,500	10,205	7,132	10,089	329,886
850221	Maint/Rep-Struct/Grounds (ST)	4,234,252	1,964,601	2,088,603	1,701,327	1,741,270
850223	Underground Piping/Valves (ST)	251,339	64,263	121,427	36,043	223,500
850225	Remedial Action/Spills (ST)	1,100	-	515	-	518
850227	Telemetry/SCADA (ST)	100	27,483	47	5,094	47
850230	Special Projects (ST)	2,992,126	1,582,094	1,471,453	1,922,407	1,231,923
Sewer Treatment and Disposal		113,556,651	58,857,594	55,800,635	49,800,164	52,872,799
Customer Accounting		10,082,700	4,418,867	4,456,834	3,590,675	4,307,491
Customer Service		27,785,127	11,954,545	13,752,297	13,330,697	7,801,350
General and Administration		114,540,982	44,496,146	52,639,267	59,661,569	58,417,899
TOTAL O&M EXPENSES		497,400,775	233,334,522	239,561,481	231,679,100	229,010,957
TOTAL DIRECT O&M WASTEWATER SYSTEM EXPENSES			101,755,727		94,224,189	
			Oct-Mar FY 2022		Oct-Mar FY 2021	

Miami-Dade Water and Sewer Department
Wastewater Capital Expenditures by Project/Sub-Projects
Data for 10/1/21 through 3/31/22

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Grand Total 10/2021 to 3/2022
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	101947	NDWWTP FA MONITORING WELLS TO MEET FDEP REQ.	\$ 189,316.77
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102220	NT-3C - NDWWTP - EDB # 3 (Replacement Electrical Bldg.)(WIFIA 2)	\$ 183,193.94
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102221	NDWWTP Effluent Pump Station and Electrical Annex	\$ 136,251.57
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102205	2.21.02 PS 1 SEAWALL AND HARDENING PROJECT (FEMA)	\$ 256,873.44
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102206	CD2.22.02 - PS 2 BEAUTIFICATION AND HARDENING CITY OF MIAMI (FEMA)	\$ 23,901.81
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102223	CDWWTP - STORM HARDENING OF NEW HYPOCHLORITE BUILDING. MWH PLANS ALREADY AT 90% READY FOR PERMITTING	\$ 9,920.78
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	103024	CT-4 - CDWWTP - New Materials Management Building	\$ 18,514.11
1006	SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III	102102	SDWWTP FA MONITORING WELL REPLACEMENT	\$ 1,472,448.96
1007	SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102184	SDWWTP FOG RECOVERY STATION	\$ 45,003.35
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	101768	WASD SERVICE AREA WEST OF I-75 AND NORTH OF NW 170 ST. (ADM AREA)	\$ 2,653,328.15
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	101924	INSTALLATION OF A REDUNDANT SEWER FM FROM WEST SIDE OF INTERCOASTAL WATERWAY AT NE 163 ST TO NDWWTP	\$ 142,271.52
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	101985	LEHMAN CAUSEWAY	\$ 210,505.41
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102072	NL-1A TO PHASE 1 & 2: 60" FM FROM BISCAYNE BLVD. TO N. MIAMI AVE. Phase 1 & 2	\$ 8,125,528.19

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1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102245	OJUS SANITARY SEWER WITHIN THE OJUS URBAN AREA DISTRICT (DIRECTOR)	\$ 122,838.10
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	103018	REPLACE 18" DIP FM FROM PS 499 NORTH ON ISLAND BLVD TO PS 471	\$ 1,935,602.64
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	103031	Snake Creek Transmission	\$ 176,775.06
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	103032	Aventura Transmission Main	\$ 207,127.61
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	103036	Force Main Replacement from PS0491 to Manhole on 137 at Collins Ave.	\$ 252,774.03
1009	MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS- INCLUDES CONNECT TO PROTECT	102200	BISCAYNE BASIN PROJECTS RELATED TO CL-1	\$ 366,644.71
1009	MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS- INCLUDES CONNECT TO PROTECT	103035	Connect to Protect- Conversion Project 12,000 Homes-Phase 1	\$ 302,591.19
1011	FLOW REDUCTION PROGRAM (FRP)	100050	REHABILITATION OF SEWER MAINS DUE TO I/I - SECTIONAL LINING	\$ 62,400.37
1011	FLOW REDUCTION PROGRAM (FRP)	100890	REHABILITATION OF SEWER MAINS DUE TO I/I - CURED-IN-PLACE LINING	\$ 2,067,835.02
1011	FLOW REDUCTION PROGRAM (FRP)	102800	Rehabilitation of Sewer Mains - Dig and Replace, (Previously called Collection System I/I Repairs)	\$ 307,962.34
1011	FLOW REDUCTION PROGRAM (FRP)	103019	Rehabilitation of Sewer Mains - CIPP for WPO	\$ 6,914.69

Miami-Dade Water and Sewer Department
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Data for 10/1/21 through 3/31/22

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Grand Total 10/2021 to 3/2022
1011	FLOW REDUCTION PROGRAM (FRP)	103020	Rehabilitation of Sewer Mains - Basin 1 - All Technologies	\$ 1,884.19
1011	FLOW REDUCTION PROGRAM (FRP)	103028	Rehabilitation of Sewers Mains - Basin 2 - All Technologies	\$ 2,280.83
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101886	MIAMI GARDENS (CAROL CITY YARD) - MODULAR / STEEL BUILDING	\$ 22,541.86
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	103005	SOUTH MIAMI HEIGHTS TRAILER INSTALLATION AND SITE DEVELOPMENT	\$ 7,648.33
1018	PEAK FLOW MANAGEMENT FACILITIES	101774	Force Main in Doral 36-Inch Diameter Sanitary Sewer FM: in 107 Avenue - from NW 7 St. to NW 25 Street	\$ 3,810,242.74
1019	SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	\$ 2,401,837.06
1019	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	\$ 387,792.23
1021	PUMP STATION GENERATORS AND MISCELLANEOUS UPGRADES	103021	Hardening of 10 Pump Stations (PS 54,112,300,311,348,536,683,1043,1044, 1310) (FEMA)	\$ 326,941.47
1024	WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$ 9,924,250.46
1025	LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS	100623	LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	\$ 1,430,255.51
1027	WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	\$ 6,868.32
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	\$ 1,657,347.00
1027	WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	\$ 1,605,740.40
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$ 9,732,737.34
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	101732	SECURITY PROJECTS	\$ 381,014.87
1040	OCEAN OUTFALL LEGISLATION REGULATORY	101867	CT-2A-1 - HLD Facilities (WIFIA 4)	\$ 155,873.14
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102006	NT-2C - NDWWTP - HLD Facilities (WIFIA 4)	\$ 1,532,133.19
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102007	NE-2 - NDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 25,714,366.30
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102008	NE-1 - NDWWTP - Municipal Injection Well PS (WIFIA 4)	\$ 1,176,805.36
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102009	CE-1 - CDWWTP - Municipal Injection Well PS (WIFIA 4)	\$ 98,493.89
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102010	CE-2 - CDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 13,275,622.42

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1040	OCEAN OUTFALL LEGISLATION REGULATORY	102080	NT-3 - NDWWTP - EDB # 2 (Electrical Bldg. for HLD)(WIFIA 2)	\$ 1,180,031.16
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102096	CDWWTP PUMP STATION FOR CENTRATE WELL (CE-3)	\$ 4,557,032.68
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102138	OWNERS REPRESENTATIVE SERVICES FOR OOL PROGRAM AND WASTEWATER SYSTEM	\$ (4,906,453.79)
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102222	CT-3C-A - CDWWTP - EDB #2 (HLD)(WIFIA 2)	\$ 4,917,318.39
1040	OCEAN OUTFALL LEGISLATION REGULATORY	103007	CT-3B - CDWWTP - O2 Train and Secondary Clarifiers (WIFIA 4)	\$ 15,581.23
1040	OCEAN OUTFALL LEGISLATION REGULATORY	103014	NT-2B- NDWWTP - Site Prep & Stormwater (WIFIA 4)	\$ 357,815.08
1042	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	101967	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	\$ 43,786.02
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102501	SDWWTP - Oxygen Production	\$ 1,161,303.50
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102503	SDWWTP - Chlorine Building	\$ 1,567,916.15
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102504	SDWWTP - Effluent Pump Station	\$ 2,762,745.10
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102506	SDWWTP - Digesters and Control Buildings	\$ 3,050,845.35
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102507	SDWWTP - Dewatering Facility	\$ 28,757,801.03
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102508	SDWWTP - FOG Removal Facility	\$ 23,994.54
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102509	SDWWTP - Odor Control	\$ 3,816,406.79
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102510	SDWWTP - General Electrical	\$ 1,415,079.37
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102511	SDWWTP - Chlorine Contact Chamber Structural	\$ 66,017.20
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102600	CDWWTP - Electrical Improvements	\$ 2,592,319.29

Miami-Dade Water and Sewer Department
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1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102601	CDWWTP - Building improvements	\$ 5,321.92
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102602	Headworks Plant 1	\$ 126,068.96
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102603	CDWWTP - Headworks Plant 2	\$ 8,327.45
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102604	CDWWTP - Oxygenation Trains Plant 1	\$ 27,203.41
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102605	CDWWTP - Oxygenation Trains Plant 2	\$ 346,932.16
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102606	CDWWTP - Secondary Clarifiers Plant 1	\$ 34,582.31
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102607	CDWWTP - Secondary Clarifiers Plant 2	\$ 83,862.81
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102608	CDWWTP - RS Pump Stations Plant 1	\$ 6,629.27
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102609	CDWWTP - RS Pump Stations Plant 2	\$ 1,837,663.08
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102610	CDWWTP - Effluent Pump Station	\$ 887,010.10
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102614	CDWWTP - Digesters Plant 2	\$ 1,584,612.52
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102615	CDWWTP - Dewatering Building	\$ 32,950,791.36
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102616	CDWWTP - Chlorination Facilities	\$ 8,472.45
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102618	CDWWTP - Co-Gen Facility	\$ 550,043.53
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102620	CDWWTP - Pump Station 1	\$ 335,890.79

Miami-Dade Water and Sewer Department
Wastewater Capital Expenditures by Project/Sub-Projects
Data for 10/1/21 through 3/31/22

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Grand Total 10/2021 to 3/2022
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102621	CDWWTP - Pump Station 2	\$ 207,388.45
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102624	CDWWTP -Ventilation Improvements	\$ 4,718.28
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102625	CDWWTP - REHABILITATION OF WALKWAYS AND STAIRWAYS	\$ 26,423.60
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102626	CDWWTP - Oxygen Production	\$ 4,437,119.20
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102628	CONSENT DECREE PROGRAM MANAGEMENT & CONSTRUCTION MANAGEMENT	\$ (6,641,154.57)
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$ 473.86
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102701	NDWWTP - Primary Clarifiers and Odor Control	\$ 3,305,427.86
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102703	NDWWTP - Oxygen Production	\$ 220,271.43
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102704	NDWWTP - Secondary Clarifiers	\$ 4,484,360.85
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102705	NDWWTP - Disinfection	\$ 676,298.97
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102707	NDWWTP - Plant Wide Electrical	\$ 43,723.39
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102808	Replace Approximately 25 miles of AC force mains	\$ 408,539.37
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$ 5,986.25
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102900	DORAL BASIN - UPGRADE SEWAGE PS No. 418	\$ 39,819.92

Miami-Dade Water and Sewer Department
Wastewater Capital Expenditures by Project/Sub-Projects
Data for 10/1/21 through 3/31/22

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Grand Total 10/2021 to 3/2022
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102902	Upgrade of PS#0692	\$ 176,567.79
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102903	Replacement of Switchgear PS#0414	\$ 125,091.98
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102904	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	\$ 77,540.43
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102906	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	\$ 124,606.98
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102908	Replacement of Plumbing and Electrical Equipment at PS#0301	\$ 1,527,693.18
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102911	Replacement of Switchgear at PS#0187	\$ 2,345.48
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$ (41,408.65)
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103000	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY AND FORCE MAINS	\$ 930,976.34
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103001	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP STATIONS	\$ 42,564.87
1048	South District Expansion WW Treatmt. Plant Capaci y	101757	CL-1 - Downtown Transmission FM Extension	\$ 4,877,530.94
1048	South District Expansion WW Treatmt. Plant Capaci y	102055	ST-1B - SDWWTP - Step Feed & Oxygenation Train Rehab(WIFIA 3)	\$ 1,720,847.93
1048	South District Expansion WW Treatmt. Plant Capaci y	102056	ST-2A SDWWTP - Headworks and Oxygenation Train(WIFIA 3)	\$ 30,290,977.67
1048	South District Expansion WW Treatmt. Plant Capaci y	102150	SE-2 - SDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 408,483.75
1048	South District Expansion WW Treatmt. Plant Capaci y	103010	SDWWTP - Clarifiers and HLD (ST-2B)(WIFIA 3)	\$ 728,206.99
1048	South District Expansion WW Treatmt. Plant Capaci y	103011	SDWWTP - Electrical Building (ST-2D-A)(WIFIA 2)	\$ 963,135.49

Miami-Dade Water and Sewer Department
Wastewater Capital Expenditures by Project/Sub-Projects
Data for 10/1/21 through 3/31/22

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Grand Total 10/2021 to 3/2022
1048	South District Expansion WW Treatmt. Plant Capaci	103015	ST- 2E - SDWWTP - RAS Piping(WIFIA 3)	\$ 1,070,917.02
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101454	PUMP STATION IMPROVEMENT PROGRAM	\$ 2,070,107.26
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101816	INSTALLATION OF ODOR CONTROL UNITS AT PUMP STATIONS (VAPE)	\$ 6.73
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101837	REPLACEMENT OF MOTOR CONTROL CENTERS AND SWITCHGEAR AT REGIONAL PUMP STATIONS	\$ 15,216.82
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101840	REPLACEMENT OF ANVIC DRIVES AND SWITCHGEAR AT PS#0536	\$ 623,770.32
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101934	REPLACEMENT OF VARIABLE REQUENCY DRIVES (VFD)	\$ 331,438.59
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102045	P.S. 2 BASIN UPGRADE - PHASE 1 LOCAL	\$ 43,512.60
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102126	RELOCATION OF 20 PUMP STATIONS	\$ 186,638.43
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102160	CONVERSION OF CAN PUMP STATIONS TO SUBMERSIBLE	\$ 543,699.66
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102163	PS NO. 0559 - REPLACEMENT OF MECH & ELECTRICAL EQUIPMENT	\$ 22,140.38
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102192	OUT OF COMPLIANCE PUMP STATIONS	\$ 929,751.49
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102201	PS#0300 - REPLACEMENT OF MECHANICAL & ELECTRICAL EQUIPMENT	\$ 243,275.83
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	103022	Pump Station Upgrades due to Aging Infrastructure	\$ 328,810.73
water Grand Total				\$ 238,685,995.77

Appendix D
Supplemental Environmental Project:
Connection Database

Folio	Address	Owner	Folio Number	Property Type	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes
FOLIO 74	2717 NW 34 ST MIAMI FL 331 42	SITE INVEST LLC	3031270010860	INDUSTRIAL	YES	WAREHOUSE	YES	5119	7/29/2019	P2020032908 – final 6/3/20)					
PHASE 1	3255 NW 38 ST MIAMI FL 33142	DANDY SAND INVESTMENTS LLC	3031210140580	INDUSTRIAL	NO	N/A	YES	5601		C2019113753 - P2019069995					
PHASE 1	3298 NW 38 ST MIAMI FL 33142	3 CS DEVELOPMENT GROUP LLC	3031210140430	INDUSTRIAL	NO	N/A	YES	5602		N/A Total demo C2019101607 - P2020014854	#F2008108198 & #F2018004650				9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9007 THE ELECTRICAL OR MECHANICAL INSTALLATIONS OR SYSTEMS CREATE A HAZARDOUS CONDITION: SEC. 8-5 (b)(2)(v) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
PHASE 1	3251 NW 38 ST MIAMI FL 33142	FELIX SERVELLO	3031210140570	INDUSTRIAL	YES / 6039923200	WAREHOUSE	YES	5603		2018-ALL-1205 / NOSA sent 7.18.18					
PHASE 1	3200 NW 38 ST MIAMI FL 33142	ROGELIO E MULLER	3031210140530	INDUSTRIAL	YES / 2565226322	OFFICE & WAREHOUSE	YES	5604		2018-ALL-1210 / NOSA sent 7.18.18					
PHASE 1	3800 NW 38 ST MIAMI FL 33142	FRANK DE LA OLIVA	3031210140540	INDUSTRIAL	YES / 3165526200	WAREHOUSE	YES	5605		C2019192870 - P2019076186					
PHASE 1	3241 NW 38 ST MIAMI FL 33142	SCANDINAVIAN DEVELOPMENT LLC	3031210140460	INDUSTRIAL	NO	N/A	YES	5606		C2019045141 - P2019026728					
FOLIO 6	3800 NW 35 AVE MIAMI FL 33412	ELEVATOR CONSTRUCTIONS LOCAL 71 HOLDING CO INC	3031210001251	INDUSTRIAL	YES	WAREHOUSE	YES	5872	3/8/2019	C2020013993 – P2020048565		7017 2400 0000 7831 3926	No Date of Signature	3/22/2019	
FOLIO 41	3175 NW 37 ST MIAMI FL 331 42	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210030070	INDUSTRIAL	YES	VEHICLE DEALER	YES	5873	3/8/2020	C2019196856 – P2020001215		7017 2400 0000 7831 3919	3/22/2019	4/9/2019	
FOLIO 3	3705 NW 35TH AVE MIAMI FL 33412	AV 3705 LLC	3031210360550	INDUSTRIAL	YES	STORE	YES	5875	6/6/2019		F2017003536 (Unsafe Structure)	7017 2400 0000 7831 3933	No Date of Signature	3/22/2019	Property was sold and NORC was resent to the current property owner (AV 3705 LLC. Attn: Alba Rodriguez. 9 Palmetto Drive Miami Springs, FL 33166) NORC Sent on 11/13/19 9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 9	3455 NW 37 ST MIAMI FL 33412	HEMBLY O EULER	3031210360551	INDUSTRIAL	YES	VEHICLE REPAIR	YES	5876		C2019188710 – P2019063213		7017 2400 0000 7831 3940	4/1/2019	4/4/2019	
FOLIO 11	3375 NW 37 ST MIAMI FL 33412	FELIPE VISSER JTRS WILLIAN LLOYD JTR	3031210360570	INDUSTRIAL	YES	FACTORY	YES	5877		C2019209631 – P2019078753		7017 2400 0000 7831 3957	Unknown	4/4/2019	
FOLIO 8	3370 NW 37 ST MIAMI FL 33412	ART BY GOD INC	3031210360680	INDUSTRIAL	YES	WAREHOUSE		5878		C2019086261 – P2019032110					
FOLIO 20	3300 NW 37 ST MIAMI FL 33412	ART BY GOD INC	3031210360620	INDUSTRIAL	YES	WAREHOUSE	YES	5879				7017 2400 0000 7831 3964	3/20/2019	4/4/2019	
FOLIO 2	3691 NW 35TH AVE MIAMI FL 33412	PELMENI LLC	3031210360690	INDUSTRIAL	YES	APTS	YES	5880		N/A, bldg. demolished, permit #P2019032875					
FOLIO 55	4001 NW 32 AVE MIAMI FL 33412	BOB W YOUNG & W CAROL	3031210430050	INDUSTRIAL	YES	WAREHOUSE	YES	5881			#G20170183167				Second floor created inside single story building 9006 THERE IS AN UNUSUAL SAGGING OR LEANING OUT OF PLUMB OF THE STRUCTURE OR ANY PARTS OF THE STRUCTURE AND SUCH EFFECT IS CAUSED BY DETERIORATION OR OVER-STRESSING: SEC. 8-5 (b)(2)(iv) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 46	3801 NW 32 AVE MIAMI FL 33412	RICARDO M VISBAL & MARIA ALFONSO	3031210030030	COMMERCIAL	YES	VEHICLE REPAIR	YES	5882	7/24/2019	C2019160563 – P2019061872		7017 2400 0000 7831 8327	5/2/2019	5/7/2019	
FOLIO 44	3190 NW 38 ST MIAMI FL 33412	RICARDO R ORGAZ & W JANET	3031210030060	COMMERCIAL	YES	WAREHOUSE	YES	5883		C2019209260 – P2019081259		7017 2400 0000 7831 3995	4/1/2019	4/4/2019	
FOLIO 43	3701 NW 32 AVE MIAMI FL 33412	3701 NW 32ND AVE LLC	3031210030061	COMMERCIAL	YES	WAREHOUSE	YES	5884	3/21/2020	C2019183844 – P2019066614		7017 2400 0000 7831 4008	Unknown	4/4/2019	
FOLIO 84	3275 NW 36TH ST MIAMI FL 33142	BP 36TH STREET PROPERTY INC	3031210140210	INDUSTRIAL	NO		YES	5885	3/21/2020		F2015000542 (Unsafe Structure)	7017 2400 0000 7831 4015	No Date of Signature	4/4/2019	9010 WORK DONE WITHOUT PERMIT OR WITH EXPIRED PERMIT: SEC. 8-5 (a)(3) AND 8-5 (b)(3)(i) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9015 DANGEROUS TO HUMAN LIFE AND WELFARE: SEC. 8-5 (a)(2) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 34	3200 NW 37 ST MIAMI FL 33412	O REILLY AUTOMOTIVE STORES INC	3031210140290	INDUSTRIAL	YES	WAREHOUSE	YES	5886	3/21/2020	C2019151023 – P2019033962	F2018004644 (Unsafe Structures)	7017 2400 0000 7831 4022	No Date of Signature	4/4/2019	9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9007 THE ELECTRICAL OR MECHANICAL INSTALLATIONS OR SYSTEMS CREATE A HAZARDOUS CONDITION: SEC. 8-5 (b)(2)(v) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9010 WORK DONE WITHOUT PERMIT OR WITH EXPIRED PERMIT: SEC. 8-5 (a)(3) AND 8-5 (b)(3)(i) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 47	3211 NW 37 ST MIAMI FL 33412	NIBERTO L MORENO TRS NIBERTO MORENO TRUST	3031210140330	INDUSTRIAL	YES	STORE	YES	5887	3/21/2020	C2019209278 – P2019081284		7017 2400 0000 7831 4039	3/27/2019	4/4/2019	
FOLIO 45	3235 NW 37 ST MIAMI FL 33412	ROJASFANK CORPORATION	3031210140350	INDUSTRIAL	YES	WAREHOUSE	YES	5888	3/21/2020						
FOLIO 35	3245 NW 37 ST MIAMI FL 33412	MONSTER VENTURES LLC	3031210140360	INDUSTRIAL	YES	WAREHOUSE	YES	5889	3/21/2020	Enforcement (ENF) - Connected, C2021147262 P2021074465		7017 2400 0000 7831 4053	4/1/2019	4/4/2019	
FOLIO 21	3271 NW 37 ST MIAMI FL 33412	38 MIAMI INVESTMENTS LLC	3031210140390	INDUSTRIAL	YES	WAREHOUSE	YES	5890	3/21/2020	ENF - Connected, C2021147276 P2021074464		7017 2400 0000 7831 4060	3/27/2019	4/9/2019	

Folio	Address	Owner	Folio Number	Property Type	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes
FOLIO 23	3820 NW 32 AVE MIAMI FL 33412	LR & EA LLC	3031210140620	INDUSTRIAL	YES	VEHICLE PAINT	YES	5891	7/8/2019	ENF		7017 2400 0000 7831 8129	4/17/2019	5/1/2019	
FOLIO 24	3816 NW 32 AVE MIAMI FL 33412	ELLEND AND EDDY INVEST CORP.	3031210140630	INDUSTRIAL	YES	WAREHOUSE	YES	5892	4/11/2020			7017 2400 0000 7831 8136	4/17/2019	5/1/2019	
FOLIO 29	3812 NW 32 AVE MIAMI FL 33412	MICHAEL C GARDNER	3031210140640	INDUSTRIAL	YES	WAREHOUSE	YES	5893	4/11/2020	C2020102449 P2020055310		7017 2400 0000 7831 8143	No Date of Signature	4/23/2019	
FOLIO 30	3808 NW 32 AVE MIAMI FL 33412	3808 PROP LLC	3031210140650	INDUSTRIAL	NO		YES	5894	4/11/2020	ENF / C021077726	#20200201375	7017 2400 0000 7831 8150	4/17/2019	4/23/2019	105.1 VIOLATIONS(S): Installation of plumbing pump system connected to well, mechanical duct work, and electrical circuit for well pump inside warehouse area and Electrical Service.
FOLIO 39	3900 NW 32 AVE MIAMI FL 33412	FIORELLA PERFUMES CORP	3031210140680	INDUSTRIAL	NO		YES	5895	4/11/2020	ENF	F201111458 (Unsafe Structure)				9010 WORK DONE WITHOUT PERMIT OR WITH EXPIRED PERMIT: SEC. 8-5 (a)(3) AND 8-5 (b)(3)(i) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 40 year Certificated issues 12/30/19
FOLIO 38	3904 NW 32 AVE MIAMI FL 33412	SAMUEL T VIVANO 111 SARA V ROLLEY	3031210140690	INDUSTRIAL	NO		YES	5896	7/24/2019	ENF - Connected, C2021167248 P2021079072		7017 2400 0000 7831 8341	5/6/2019	5/14/2019	
FOLIO 32	3908 NW 32 AVE MIAMI FL 33412	SAMUEL T VIVIANO III SARA V ROLLEY	3031210140700	INDUSTRIAL	NO		YES	5897	4/17/2020	ENF - Connected, C2021171725 P2022004458	#20200201298 & #20200201299	7017 2400 0000 7831 8174	4/25/2019	5/6/2019	Missing ground electrode at electric service. SEVERAL UNFIRED PRESSURE VESSELS (AIR COMPRESSORS) INSTALLED IN WAREHOUSES WITHOUT THE REQUIRED PERMITS
FOLIO 31	3914 NW 32 AVE MIAMI FL 33412	SEDINA 3914 LLC	3031210140710	INDUSTRIAL	YES	WAREHOUSE	YES	5898	4/25/2020	ENF - C2019231320 in process		7017 2400 0000 7831 8334	No Date of Signature	5/6/2019	
FOLIO 26	3916 NW 32 AVE MIAMI FL 33412	MIAMI DADE EXPRESSWAY	3031210140720	INDUSTRIAL	YES	WAREHOUSE	YES	5899	4/17/2020	ENF	F2007107549 (Unsafe Structure)	7017 2400 0000 7831 8181	4/22/2019	5/1/2019	9004 DETERIORATED STRUCTURE OR STRUCTURAL PARTS: SEC. 8-5 (b)(2)(ii) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9007 THE ELECTRICAL OR MECHANICAL INSTALLATIONS OR SYSTEMS CREATE A HAZARDOUS CONDITION: SEC. 8-5 (b)(2)(v) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 25	3920 NW 32 AVE MIAMI FL 33412	MIAMI DADE EXPRESSWAY AUTHORITY	3031210140730	INDUSTRIAL	YES	WAREHOUSE	YES	5900	4/17/2020	ENF	F2007107069 (Unsafe Structure)	7017 2400 0000 7831 8198	4/22/2019	5/1/2019	9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE Last activity 5/27/2010:NCL AND VACATE LETTER NOT MAILED, CASE UNDER ADMINISTRATIVE REVIEW BY M.LEE.
FOLIO 7	3805 NW 35 AVE MIAMI FL 33412	ELEVATOR CONSTRUCTIONS LOCAL 71 HOLDING CO INC	3031210360370	INDUSTRIAL	YES	WAREHOUSE	YES	5901	4/17/2020	C2021050376- P2021052880		7017 2400 0000 7831 8204	4/23/2019	5/1/2019	
FOLIO 13	3429 NW 38 ST MIAMI FL 33412	JOSE LAZARO RODRIGUEZ JNR REVOCABLE LIVING TRUST NIRZA RODRIGUEZ TR	3031210360380	INDUSTRIAL	YES	WAREHOUSE	YES	5902	4/17/2020	C2019168094 - P2020003915		7017 2400 0000 7831 8211	4/29/2019	5/6/2019	
FOLIO 16	3354 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360500	INDUSTRIAL	NO		YES	5903	4/17/2020	ENF - Connected, C2021111076 P2022005523		7017 2400 0000 7831 8288	4/22/2019	5/1/2019	
FOLIO 12	3360 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360510	INDUSTRIAL	NO		YES	5904	4/17/2020	ENF - Connected, C2021111250 P2022001264		7017 2400 0000 7831 8235	4/22/2019	5/1/2019	
FOLIO 5	3430 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360530	INDUSTRIAL	YES	WAREHOUSE	YES	5905	4/17/2020	ENF - Connected, C2021111252 P2021064655		7017 2400 0000 7831 8242	4/22/2019	5/1/2019	
FOLIO 48	3825 NW 32 AVE MIAMI FL 33412	COHEN AIRPORT WAREHOUSES LLC	3031210430042	INDUSTRIAL	NO		YES	5906	4/25/2020	ENF	199952903 (Work w/o permit or failure to maintain)	7017 2400 0000 7831 8358	5/1/2019	5/6/2019	12/22/17/ - TICKET 729181 WAS PAID ON 9/7/2000, NO PERMITS OBTAINED TO DATE TO CORRECT VIOLATIONS. CASE IS IN LIEN DEPARTMENT.
FOLIO 58	3145 NW 38 ST MIAMI FL 33412	MARVIN BOCHNER INC	3031210450030	INDUSTRIAL	YES	WAREHOUSE	YES	5909	4/18/2020	P2020018841 - final 1/6/20					
FOLIO 79	3400 NW 27 AVE MIAMI FL 33142	CAMILO GOMZE DANIEL JARAMILLO GALLO	3031270010640	COMMERCIAL	YES	STORE	YES	5910	4/18/2020	ENF - Connected, C2022053027 P2022031920					
FOLIO 81	2787 NW 34 ST MIAMI FL 33412	LEONARDO GARCIA & SEVERINO D GARCIA	3031270010820	INDUSTRIAL	NO	NO	YES	5911	4/18/2020	ENF - C2021041774 P2021037138 PEND		7017 2400 0000 7831 8273	4/29/2019	5/6/2019	
FOLIO 82	2747 NW 34 ST MIAMI FL 331 42	LEONARDO GARCIA & W ELIZABETH	3031270010840	INDUSTRIAL	YES	WAREHOUSE	YES	5912	4/18/2020	ENF		7017 2400 0000 7831 8280	4/29/2019	5/6/2019	
FOLIO 83	2727 NW 34 ST MIAMI FL 331 42	FLAMES ENTERPRISE INC	3031270010850	INDUSTRIAL	YES	VEHICLE REPAIR	YES	5913	4/18/2020	C2021030165- P2021034518		7017 2400 0000 7831 8297	No Signature	5/7/2019	
FOLIO 75	3455 NW 30 AVE MIAMI FL 33412	2900 NW THIRTY SIXTH STREET LLC	3031280000021	INDUSTRIAL	YES	VEHICLE REPAIR	YES	5914	4/18/2020	Connected - C2019183840 P2019074665		7017 2400 0000 7831 8303	No Date of Signature	5/7/2019	
FOLIO 78	2901 NW 34 ST MIAMI FL 331 42	TUCCI LLC	3031280000031	INDUSTRIAL	YES	WAREHOUSE	YES	5915	4/18/2019	Connected - C2019199329 P2019074444		7017 2400 0000 7831 8310	4/29/2019	5/7/2019	
FOLIO 67	3090 NW 33 ST MIAMI FL 331 43	RICARDO PEREZ	3031280111670	RESIDENTIAL	YES	DUPLEX BOTH	YES	5916	5/30/2020	ENF					
FOLIO 65	3050 NW 33 ST MIAMI FL 33412	LUISA SUMMERS	3031280111642	RESIDENTIAL	YES	RESIDENCE	YES	5917	5/30/2020	ENF					
FOLIO 80	3230 NW 30 AVE MIAMI FL 33412	AIXA SHAMAILEH	3031280111610	RESIDENTIAL	YES	RESIDENCE	YES	5918	5/30/2020	ENF		7017 2400 0000 7831 8419	No Date of Signature	6/20/2019	
FOLIO 63	3068 NW 33 ST MIAMI FL 33412	MARIA E GIL & OGILMA GIL	3031280111651	RESIDENTIAL	YES	RESIDENCE	YES	5919	5/30/2020	ENF		7017 2400 0000 7831 8426	No Date of Signature	6/20/2019	
FOLIO 52	3140 NW 38 ST MIAMI FL 33142	REINA E ACOSTA JESUS H AGOSTA & W ETALS (JRTS)	3031210040050	INDUSTRIAL	YES	RESIDENCE	YES	5920	5/30/2020	ENF		7017 2400 0000 7831 8433	6/19/2019	6/25/2019	
FOLIO 66	3044 NW 33 ST MIAMI FL 33412	EVA RODRIGUEZ	3031280111641	RESIDENTIAL	YES	RESIDENCE	YES	5921	5/30/2020	ENF		7017 2400 0000 7831 8440	No Date of Signature	No RER Stamp of Returned Date	
FOLIO 68	3034 NW 33 ST MIAMI FL 33412	ESTRELLA PEREZ & OSVALDO DOMINGUEZ	3031280111640	RESIDENTIAL	YES	RESIDENCE	YES	5922	5/30/2020	ENF					
FOLIO 57	3165/67 NW 38 ST MIAMI FL 33412	LEROY M BERRY	3031210030010	COMMERCIAL	YES	DUPLEX BOTH	YES	5923	5/30/2020	C2020094155 - P2020042421		7017 2400 0000 7831 8464	No Date of Signature	6/25/2019	

Folio	Address	Owner	Folio Number	Property Type	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes
FOLIO 54	3110 NW 38 ST MIAMI FL 33412	JUNIOR RODRIGUEZ & W ISABEL MEJIA	3031210040070	RESIDENTIAL	YES	RESIDENCE	YES	5924	5/30/2020			7017 2400 0000 7831 8471	No Date of Signature	7/8/2019	
FOLIO 60	3091 NW 33 ST MIAMI FL 33412	PEPPIE HARRIS TANDHASETTI TRS PEPPIE TANDHASETTI REVOCABLE TR	3031280130030	RESIDENTIAL	YES	RESIDENCE	YES	5925	5/30/2020	C2021087144- P2021049498		7017 2400 0000 7831 8488	No Date of Signature	6/26/2019	
FOLIO 62	3074 NW 33 ST MIAMI FL 33412	ADELAIDA GONZALEZ	3031280111660	RESIDENTIAL	YES	RESIDENCE PLUS	YES	5926	5/30/2020	ENF					
FOLIO 56	3185/87 NW 38 ST MIAMI FL 33412	LEROY M BERRY	3031210030020	COMMERCIAL	YES	DUPLEX BOTH	YES	5927	5/30/2020	Connected, building permit #2020046731 - final 5/22/20					
FOLIO 64	3056 NW 33 ST MIAMI FL 33412	WENDY M ROSARIO	3031280111650	RESIDENTIAL	YES	RESIDENCE	YES	5928	6/17/2019	ENF		7017 2400 0000 78316613	No Date of Signature	6/12/2019	
FOLIO 50	3166-70 NW 38 ST MIAMI FL 33142	PRIMO RENTALS 2 LLC	3031210030050	RESIDENTIAL	YES	DUPLEX BOTH	YES	5929	6/16/2020	ENF - Connected, C2021134914 P2021074969		7017 2400 0000 7831 6620	No Date of Signature	7/5/2019	
FOLIO 51	3150-54 NW 38 ST MIAMI FL 33142	YOISI GARCIA	3031210030040	INDUSTRIAL	YES	DUPLEX BOTH	YES	5930	6/17/2020	C2021060366- P2021028487		7017 2400 0000 7831 6637	No Date of Signature	7/26/2019	
FOLIO 69	3032 NW 33 ST MIAMI FL 33412	YUDY LILIANA EUSCATIGUE	3031280111630	RESIDENTIAL	YES	RESIDENCE	YES	5931	6/17/2020	ENF					
FOLIO 53	3130 NW 38 ST MIAMI FL 331 42	ANTONIO LOPEZ & W MARY	3031210040060	INDUSTRIAL	YES	RESIDENCE	YES	5932	6/18/2020	C2021098612- P2021052223		7017 2400 0000 7831 6651	7/5/2019		
FOLIO 17	3352 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360720	INDUSTRIAL	NO		YES	5933	6/18/2020	ENF		7017 2400 0000 7831 6675	6/24/2019	7/8/2019	
FOLIO 70	3030 NW 33 ST MIAMI FL 33412	EDUARDO MARTINEZ - HEIDY E MARTINEZ	3031280111621	RESIDENTIAL	YES	RESIDENCE	YES	5934	6/18/2020	ENF					
FOLIO 10	3435 NW 37 ST MIAMI FL 33412	ROSA LUISA MARTINEZ TRS	3031210360560	INDUSTRIAL	YES	OFFICE	YES	5935	6/18/2020	ENF					
FOLIO 88	3100 NW 38 ST MIAMI FL 331 42	MARVIN BOCHNER INC	3031210040080	INDUSTRIAL	NO										
PHASE 1	3233 NW 38 ST MIAMI FL 33142	SEABASTOPOL INTL INC	3031210140545	INDUSTRIAL	YES	STORE		N/A		C2017032826 - P2017027729					
PHASE 1	3230 NW 38 ST MIAMI FL 33142	MIAMI COMPRESSOR REBUILDERS INC	3031210140510	INDUSTRIAL	YES / 8923917854	VEHICLE REPAIR		N/A		C2017133460 - P2017060040					
PHASE 1	3259 NW 38 ST MIAMI FL 33142	DANDY SAND INVESTMENTS LLC	3031210140590	INDUSTRIAL	YES / 5387181204	WAREHOUSE		N/A		NO BUILDING ON PARCEL - SAME OWNER AS #3255 NW 38 ST					
PHASE 1	3270 NW 38 ST MIAMI FL 33142	3 CS DEVELOPMENT GROUP LLC	3031210140450	INDUSTRIAL	YES / 4908646010	FACTORY		N/A		C2016179164 - P2017019581					
PHASE 1	3250 NW 38 ST MIAMI FL 33142	EBERLE FRANCOIS	3031210140480	INDUSTRIAL	YES / 1545132524	VEHICLE DEALER		N/A		C2018008146 - P2018007245					
FOLIO 1	3519 NW 36 ST MIAMI FL 331 42	DL REAL STATE LLC	0131210380010	COMMERCIAL	YES	VEHICLE REPAIR									
FOLIO 4	3252 NW 36TH ST MIAMI FL 33127	DL REAL ESTATE LLC	3031210001250	INDUSTRIAL	NO										
FOLIO 14	ADDRESS NOT AVAILABLE	MAESTRE CONSTRUCTION INC	3031210630010	INDUSTRIAL	YES	RESIDENCE									
FOLIO 15	3850 NW 35 AVE MIAMI FL 33142	MIAMI- DADE EXPRESSWAY AUTHORITY	3031210001100	INDUSTRIAL	YES	WAREHOUSE									
FOLIO 18	3405 NW 38 ST MIAMI FL 33412	JOSE LAZARO RODRIGUEZ JNR REVOCABLE LIVING TRUST NIRZA RODRIGUEZ TRS	3031210360390	INDUSTRIAL	NO										
FOLIO 19	3333 NW 38 ST MIAMI FL 33412	MIAMI DADE COUNTY MIAMI DADE TRANSIT	3031210440010	INDUSTRIAL	YES	WAREHOUSE									
FOLIO 22	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140250	INDUSTRIAL	NO										
FOLIO 27	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140260	RESIDENTIAL	NO										
FOLIO 28	3244 NW 37 ST MIAMI FL 33412	BP 36TH STREET PROPERTY INC	3031210140270	RESIDENTIAL	NO										
FOLIO 33	3236 NW 37 ST MIAMI FL 33412	O REILLY AUTOMOTIVE STORES INC	3031210140280	INDUSTRIAL	NO										
FOLIO 36	3804 NW 32 AVE MIAMI FL 33412	MAKEN HOLDING LLC	3031210140660	INDUSTRIAL	NO										
FOLIO 37	3802 NW 32 AVE MIAMI FL 33412	MAKEN INVESTMENT GROUP LLC	3031210140670	INDUSTRIAL	YES	WAREHOUSE									
FOLIO 40	ADDRESS NOT AVAILABLE	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210550020	COMMERCIAL	YES	RESIDENCE/DUPLEX									
FOLIO 42	ADDRESS NOT AVAILABLE	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210550030	COMMERCIAL	YES	SERVICE STATION									
FOLIO 49	3945 NW 32 AVE MIAMI FL 33412	COHEN AIRPORT WAREHOUSES LLC	3031210430041	INDUSTRIAL	YES	WAREHOUSE									
FOLIO 59	3800 NW 31 AVE MIAMI FL 33412	MARVIN BOCHNER INC	3031210450020	INDUSTRIAL	YES	WAREHOUSE					F2019005801 (Unsafe Structure)				8-11 (F)(IV)(5) FAILURE OF THE OWNER OF A 40 YEAR OLD BUILDING TO COMPLETE REQUIRED REPAIRS OR MODIFICATIONS
FOLIO 61	ADDRESS NOT AVAILABLE	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130050	RESIDENTIAL	YES	DUPLEX REAR									
FOLIO 71	ADDRESS NOT AVAILABLE	OWNER NAME NOT AVAILABLE	3031280111620	RESIDENTIAL	YES	RESIDENCE									
FOLIO 72	NW 33 ST MIAMI FL 33412	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130120	RESIDENTIAL	YES	RESIDENCE									
FOLIO 73	ADDRESS NOT AVAILABLE	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130110	RESIDENTIAL	YES	RESIDENCE									
FOLIO 76	2950 NW 35 ST MIAMI FL 33412	LZG LLG	3031280000020	INDUSTRIAL	YES	FACTORY									
FOLIO 77	ADDRESS NOT AVAILABLE	AIANY PEREZ	3031270010870	INDUSTRIAL	NO										
FOLIO 85	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140240	INDUSTRIAL	NO										
FOLIO 86	3855 NW 35 AVE MIAMI FL 33142	MIAMI- DADE COUNTY MIAMI- DADE TRANSIT	3031210000901	INDUSTRIAL	YES	POWER PLANT									
FOLIO 87	3295 NW 37 ST MIAMI FL 331 42	3 CS DEVELOPMENT GROUP LLC	3031210140420	INDUSTRIAL	NO										
FOLIO 89	4030 NW 32ND AVE MIAMI FL 33142	MIAMI DADE CO EXPRESSWAY AUTHORITY	3031210140750	INDUSTRIAL	YES	WAREHOUSE									
FOLIO 90	ADDRESS NOT AVAILABLE	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130040	RESIDENTIAL	YES	RESIDENCE									

Color Code: Vacant Land or no property to connect
New connection since last update